TELEPHONES

TELEPHONES.

CHAPTER I.

INTRODUCTION.

General description of the census of telephones.—The census of telephones is taken every fifth year, and thus far three enumerations have been made, covering the years 1902, 1907, and 1912. This report presents detailed statistics for 1912 and comparative figures for the two earlier years. Each census has covered all public telephone systems and lines that were operated during all or any part of the year to which it related. None of the censuses, however, include statistics for private telephone lines used exclusively for communication between different rooms or departments of manufacturing or mercantile establishments, hotels, or private residences; nor do they include statistics for systems operated by Federal, state, or municipal governments for communication between different bureaus or offices. A number of steam and electric railroads operate telephone lines for the conduct of their business, but such lines were omitted from the census of telephones because they were not operated for the accommodation of the general public. Data relating to train dispatching by telephone are included in the section on Telegraphs (p. 163).

The census of telephones is confined to continental United States, and therefore does not include Alaska, Hawaii, Porto Rico, the Philippine Islands, or the Panama Canal Zone.

Statistics of governmental telephones are given in connection with those for governmental telegraphs, in the section on Telegraphs (p. 163).

The reports of the regular decennial censuses of 1880 and 1890 contained statistics for the telephone industry, and the figures for those years are placed in comparison with the data for the last three censuses, although the prevailing conditions and the methods employed differed in many important respects from those pertaining to the censuses of 1902, 1907, and 1912.

The number of telephones and miles of wire are the only statistics concerning the small telephone systems and farmer or rural lines that can be collected with any degree of accuracy. It was necessary, therefore, to establish a line of separation between the companies for which detailed statistics concerning employees, financial transactions, and equipment would be collected and those for which only the number of telephones and miles of wire would be secured. At the census of 1902 an attempt was made to collect complete statistics for all farmer or rural lines that operated switchboards, without regard to size or amount of business. The fact that a switchboard was operated was, however, found to be of but little assistance in establishing the line of separation, and a different policy was adopted at the census of 1907. At that census complete statistics were not secured for the farmer or rural lines operated on a combined mutual and revenue basis if the combined income and assessments for the full census year amounted to less than $1,000, nor for small systems owned by individuals or firms and apparently operated for revenue but having an income of less than $500 for the year.

The experience at the censuses of 1902 and 1907 demonstrated the fact that it was impossible to collect statistics concerning the financial transactions of the small commercial or mutual systems or the rural lines. Some of the small companies keep no books of accounts and their employees do not devote their entire time to the telephone business. In many cases it was difficult to locate any person who had enough familiarity with the line to give even an estimate of the statistics required.

Under these conditions it was determined at the census of 1912 to limit the detailed statistics to companies that had an annual gross income of $5,000 or more. The companies, systems, or lines that had an annual income of less than this amount were required to report only the miles of wire and number of telephones. Therefore the statistics are presented separately for these two classes, but combinations are made when it is necessary to show the total miles of wire and number of telephones for all companies and systems.

The telephone industry is peculiar in that one company, the American Telephone & Telegraph Co., and its associated companies, known as the Bell Telephone System, control such a large proportion of the wire and telephones. The company collected and compiled the statistics for its 176 subsidiary companies, including its long-distance service. It furnished the totals for the United States and separate figures for each state for the miles of wire, telephones, number of public and private-branch exchanges, and number of messages or talks.

The telephone companies or systems that had an annual income of $5,000 or more are well known, and their names and addresses could be easily ascertained.

Many of the smaller systems, however, and especially the farmer or rural lines, have no distinctive names and it was very difficult to locate them. Every source of information was utilized to obtain a complete list for the canvass of 1912. A basis for the canvass was obtained from a list of the systems reporting in 1907, when postmasters in places having a population of less than 5,000 had been requested to furnish lists of all lines in their vicinity. State and county officials were also requested to supply such lists. Lists were also obtained from telephone associations and from directories. Reports of all state offices that collect statistics or other information concerning telephones were consulted. Lists from these various sources of information were prepared on index cards, which were assorted according to localities, and the entire United States was divided into districts. Each district was assigned to one or more agents, who were required to collect reports from all companies, systems, or lines named on the lists that had not made reports to the Bureau of the Census by mail. The agents were also required to make careful inquiry for any companies, systems, or lines not named on the list and to secure reports for them. Each agent was required to make a thorough canvass of his district, and it is believed that the census includes data for all companies, systems, or lines intended to be covered by the inquiry.

Period covered.—The statistics for the companies and systems reporting an annual income of $5,000 and over relate to the year ending December 31, 1912, or the business year of each company most nearly conforming thereto. The number of telephones and miles of wire and the statistics contained in the balance sheet are reported as of the last day of the business year covered by the return of each company. The number of telephones and miles of wire reported by the companies and systems having an income of less than $5,000 relate to December 1, 1912.

The statistics do not represent a full year's operation for every company reported, as many systems were installed, a number abandoned, and many absorbed by, or consolidated with, other companies during the year 1912. Moreover, the rapid advance of the industry necessitates a constant increase in the number of telephones in use, therefore in some cases the number given in the annual report of a company does not agree with the number reported to the census as of December 31, 1912, or the end of the business year to which the report related. These conditions should be considered in comparing census figures with those compiled from other sources.

Unit of enumeration.—The terms "company," "system," and "line" are used to designate the unit for which a separate census report was secured. They are frequently used as synonymous terms. They represent a statistical unit the significance of which varies slightly to meet the requirements of the different methods of bookkeeping of the various companies and the practice of the office in the compilation of the data. As a rule, a distinct ownership marks the separation of the statistical units, and all exchanges and lines operated under the same ownership are counted as one system. Where several lines are combined under one ownership or several properties have been brought under one management by purchase or stock control, they are counted as one system. The associated companies comprising the Bell Telephone System and other large companies which furnished separate reports for their subsidiary companies are, however, counted as separate units. The number of systems in the report, therefore, represents only the number of separate ownerships reporting an annual income of $5,000 or more, without regard to the character of the ownership.

"Company" or "system" is generally applied to the larger units and as a rule represents a number of lines. The term "line" denotes a farmer or rural line for which a separate census report was made, and therefore represents one of the smaller statistical units.

Each independent farmer or rural line, however small, was counted as a separate unit, provided a separate census report was made. In some instances, however, a single census report was made for a number of independent farmer lines that connected at a common exchange. Therefore the 30,317 systems or lines reporting an annual income of less than $5,000 must not be accepted as the total number of independent lines. Since the meaning of the terms "systems" and "lines" is not always the same, the number is no indication of the magnitude of the interests, nor is it in any way a guide as to the number of exchanges. The process of consolidation may have resulted in an actual decrease in the number of companies, but at the same time the number of exchanges, miles of wire, number of telephones, and amount of business transacted may have increased.

Limitations of the statistics.—Data for all systems and lines, large and small combined, are confined to the miles of wire and the number of telephones in use. Statistics of capitalization, income, expenses, number of persons employed, and amount paid in salaries and wages, and other features in addition to miles of wire and number of telephones, were secured only from such companies as showed an annual income of $5,000 or more. In some cases even these companies did not have books from which exact data for all inquiries could be obtained, and it was necessary to secure estimates.

At the censuses of 1902 and 1907 the financial statistics, employees, wages, etc., were shown for the separate states. This presentation required estimates for the segregation of the state figures for companies

that operated in different states. The extent of these estimates was not so great for 1902 as it was for 1907. By 1912, however, such a large proportion of the companies and systems operated in more than one state that it was decided to abandon the state presentation, except for the miles of wire, the number of telephones and exchanges, and the estimated number of messages or talks. The number of messages includes exchange, long-distance, and toll messages, and these are necessarily credited to the state in which the exchange through which the original call was made is located.

A uniform system of accounts, which became effective January 1, 1913, was provided for telephone companies by the Interstate Commerce Commission under the provision of the act of Congress to regulate commerce as amended in 1910, and the statistics for future censuses may be affected thereby.

CHAPTER II.

DEVELOPMENT OF THE INDUSTRY.

Summary for 1912.—Table 1 presents a summary for the telephone industry as a whole for 1912. It shows the miles of wire and number of telephones, messages, and public exchanges, and distinguishes three classes of companies or systems: (1) The Bell Telephone System, which includes all lines operated by the American Telephone & Telegraph Co. and its associated companies; (2) telephone companies other than those included in the Bell System and which reported a gross annual income of $5,000 or more; (3) telephone companies, systems, and lines reporting a gross annual income of less than $5,000. The third group includes all of the small companies, including the independent farmer or rural lines, for which only statistics as to miles of wire and number of telephones were collected.

Table 1	All systems and lines.	Bell Telephone System.	ALL OTHER SYSTEMS.	
			Reporting annual incomes of $5,000 or more.	Reporting annual incomes of less than $5,000.
Miles of wire	[1] 20,248,326	15,133,186	3,886,205	1,228,935
Per cent of total	100.0	74.7	19.2	6.1
Number of telephones	8,729,592	5,087,027	2,239,721	1,402,844
Per cent of total	100.0	58.3	25.6	16.1
Estimated number of messages or talks[2]	13,735,658,245	9,133,226,836	4,602,431,409	(3)
Per cent of total	100.0	66.5	33.5	.....
Number of public exchanges	11,515	5,853	5,662	(3)
Per cent of total	100.0	50.8	49.2	.....

[1] Exclusive of 1,565 miles in Canada.
[2] The number of messages reported by the Bell Telephone System includes only completed calls, while the figures for all other systems may include some original calls not necessarily completed, such as calls to which the operator replies, "Line busy," or "Does not answer."
[3] Not reported.

As previously explained, the statistics do not include data for telephone lines of steam or electric railways operated in connection with the conduct of the roads, for private lines in hotels and manufacturing and other establishments, or for lines operated by Federal, state, or municipal offices. With these exceptions the telephone industry during 1912 operated 20,248,326 miles of wire and 8,729,592 telephones. The companies with an annual income of $5,000 or more estimated that there were 13,735,658,245 messages handled during the year. It was impossible to obtain estimates of the number of messages for the smaller companies, and therefore this total is not a true indication of the extent of the use of the telephone systems of the country. The Bell Telephone System is the dominating factor in this total, as it operated 74.7 per cent of the wire and 58.3 per cent of the telephones. The number of public exchanges is about evenly divided between the Bell System and other companies. The census figures for the Bell System do not agree exactly with those contained in the annual report of the directors of the company, because the former include certain affiliated and controlled companies that were not covered in the annual report.

Comparison with previous censuses.—As already stated, statistics for the telephone industry were collected in connection with the decennial censuses of 1880 and 1890. In compliance with the requirements of the act of Congress approved June 7, 1906, the census of telephones is now taken every fifth year. Substantially the same forms of schedules were used and the same methods followed at the censuses of 1902, 1907, and 1912. The statistics for these three censuses, therefore, are directly comparable, but different methods were followed at the censuses of 1880 and 1890.

At the beginning of the census year 1880 the industry was of little importance, but at the end of that year it represented one of the great interests of the country. The organization of many companies during the year and the rapid growth of systems already established made it impossible to collect statistics that are completely satisfactory. Hence the figures for the census of 1880 represent only approximately the magnitude and condition of the telephone industry at that time.

While the industry had become much more stable by 1890, the conditions under which it was then conducted and the census methods employed at that time were such that the statistics are not strictly comparable with those for subsequent censuses. During the earlier periods the telephone service was confined almost entirely to strictly urban areas, seldom extending beyond the city limits. It now extends to all sections, and in some localities it has developed more rapidly in the rural than in the urban districts.

The remarkable growth of the telephone industry since its establishment in the United States is shown by the statistics of miles of wire, number of telephones, and number of messages or talks given in Table 2.

During the 32 years covered by this table the number of telephones increased from 54,319 to 8,729,592. This was accompanied by a much greater increase in miles of wire—from 34,305 in 1880 to 20,248,326 in 1912.

Table 2

NUMBER OF SYSTEMS, MILES OF WIRE, TELEPHONES, AND MESSAGES—BELL TELEPHONE SYSTEM AND ALL OTHER SYSTEMS: 1880 TO 1912.

	Census.	Number of systems and lines.	Miles of wire.[1]	Number of telephones.	Estimated number of messages or talks.[2]
United States	1912	32,233	20,248,326	8,729,592	13,735,658,245
	1907	22,971	12,999,369	6,118,578	11,372,605,063
	1902	9,136	4,900,451	2,371,044	5,070,554,553
	1890	53	240,412	233,678	453,200,000
	1880	148	34,305	54,319	(3)
Bell Telephone System	1912	176	15,133,186	5,087,027	9,133,226,836
	1907	175	8,947,266	3,132,063	6,401,044,799
	1902	44	3,387,924	1,317,178	3,074,530,060
All other systems	1912	32,157	5,115,140	3,642,565	4,602,431,409
	1907	22,796	4,052,098	2,986,515	3,999,389,159
	1902	9,092	1,512,527	1,053,866	1,996,024,493

[1] Exclusive of 1,565 miles in Canada in 1912, and 5 miles in 1907.
[2] Exclusive of systems reporting annual incomes of less than $5,000 in 1912.
[3] Not reported.

The development of the small farmer or rural lines that are counted as separate systems or lines detracts from the value of the number of systems or lines as a measure of the growth of the industry. Comparatively few of these companies keep a record of the number of messages or talks, and it was impossible to obtain even an estimate of the number of conversations over lines which do not require interconnection at the public or central exchanges. Moreover, no estimates were required concerning the number of messages over the 1,402,844 telephones on the lines of small companies which had incomes of less than $5,000 during 1912. Messages for these smaller systems were included, to some extent, at the census of 1902; therefore the statistics of messages reported for the three years are not strictly comparable. No statistics concerning messages were collected at the census of 1880. The numbers of messages reported at the four censuses from 1890 to 1912, however, furnish an indication of the great increase in telephonic communication.

Separate statistics for the Bell Telephone System were not collected prior to 1902, but since then the miles of wire and number of telephones operated by that system have increased by 346.7 and 286.6 per cent, respectively, as compared with 238.2 and 245.6 per cent for all other systems.

While the statistics for employees, income, expenses, and capital for the censuses of 1880 and 1890 are not strictly comparable with those for later censuses, they are of interest, as they indicate the extent of the industry in the first stages of its development, and therefore are given in Table 3. Percentages of increase are shown only for the censuses from 1902 to 1912, and the statistics for the last two censuses are for the systems that reported an annual income of $5,000 or more. The statistics for 1902 represent the systems classified at that census as commercial or mutual, but they do not include the independent farmer or rural lines that had no regular exchanges or central offices.

COMPARATIVE SUMMARY—TELEPHONE SYSTEMS REPORTING ANNUAL INCOMES OF $5,000 OR MORE FOR 1912 AND 1907, AND ALL TELEPHONE SYSTEMS, 1902, 1890, AND 1880.

Table 3

	1912	1907	1902	1890	1880	PER CENT OF INCREASE.[1] 1902–1912	1907–1912	1902–1907
Number of systems and lines	1,916	1,636	4,151	53	148	—53.8	17.1	—60.6
Miles of wire	19,020,817	11,921,960	4,850,486	240,412	34,305	292.1	59.5	145.8
Number of telephones	7,326,748	4,906,693	2,315,297	233,678	54,319	216.5	49.3	111.9
Number of public exchanges	11,515	10,613	10,361	1,241	437	11.1	8.5	2.4
Estimated number of messages or talks	13,735,658,245	10,400,433,958	5,070,554,553	453,200,000	(2)	170.9	32.1	105.1
Number of employees	183,361	131,670	78,752	8,645	3,338	132.8	39.3	67.2
Income	$255,081,234	$176,700,408	$86,825,536	$16,404,583	[3] $3,098,081	193.8	44.4	103.5
Expenses	$203,754,909	$135,475,177	$65,164,771	$11,143,871	$2,373,703	212.7	50.4	107.9
Capital stock and funded debt	$991,294,115	$758,122,214	$348,031,058	$72,341,736	[4] $14,605,787	67.2	30.8	117.8
Assets	$1,298,599,485	$943,519,301	$466,421,553	(2)	[5] $15,702,135	178.4	37.6	102.3

[1] A minus sign (—) denotes decrease.
[2] Not reported.
[3] For 132 systems; 16 systems did not report this item.
[4] For 72 systems; 76 systems did not report this item.
[5] For 74 systems; 74 systems did not report this item.

The percentages of increase shown for wire mileage and number of telephones for the five-year period 1907–1912 are notable. The miles of wire increased from 11,921,960 in 1907 to 19,020,817 in 1912, or 59.5 per cent. This increase is no doubt due largely to the extension of long-distance and toll lines and the installation of overhead and underground cable, although comparative figures covering these features are not available.

During the same period the number of telephones increased from 4,906,693 to 7,326,748, or 49.3 per cent. The large increase shown for expenses is more apparent than real, being due in a measure to the inclusion in 1912 of depreciation charges, not called for in the schedules for preceding censuses, although included to some extent at those censuses by the large companies as an item of maintenance.

The number of employees continued to increase steadily. Persons engaged in the industry in 1902 numbered 78,752; in 1912 the total had increased to 183,361, or by 132.8 per cent, the gain from 1907 to 1912 being 51,691, or 39.3 per cent.

Telephone and telegraph systems.—The object of both the telephone and telegraph is to furnish quick and satisfactory communication between distant points. The telephone service, however, has developed very

largely in restricted areas where the telegraph could not be used with such great advantage. On the other hand, the telegraph has developed in the extension of communication between points at great distances, in which field the employment of the telephone is not yet practicable. A comparison of the statistics for the two industries as reported at the last three censuses is given in Table 4.

TELEPHONE AND TELEGRAPH SYSTEMS—COMPARATIVE SUMMARY: 1912, 1907, AND 1902.

Table 4	Census.	Total.	Telephones.[1]	Telegraphs.[2]	Per cent of total.	
					Telephones.	Telegraphs.
Number of systems and lines	1912	32,261	32,233	28	99.9	0.1
	1907	22,998	22,971	27	99.9	0.1
	1902	9,161	9,136	25	99.7	0.3
Miles of single wire	1912	22,062,522	20,248,326	[3] 1,814,196	91.8	8.2
	1907	14,577,325	12,999,364	1,577,961	89.2	10.8
	1902	6,218,801	4,900,451	1,318,350	78.8	21.2
Ocean cable, nautical miles	1912	67,676	.....	67,676	.....	100.0
	1907	46,301	.....	46,301	.....	100.0
	1902	(4)	.....	(4)	.....	.....
Employees and salaries and wages: Average number	1912	[5] 220,656	183,361	37,295	83.1	16.9
	1907	172,203	144,169	28,034	83.7	16.3
	1902	106,379	78,752	27,627	74.0	26.0
Salaries and wages	1912	$121,005,535	$96,040,451	$24,964,994	79.4	20.6
	1907	$86,087,376	$68,279,127	$17,808,249	79.3	20.7
	1902	$51,295,294	$36,255,621	$15,039,673	70.7	29.3
Capital stock and bonds outstanding	1912	$1,213,798,950	$991,294,115	$222,504,835	81.7	18.3
	1907	$1,134,909,579	$814,616,004	$220,293,575	79.3	20.7
	1902	$510,977,583	$348,031,058	$162,946,525	68.1	31.9
Income	1912	$319,844,077	$255,081,234	$64,762,843	79.8	20.2
	1907	$236,045,615	$184,461,747	$51,583,868	78.2	21.8
	1902	$127,755,574	$86,825,536	$40,930,038	68.0	32.0
Expenses	1912	$262,133,861	$203,754,909	$58,378,952	77.7	22.3
	1907	$182,681,918	$140,802,305	$41,879,613	77.1	22.9
	1902	$96,112,805	$65,164,771	$30,948,034	67.8	32.2

[1] Includes farmer or rural lines, and in 1907 and 1912 systems reporting annual incomes of less than $5,000; therefore, except for number of systems or lines and miles of wire, figures do not agree with those shown in other tables.
[2] Does not include wireless telegraph systems.
[3] Exclusive of 314,329 miles of wire owned and operated by railway companies.
[4] Not reported.
[5] Number employed September 16, 1912.

At the census of 1880 the telegraph companies reported the operation of 291,213 miles of wire, as compared with 34,305 miles for the telephone companies. By the census of 1902 the amount of wire for the telegraph systems had increased to 1,318,350 miles and that for the telephone systems to 4,900,451 miles. Thus in 1902 the mileage of wire devoted to the transmission of telephone messages was almost four times as great as that used for telegraph purposes.

Both industries developed rapidly between 1902 and 1907, but the telephone wire mileage increased over eight million miles, and by the end of that period the mileage of single wire devoted primarily to telephone business was eight times as great as the mileage used for commercial telegraph business.

Between 1907 and 1912 the telephone systems of the country added 7,097,426 miles of wire, while the telegraph companies increased their wire mileage by 236,235. The increase shown by the telephone systems during the single five-year period is more than four times as great as the total amount of existing wire that has been added by the telegraph industry since the date when the first statistics concerning that industry were gathered.

In the amount of business done in 1912, the amount paid in salaries and wages during the year, and the capital invested, the telephone business was about four times as extensive as the telegraph industry, and during the year it furnished employment for almost five times as many persons.

States and geographic divisions.—Naturally the most extensive equipment and the greatest amount of telephone business are in the states that have the largest population. During recent years there has been a great development in the long-distance lines as well as in the rural service, and this has tended to a wider distribution of the telephone business. About half of the wire mileage and telephones, however, are still found in the Middle Atlantic and the East North Central states. The extent of the industry in the different geographic divisions and states is shown by the statistics of miles of wire, number of telephones and messages, and population for 1912, 1907, and 1902, given in Table 5.

ALL SYSTEMS AND LINES—MILES OF WIRE, NUMBER OF TELEPHONES, ESTIMATED NUMBER OF MESSAGES OR TALKS, POPULATION, AND NUMBER OF TELEPHONES PER 1,000 OF POPULATION, BY GEOGRAPHIC DIVISIONS AND STATES: 1912, 1907, AND 1902.

Table 5

DIVISION AND STATE.	Census.	Miles of wire.	Number of telephones.	Estimated number of messages or talks.[1]	Population.[2]	Telephones per 1,000 of population.
UNITED STATES	1912	20,248,326	8,729,592	13,735,658,245	95,545,336	91
	1907	12,999,364	6,118,578	10,400,433,958	85,532,761	72
	1902	4,900,451	2,371,044	5,070,554,553	78,576,436	30
GEOGRAPHIC DIVISIONS:						
New England	1912	1,545,252	625,488	810,524,037	6,767,513	92
	1907	997,865	410,269	572,523,863	6,111,093	67
	1902	408,337	166,167	298,292,134	5,769,477	29
Middle Atlantic	1912	5,035,019	1,782,145	2,422,868,241	20,179,371	88
	1907	3,056,193	1,252,903	1,947,571,139	17,667,920	71
	1902	1,261,843	483,054	909,887,064	16,008,719	30
East North Central	1912	4,645,218	2,378,257	4,025,906,387	18,757,149	127
	1907	3,308,021	1,712,390	3,067,416,613	17,663,394	97
	1902	1,466,145	740,059	1,733,817,138	16,462,313	45
West North Central	1912	2,932,578	1,621,523	2,238,770,606	11,926,513	136
	1907	2,043,383	1,251,555	1,664,198,498	11,363,251	110
	1902	588,290	399,855	712,440,737	10,624,893	38
South Atlantic	1912	1,121,458	531,402	869,439,943	12,586,562	42
	1907	875,173	365,764	749,939,984	11,574,988	32
	1902	328,022	146,765	353,559,870	10,770,414	14
East South Central	1912	977,694	337,292	662,046,512	8,602,701	39
	1907	714,871	243,234	731,000,908	8,330,783	29
	1902	305,089	112,851	377,950,187	7,768,517	15
West South Central	1912	1,312,553	543,102	1,079,517,948	9,288,200	58
	1907	799,606	342,255	646,501,299	8,037,775	43
	1902	236,884	114,939	303,547,439	6,883,018	17
Mountain	1912	558,450	226,652	435,366,129	2,847,946	80
	1907	364,605	154,061	299,270,686	1,992,696	77
	1902	88,846	48,067	102,374,364	1,763,813	27
Pacific	1912	2,120,104	683,731	1,191,218,442	4,589,381	149
	1907	839,647	386,147	722,010,968	2,790,861	138
	1902	216,995	159,287	278,685,620	2,525,272	63
NEW ENGLAND:						
Maine	1912	141,687	68,914	84,033,152	753,085	92
	1907	94,073	53,134	73,197,982	717,832	74
	1902	25,451	14,070	21,923,915	700,072	20
New Hampshire	1912	75,917	40,017	49,984,600	434,818	92
	1907	49,448	28,920	36,537,513	436,128	66
	1902	18,390	9,949	16,987,012	418,602	24
Vermont	1912	54,756	40,142	48,306,101	358,710	112
	1907	36,419	30,833	35,666,768	351,495	88
	1902	16,379	12,151	19,075,847	345,885	35
Massachusetts	1912	863,426	329,992	401,817,540	3,491,888	94
	1907	534,220	209,383	298,824,440	3,083,013	68
	1902	257,461	96,512	183,115,320	2,917,796	33
Connecticut and Rhode Island	1912	409,466	146,423	226,382,644	1,729,012	85
	1907	283,705	87,999	128,297,160	1,522,625	58
	1902	90,656	33,485	57,190,040	1,387,122	24
MIDDLE ATLANTIC:						
New York	1912	2,790,060	970,449	1,297,849,047	9,526,146	102
	1907	1,630,076	685,512	1,034,651,594	8,386,673	82
	1902	623,625	247,340	360,098,123	7,533,011	33
New Jersey	1912	644,984	185,632	192,311,511	2,683,309	69
	1907	338,608	116,988	138,914,642	2,248,332	52
	1902	136,617	48,980	56,171,223	1,969,821	25
Pennsylvania	1912	1,599,975	626,064	932,707,683	7,969,916	79
	1907	1,087,509	450,403	774,004,903	7,032,915	64
	1902	501,601	186,734	493,617,718	6,505,887	29
EAST NORTH CENTRAL:						
Ohio	1912	1,161,032	631,206	1,301,503,565	4,903,439	129
	1907	986,053	495,636	1,014,222,376	4,497,198	110
	1902	515,892	224,083	558,707,801	4,252,372	53
Indiana	1912	667,839	354,550	583,621,519	2,742,117	129
	1907	530,044	289,452	498,560,085	2,743,305	106
	1902	213,157	136,561	294,657,565	2,581,575	53
Illinois	1912	1,689,074	807,253	1,105,751,431	5,821,305	139
	1907	986,949	558,585	833,749,155	5,518,190	101
	1902	428,304	221,008	541,161,932	5,019,628	44
Michigan	1912	728,184	335,074	694,363,258	2,897,207	116
	1907	494,612	209,842	413,557,846	2,611,790	80
	1902	197,863	95,415	237,695,112	2,480,764	38
Wisconsin	1912	399,089	250,174	340,666,614	2,393,081	105
	1907	310,363	158,875	307,327,151	2,292,911	69
	1902	110,929	62,992	101,594,728	2,127,974	30

[1] Exclusive of farmer or rural lines in 1902 and systems reporting annual incomes of less than $5,000 in 1907 and 1912.
[2] Official estimates of the Bureau of the Census.

ALL SYSTEMS AND LINES—MILES OF WIRE, NUMBER OF TELEPHONES, ESTIMATED NUMBER OF MESSAGES OR TALKS, POPULATION, AND NUMBER OF TELEPHONES PER 1,000 OF POPULATION, BY GEOGRAPHIC DIVISIONS AND STATES: 1912, 1907, AND 1902.

Table 5—Continued. DIVISION AND STATE.	Census.	Miles of wire.	Number of telephones.	Estimated number of messages or talks.[1]	Population.[2]	Telephones per 1,000 of population.
WEST NORTH CENTRAL:						
Minnesota	1912	653,479	272,359	418,720,464	2,148,235	127
	1907	387,758	171,479	274,434,452	2,071,318	83
	1902	137,274	63,192	113,124,262	1,822,106	35
Iowa	1912	504,101	380,294	471,126,059	2,223,189	171
	1907	360,884	332,545	336,184,981	2,201,331	151
	1902	147,586	138,400	193,054,738	2,301,427	60
Missouri	1912	874,334	404,150	655,616,330	3,335,080	121
	1907	640,560	312,527	468,138,352	3,405,901	92
	1902	177,072	103,155	242,309,227	3,187,031	32
North Dakota	1912	76,174	51,241	49,861,643	634,731	81
	1907	61,728	34,087	39,874,764	487,890	70
	1902	9,532	6,762	14,106,733	344,778	20
South Dakota	1912	73,921	65,858	47,881,574	624,658	105
	1907	66,946	48,405	60,548,810	476,631	101
	1902	10,877	10,387	17,919,604	429,808	24
Nebraska	1912	393,319	201,689	291,615,175	1,220,371	165
	1907	257,812	152,279	246,047,837	1,068,849	142
	1902	53,285	36,766	73,227,030	1,087,526	34
Kansas	1912	357,250	245,932	303,949,361	1,740,249	141
	1907	267,695	200,233	238,969,302	1,651,331	121
	1902	52,664	41,193	58,699,143	1,452,217	28
SOUTH ATLANTIC:						
Maryland, Delaware, and District of Columbia	1912	403,655	147,246	177,755,722	1,868,374	79
	1907	312,282	110,282	165,995,216	1,798,652	61
	1902	107,827	36,383	70,981,973	1,693,019	21
Virginia	1912	161,136	76,652	164,421,931	2,107,998	36
	1907	108,588	55,541	115,354,885	1,992,925	28
	1902	46,678	25,762	65,494,626	1,899,440	14
West Virginia	1912	112,954	80,251	103,255,136	1,279,781	63
	1907	99,844	62,144	109,065,223	1,096,006	57
	1902	56,812	22,801	41,605,891	998,004	23
North Carolina	1912	109,110	65,152	90,831,013	2,276,165	29
	1907	83,251	37,104	80,667,891	2,086,912	18
	1902	26,120	17,036	36,485,398	1,948,984	9
South Carolina	1912	73,712	33,239	68,170,380	1,554,554	21
	1907	50,226	20,911	51,558,785	1,472,734	14
	1902	19,445	10,753	23,893,914	1,378,150	8
Georgia	1912	206,591	96,436	206,631,042	2,696,961	36
	1907	187,904	62,260	187,647,940	2,481,617	25
	1902	54,301	25,761	96,192,066	2,298,713	11
Florida	1912	54,300	32,426	58,374,719	802,729	40
	1907	33,078	17,522	39,650,044	646,142	27
	1902	16,839	8,269	18,906,002	554,104	15
EAST SOUTH CENTRAL:						
Kentucky	1912	352,544	130,751	287,807,892	2,321,823	56
	1907	262,691	93,996	276,476,058	2,349,152	40
	1902	155,482	46,949	143,101,564	2,202,804	21
Tennessee	1912	287,685	104,353	188,865,474	2,221,503	47
	1907	202,505	71,130	231,218,675	2,197,785	32
	1902	86,640	36,392	128,274,719	2,070,354	18
Alabama	1912	152,849	56,292	100,983,408	2,207,283	26
	1907	134,337	40,481	102,736,572	2,049,407	20
	1902	32,966	14,170	46,158,943	1,891,755	7
Mississippi	1912	184,616	45,896	84,389,738	1,852,092	25
	1907	115,338	37,627	120,569,603	1,734,439	22
	1902	30,001	15,340	60,414,961	1,603,604	10
WEST SOUTH CENTRAL:						
Arkansas	1912	141,014	68,303	124,445,991	1,633,238	42
	1907	98,932	49,576	71,950,886	1,439,910	34
	1902	24,273	16,928	36,716,883	1,347,934	13
Louisiana	1912	138,905	46,602	101,597,617	1,717,834	27
	1907	101,325	35,692	120,647,366	1,565,752	23
	1902	49,588	17,543	68,083,915	1,434,033	12
Oklahoma	1912	211,175	116,217	163,999,696	1,850,987	63
	1907	104,780	68,125	108,725,669	1,414,177	48
	1902	21,498	15,732	31,667,627	897,748	18
Texas	1912	821,459	311,980	689,474,644	4,086,141	76
	1907	494,569	188,862	345,177,378	3,617,936	52
	1902	141,525	64,736	167,079,014	3,203,303	20

[1] Exclusive of farmer or rural lines in 1902 and systems reporting annual incomes of less than $5,000 in 1907 and 1912.
[2] Official estimates of the Bureau of the Census.

ALL SYSTEMS AND LINES—MILES OF WIRE, NUMBER OF TELEPHONES, ESTIMATED NUMBER OF MESSAGES OR TALKS, POPULATION, AND NUMBER OF TELEPHONES PER 1,000 OF POPULATION, BY GEOGRAPHIC DIVISIONS AND STATES: 1912, 1907, AND 1902.

Table 5—Continued.

DIVISION AND STATE.	Census.	Miles of wire.	Number of telephones.	Estimated number of messages or talks.[1]	Population.[2]	Telephones per 1,000 of population.
MOUNTAIN:						
Montana	1912	54,259	35,537	74,199,468	405,734	88
	1907	28,386	17,168	18,869,410	313,615	55
	1902	8,609	5,451	11,352,976	266,120	20
Idaho	1912	58,205	29,454	45,634,700	362,229	81
	1907	37,364	16,394	24,883,595	213,028	77
	1902	6,366	3,886	6,451,762	176,416	22
Colorado	1912	261,987	90,397	165,041,703	857,016	105
	1907	173,633	65,908	138,203,561	628,216	105
	1902	52,115	24,533	60,258,533	559,715	44
New Mexico	1912	22,492	10,346	20,174,439	356,819	29
	1907	12,506	6,653	12,548,942	219,830	30
	1902	3,366	2,510	4,297,920	202,316	12
Arizona	1912	18,621	11,224	11,573,427	222,563	50
	1907	10,277	6,203	10,379,750	147,214	42
	1902	3,890	3,264	5,072,727	129,869	25
Utah and Wyoming	1912	133,094	44,010	110,244,799	552,867	80
	1907	92,396	37,134	87,596,483	428,458	87
	1902	13,106	7,258	13,531,312	388,046	19
Nevada	1912	9,792	5,684	8,497,593	90,718	62
	1907	10,043	4,601	6,788,945	42,335	110
	1902	1,394	1,165	1,409,134	41,331	28
PACIFIC:						
Washington	1912	487,079	150,016	295,273,362	1,281,508	117
	1907	208,810	98,846	200,184,465	630,712	157
	1902	43,027	31,447	64,623,982	558,055	56
Oregon	1912	272,481	99,713	170,065,267	730,736	136
	1907	87,723	49,629	83,833,537	484,938	102
	1902	29,531	21,190	35,777,238	429,380	49
California	1912	1,360,544	434,002	725,879,813	2,577,137	168
	1907	543,114	237,672	437,992,966	1,675,211	142
	1902	144,437	106,650	178,284,400	1,537,837	69

[1] Exclusive of farmer or rural lines in 1902 and systems reporting annual incomes of less than $5,000 in 1907 and 1912.
[2] Official estimates of the Bureau of the Census.

The percentages of increase in miles of wire, number of telephones, and number of messages or talks for the geographic divisions are given in Table 6, and percentages of distribution in Table 7.

Table 6

ALL SYSTEMS AND LINES—PER CENT OF INCREASE[1] IN MILES OF WIRE, NUMBER OF TELEPHONES, AND ESTIMATED NUMBER OF MESSAGES OR TALKS, BY GEOGRAPHIC DIVISIONS (BASED ON TABLE 5).

DIVISION.	Miles of wire.			Number of telephones.			Estimated number of messages or talks.[2]		
	1902–1912	1907–1912	1902–1907	1902–1912	1907–1912	1902–1907	1902–1912	1907–1912	1902–1907
United States	313.2	55.8	165.3	268.2	42.7	158.1	170.9	32.1	105.1
New England	278.4	54.9	144.4	276.4	52.5	146.9	171.7	41.6	91.9
Middle Atlantic	299.0	64.7	142.2	268.9	42.2	159.4	166.3	24.4	114.0
East North Central	216.8	40.4	125.6	221.4	38.9	131.4	132.2	31.2	76.9
West North Central	398.5	43.5	247.3	305.5	29.6	213.0	214.2	34.5	133.6
South Atlantic	241.9	28.1	166.8	262.1	45.3	149.2	145.9	15.9	112.1
East South Central	220.5	36.8	134.3	198.9	38.7	115.5	75.2	—9.4	93.4
West South Central	454.1	64.1	237.6	372.5	58.7	197.8	255.6	67.0	113.0
Mountain	528.6	53.2	310.4	371.5	47.2	220.5	325.3	45.5	192.3
Pacific	877.0	152.5	286.9	329.2	77.1	142.4	327.4	65.0	159.1

[1] A minus sign (—) denotes decrease.
[2] Exclusive of farmer or rural lines in 1902 and systems reporting annual incomes of less than $5,000 in 1907 and 1912.

Table 7

ALL SYSTEMS AND LINES—PER CENT DISTRIBUTION OF MILES OF WIRE, NUMBER OF TELEPHONES, AND ESTIMATED NUMBER OF MESSAGES OR TALKS, BY GEOGRAPHIC DIVISIONS (BASED ON TABLE 5).

DIVISION.	Miles of wire.			Number of telephones.			Estimated number of messages or talks.[1]		
	1912	1907	1902	1912	1907	1902	1912	1907	1902
United States	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New England	7.6	7.7	8.3	7.2	6.7	7.0	5.9	5.5	5.9
Middle Atlantic	24.9	23.5	25.8	20.4	20.5	20.4	17.6	18.7	17.9
East North Central	22.9	25.4	29.9	27.2	28.0	31.2	29.3	29.5	34.2
West North Central	14.5	15.7	12.0	18.6	20.5	16.9	16.3	16.0	14.0
South Atlantic	5.5	6.7	6.7	6.1	6.0	6.2	6.3	7.2	7.0
East South Central	4.8	5.5	6.2	3.9	4.0	4.8	4.8	7.0	7.5
West South Central	6.5	6.2	4.8	6.2	5.6	4.8	7.9	6.2	6.0
Mountain	2.8	2.8	1.8	2.6	2.5	2.0	3.2	2.9	2.0
Pacific	10.5	6.5	4.4	7.8	6.3	6.7	8.7	6.9	5.5

[1] Exclusive of farmer or rural lines in 1902 and systems reporting annual incomes of less than $5,000 in 1907 and 1912.

There has been a rapid development of telephone service in all sections of the country during the last five years. This growth is particularly noticeable in the Pacific, Middle Atlantic, and West South Central divisions, where the wire mileage increased 152.5 per

cent, 64.7 per cent, and 64.1 per cent, in the order named. While two of these divisions, the Pacific and the West South Central, led in increase in telephones, the Middle Atlantic fell behind the New England division in this respect.

New York, Pennsylvania, Illinois, and Ohio are the four most populous states and contain the greatest amount of telephone equipment. The systems in these states reported 7,240,141 miles of wire and 3,005,972 telephones, these totals forming 35.6 and 34.5 per cent, respectively, of the aggregates for the United States. Table 7 shows that the Middle Atlantic and the East North Central divisions, in which these states are located, contained 47.8 per cent of the wire mileage and 47.6 per cent of the telephones reported for 1912. In 1902 these two divisions contained 55.7 and 51.6 per cent, respectively, of the wire mileage and telephones reported for the United States. The considerable reductions in the proportions are due, of course, to the development of the industry in other sections of the country. During the same period the percentage of wire mileage in the Pacific Coast states increased from 4.4 to 10.5 and of the telephones from 6.7 to 7.8.

Table 6 shows that the percentage increase of the telephone industry was much greater during the five years from 1902 to 1907 than it was from 1907 to 1912; also that as a rule the greatest percentages of increase were in the geographic divisions containing the least population. During the 10 years from 1902 to 1912 the miles of wire in the Pacific Coast states increased by 1,903,109, or 877 per cent, and in the Mountain states by 469,604 miles, or 528.6 per cent. While the percentages of increase were not so great in other divisions, the actual increases were much larger. The percentage of increase in the Middle Atlantic states was 299, but there was an actual increase of 3,873,176 miles, and in the East North Central division there was an increase of 3,279,073 miles, or 216.8 per cent.

DIAGRAM 1.—ALL SYSTEMS AND LINES—NUMBER OF TELEPHONES AND MILES OF WIRE, BY GEOGRAPHIC DIVISIONS, RANKED ACCORDING TO MILES OF WIRE: 1912, 1907, AND 1902.

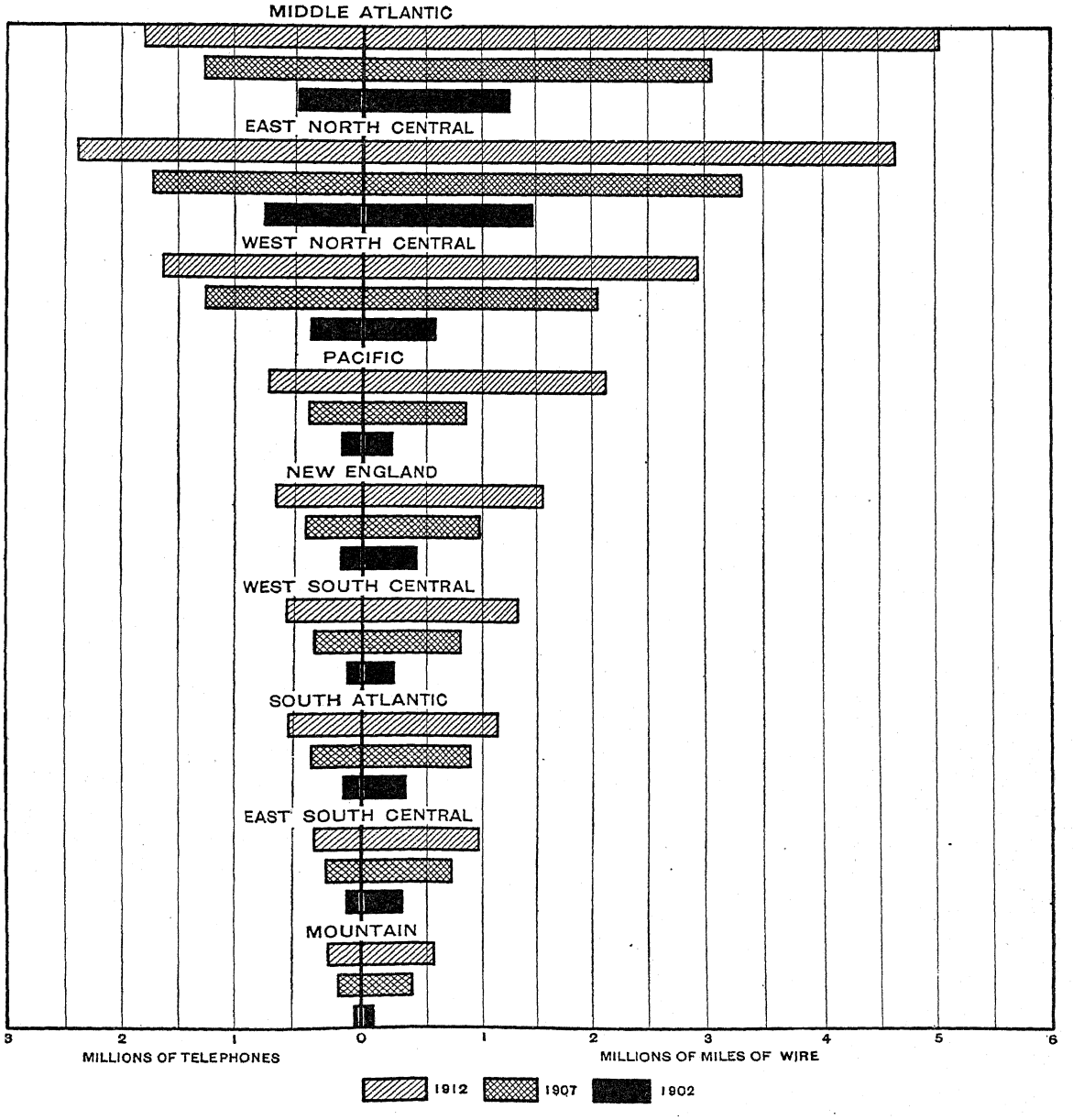
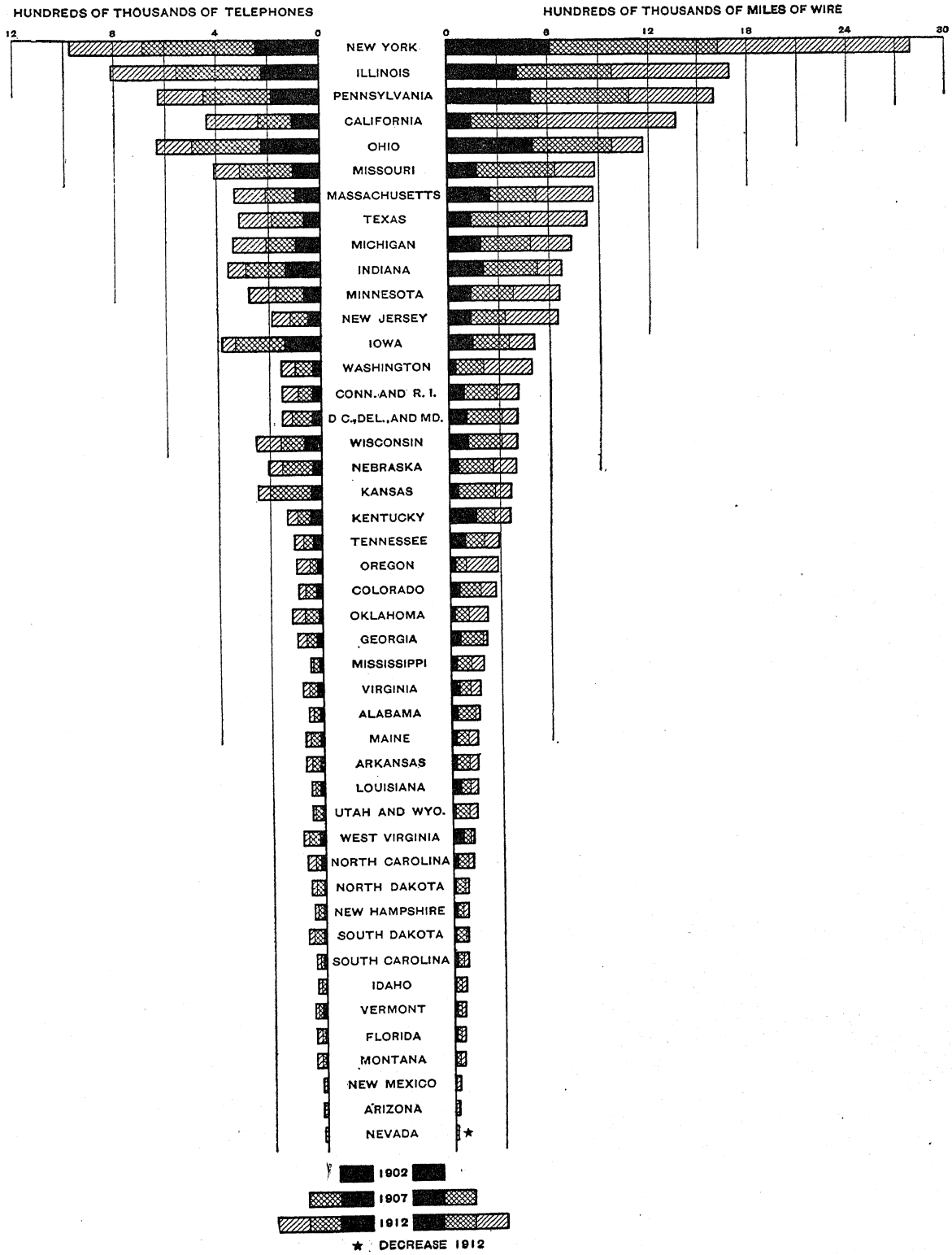
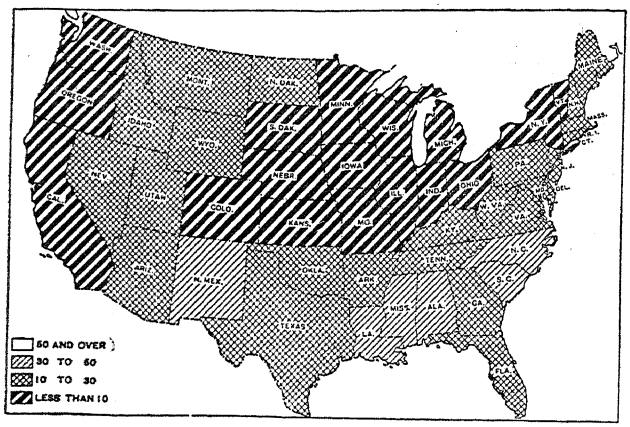


DIAGRAM 2.—ALL SYSTEMS AND LINES—NUMBER OF TELEPHONES AND MILES OF WIRE, BY STATES, RANKED ACCORDING TO MILES OF WIRE: 1912, 1907, AND 1902.

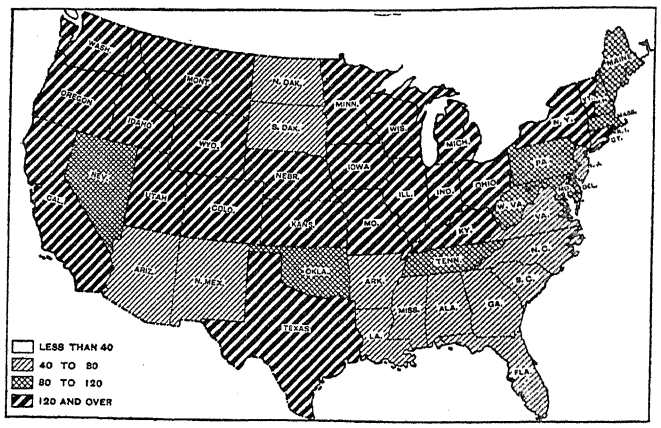


MAPS SHOWING AVERAGE POPULATION PER TELEPHONE AND AVERAGE NUMBER OF MESSAGES PER CAPITA: 1912, 1907, AND 1902.

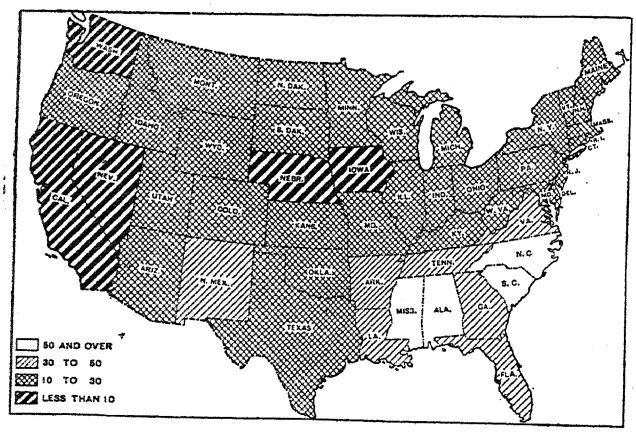
AVERAGE POPULATION PER TELEPHONE: 1912.



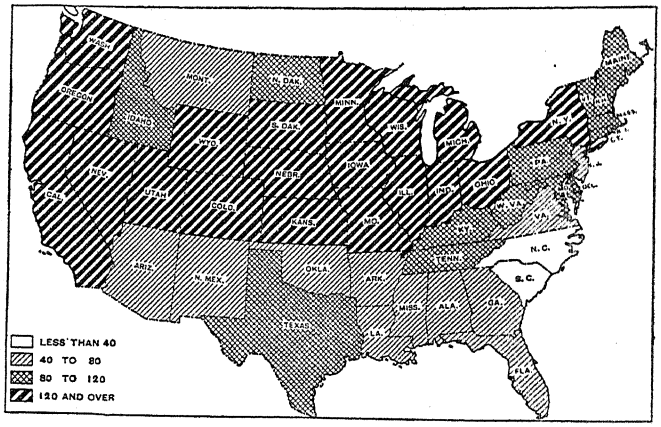
AVERAGE NUMBER OF MESSAGES PER CAPITA: 1912.



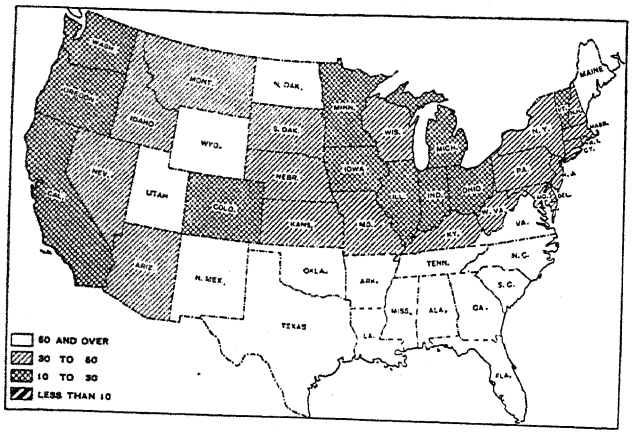
AVERAGE POPULATION PER TELEPHONE: 1907.



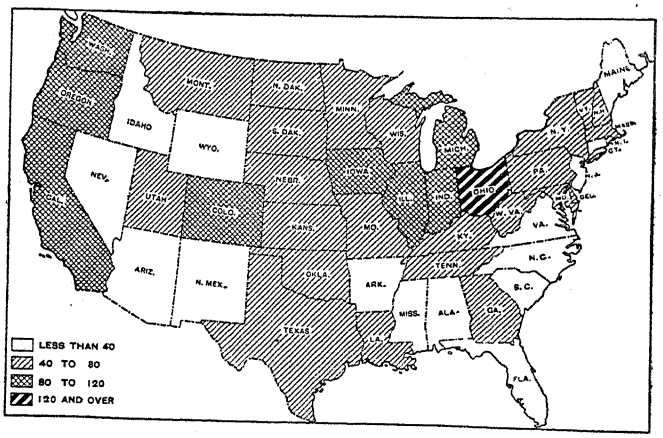
AVERAGE NUMBER OF MESSAGES PER CAPITA: 1907.



AVERAGE POPULATION PER TELEPHONE: 1902.



AVERAGE NUMBER OF MESSAGES PER CAPITA: 1902.



CHAPTER III.

EQUIPMENT AND TRAFFIC.

Nature of equipment.—The miles of wire and pole line, number of telephones, and number of exchanges are the only features of telephone equipment for which statistics were collected at the census of 1912. Statistics as to other classes of equipment, such as the number and capacity of switchboards, number of drops or jacks, number and capacity of engines and dynamos, batteries, miles of duct, number and cost of poles purchased, etc., were collected at prior censuses. In order to simplify the schedule these features were abandoned at the census of 1912.

Miles of wire.—The wire and line construction includes the electrical conductors which connect the substations with the central offices, and the poles for their support. No data were secured as to the length of cables, underground subways, or conduits, although the number of miles of single wire therein was reported.

In the early development of the wire plant, telephone companies, following the practice established by telegraph companies, used iron wire supported on wooden poles. The number of wires and poles required by the rapid development of telephony, however, soon became a menace and a nuisance, especially in cities, and the old system is being rapidly abandoned. The wires are now in many cases inclosed in cables, which to a large extent are laid in underground conduits. In fact, practically all of the wire underground, as well as a large proportion of that overhead, is now carried in cables. This method of carrying a number of wires to some central or convenient point for distribution is very general in the urban districts.

The inquiry of 1912 called for the miles of single wire on exchange and toll circuits, overhead and underground, respectively. The statistics are summarized in Table 8.

Table 8 — ALL SYSTEMS AND LINES—MILES OF SINGLE WIRE, EXCHANGE AND TOLL CIRCUITS, CLASSIFIED AS OVERHEAD AND UNDERGROUND: 1912.

	Total.	On exchange circuits.	On toll circuits.
Total	20,248,326	17,565,110	2,683,216
Overhead	11,083,338	[1] 8,876,594	2,206,744
Underground	9,164,988	8,688,516	476,472

[1] Includes 1,228,935 miles of wire operated by systems reporting annual incomes of less than $5,000.

The 20,248,326 miles of wire is the quantity of single wire that was in operation or that was ready for operation at the end of the census year. If several wires were on one line of poles or in one conduit or cable, the length of each wire was included in the total as a separate item. A number of companies, as well as the smaller systems and farmer lines, reported that they had no record of the miles of wire. In such cases it was necessary to secure estimates. These estimates were checked with the actual miles of wire per telephone reported by other companies, and when it appeared necessary the reports were returned for revision.

Of the total wire (20,248,326 miles) reported for 1912, there were 2,683,216 miles, or 13.3 per cent, on the long-distance or toll circuits, and 17,565,110, or 86.7 per cent, on the local or exchange circuits.

The increase in the percentage of wire underground and the corresponding decrease in the proportion of overhead construction are shown by the totals and percentages given in Table 9.

Table 9 — ALL SYSTEMS AND LINES—MILES OF WIRE: 1912, 1907, AND 1902.

CENSUS.	Total.	Overhead.[1]	Underground.	Per cent of total. Overhead.	Per cent of total. Underground.
1912	20,248,326	11,083,338	9,164,988	54.7	45.3
1907	12,999,364	[2] 8,009,332	4,990,032	61.6	38.4
1902	4,900,451	3,200,409	1,700,042	65.3	34.7

[1] Includes all wire reported by systems having annual incomes of less than $5,000 in 1912, and all wire reported by farmer or rural lines in 1907 and 1902.
[2] Exclusive of 5 miles in Canada.

The percentage of aerial wire decreased from 65.3 in 1902 to 54.7 in 1912, while during the same period the percentage of underground wire increased from 34.7 to 45.3.

There were 671,686 miles of pole line reported at the census of 1912, 553,752 in 1907, and 421,828 in 1902. The average miles of wire per mile of pole line was therefore 16.5 in 1912, 14.5 in 1907, and 7.6 in 1902.

Companies operating in two or more states contended that it would be a hardship to require them to furnish a segregation of the miles of aerial and underground wire, the miles of pole line, or the miles of wire on exchange or toll circuits for each state; therefore no statistics on these subjects are given for individual states or cities.

Table 10 shows, for each state, for 1912, 1907, and 1902, the miles of wire, the number of telephones, and the per cent of increase in each item. The states are ranked according to the miles of wire in 1912, and their ranking is also shown for each year on this basis and on the basis of number of telephones.

ALL SYSTEMS AND LINES—MILES OF WIRE AND NUMBER OF TELEPHONES, BY STATES, RANKED ACCORDING TO MILES OF WIRE IN 1912, WITH PER CENT OF INCREASE: 1912, 1907, AND 1902.

Table 10

STATE.	Census.	WIRE.		TELEPHONES.		PER CENT OF INCREASE.[1]		
		Miles.	Rank.	Number.	Rank.	Period.	Miles of wire.	Number of telephones.
Total	1912	20,248,326	.....	8,729,592	.....	1902–1912	313.2	268.2
	1907	12,999,364	.....	6,118,578	.....	1907–1912	55.8	42.7
	1902	4,900,451	.....	2,371,044	.....	1902–1907	165.3	158.1
New York	1912	2,790,060	1	970,449	1	1902–1912	347.4	292.4
	1907	1,630,076	1	685,512	1	1907–1912	71.2	41.6
	1902	623,625	1	247,340	1	1902–1907	161.4	177.2
Illinois	1912	1,689,074	2	807,253	2	1902–1912	294.4	265.3
	1907	986,949	3	558,585	2	1907–1912	71.1	44.5
	1902	428,304	4	221,008	3	1902–1907	130.4	152.7
Pennsylvania	1912	1,599,975	3	626,064	4	1902–1912	219.0	235.3
	1907	1,087,509	2	450,403	4	1907–1912	47.1	39.0
	1902	501,601	3	186,734	4	1902–1907	116.8	141.2
California	1912	1,360,544	4	434,002	5	1902–1912	842.0	306.9
	1907	543,114	6	236,672	8	1907–1912	150.5	83.4
	1902	144,437	11	106,650	7	1902–1907	276.0	121.9
Ohio	1912	1,161,032	5	631,206	3	1902–1912	125.1	181.7
	1907	986,053	4	495,636	3	1907–1912	17.7	27.4
	1902	515,892	2	224,083	2	1902–1907	91.1	121.2
Missouri	1912	874,334	6	404,150	6	1902–1912	393.8	291.8
	1907	640,560	5	312,527	6	1907–1912	36.5	29.3
	1902	177,072	8	103,155	8	1902–1907	261.8	203.0
Massachusetts	1912	863,426	7	329,992	10	1902–1912	235.4	241.9
	1907	534,220	7	209,383	10	1907–1912	61.6	57.6
	1902	257,461	5	96,512	9	1902–1907	107.5	117.0
Texas	1912	821,459	8	311,980	11	1902–1912	480.4	381.9
	1907	494,569	10	188,862	12	1907–1912	66.1	65.2
	1902	141,525	12	64,736	11	1902–1907	249.5	191.7
Michigan	1912	728,184	9	335,074	9	1902–1912	268.0	251.2
	1907	494,612	9	209,842	9	1907–1912	47.2	59.7
	1902	197,863	7	95,415	10	1902–1907	150.0	119.9
Indiana	1912	667,839	10	354,550	8	1902–1912	213.3	159.6
	1907	530,044	8	289,452	7	1907–1912	26.0	22.5
	1902	213,157	6	136,561	6	1902–1907	148.7	112.0
Minnesota	1912	653,479	11	272,359	12	1902–1912	376.0	331.0
	1907	387,758	11	171,479	13	1907–1912	68.5	58.0
	1902	137,274	13	63,192	12	1902–1907	182.5	171.4
New Jersey	1912	644,984	12	185,632	16	1902–1912	372.1	279.0
	1907	338,608	13	116,988	16	1907–1912	90.5	58.7
	1902	136,617	14	48,980	14	1902–1907	147.9	138.8
Iowa	1912	504,101	13	380,294	7	1902–1912	241.6	174.8
	1907	360,884	12	332,545	5	1907–1912	39.7	14.4
	1902	147,586	10	138,400	5	1902–1907	144.5	140.3
Washington	1912	487,079	14	150,016	17	1902–1912	1,032.0	377.0
	1907	208,810	20	98,846	18	1907–1912	133.3	51.8
	1902	43,027	26	31,447	21	1902–1907	385.3	214.3
Connecticut and Rhode Island	1912	409,466	15	146,423	19	1902–1912	351.7	337.3
	1907	283,705	16	87,999	20	1907–1912	44.3	66.4
	1902	90,656	17	33,485	20	1902–1907	212.9	162.8
Maryland, Delaware, and District of Columbia	1912	403,655	16	147,246	18	1902–1912	274.4	304.7
	1907	312,282	14	110,282	17	1907–1912	29.3	33.5
	1902	107,827	16	36,383	19	1902–1907	189.6	203.1
Wisconsin	1912	399,089	17	250,174	13	1902–1912	259.8	297.2
	1907	310,363	15	158,875	14	1907–1912	28.6	57.5
	1902	110,929	15	62,992	13	1902–1907	179.8	152.2
Nebraska	1912	393,319	18	201,689	15	1902–1912	638.1	448.6
	1907	257,812	19	152,279	15	1907–1912	52.6	32.4
	1902	53,285	21	36,766	17	1902–1907	383.8	314.2
Kansas	1912	357,250	19	245,932	14	1902–1912	578.4	497.0
	1907	267,695	17	200,233	11	1907–1912	33.5	22.8
	1902	52,664	22	41,193	16	1902–1907	408.3	386.1
Kentucky	1912	352,544	20	130,751	20	1902–1912	126.7	178.5
	1907	262,691	18	93,996	19	1907–1912	34.2	39.1
	1902	155,482	9	46,949	15	1902–1907	69.0	100.2
Tennessee	1912	287,685	21	104,353	22	1902–1912	232.0	186.7
	1907	202,505	20	71,130	21	1907–1912	42.1	46.7
	1902	86,640	18	36,392	18	1902–1907	133.7	95.5
Oregon	1912	272,481	22	99,713	23	1902–1912	822.7	370.6
	1907	87,723	33	49,629	28	1907–1912	210.6	100.9
	1902	29,531	29	21,190	26	1902–1907	197.1	134.2

[1] A minus sign (—) denotes decr ease.

ALL SYSTEMS AND LINES—MILES OF WIRE AND NUMBER OF TELEPHONES, BY STATES, RANKED ACCORDING TO MILES OF WIRE IN 1912, WITH PER CENT OF INCREASE: 1912, 1907, AND 1902—Continued.

Table 10—Continued.

STATE.	Census.	WIRE.		TELEPHONES.		PER CENT OF INCREASE.[1]		
		Miles.	Rank.	Number.	Rank.	Period.	Miles of wire.	Number of telephones.
Colorado	1912	261,987	23	90,397	25	1902–1912	402.7	268.5
	1907	173,633	23	65,908	23	1907–1912	50.9	37.2
	1902	52,115	23	24,533	24	1902–1907	233.2	168.6
Oklahoma	1912	211,175	24	116,217	21	1902–1912	882.3	638.7
	1907	104,780	27	68,125	22	1907–1912	101.5	70.6
	1902	21,498	32	15,732	30	1902–1907	387.4	333.0
Georgia	1912	206,591	25	96,436	24	1902–1912	280.5	274.3
	1907	187,904	22	62,260	24	1907–1912	9.9	54.9
	1902	54,301	20	25,761	23	1902–1907	246.0	141.7
Mississippi	1912	184,616	26	45,896	35	1902–1912	515.4	199.2
	1907	115,338	25	37,627	32	1907–1912	60.1	22.0
	1902	30,001	28	15,340	31	1902–1907	284.4	145.3
Virginia	1912	161,136	27	76,652	27	1902–1912	245.2	197.5
	1907	108,588	26	55,541	26	1907–1912	48.4	38.0
	1902	46,678	25	25,762	22	1902–1907	132.6	115.6
Alabama	1912	152,849	28	56,292	32	1902–1912	363.7	297.3
	1907	134,337	24	40,481	31	1907–1912	13.8	39.1
	1902	32,966	27	14,170	32	1902–1907	307.5	185.7
Maine	1912	141,687	29	68,914	28	1902–1912	907.0	389.8
	1907	94,073	31	53,134	27	1907–1912	50.6	29.7
	1902	14,070	37	14,070	33	1902–1907	568.6	277.6
Arkansas	1912	141,014	30	68,303	29	1902–1912	481.0	303.5
	1907	98,932	30	49,576	29	1907–1912	42.5	37.8
	1902	24,273	31	16,928	29	1902–1907	307.6	192.9
Louisiana	1912	138,905	31	46,602	34	1902–1912	180.1	165.6
	1907	101,325	28	35,692	35	1907–1912	37.1	30.6
	1902	49,588	24	17,543	27	1902–1907	104.3	103.5
Utah and Wyoming	1912	133,094	32	44,010	36	1902–1912	915.5	506.4
	1907	92,396	32	37,134	33	1907–1912	44.0	18.5
	1902	13,106	38	7,258	39	1902–1907	605.0	411.6
West Virginia	1912	112,954	33	80,251	26	1902–1912	98.8	252.0
	1907	99,844	29	62,144	25	1907–1912	13.1	29.1
	1902	56,812	19	22,801	25	1902–1907	75.7	172.5
North Carolina	1912	109,110	34	65,152	31	1902–1912	317.7	282.4
	1907	83,251	34	37,104	34	1907–1912	31.1	75.6
	1902	26,120	30	17,036	28	1902–1907	218.7	117.8
North Dakota	1912	76,174	35	51,241	33	1902–1912	699.1	657.8
	1907	61,728	36	34,287	36	1907–1912	23.4	49.4
	1902	9,532	40	6,762	40	1902–1907	547.6	407.1
New Hampshire	1912	75,917	36	40,017	38	1902–1912	312.8	302.2
	1907	49,448	38	28,920	38	1907–1912	53.5	38.4
	1902	18,390	34	9,949	37	1902–1907	168.9	190.7
South Dakota	1912	73,921	37	65,858	30	1902–1912	579.6	534.0
	1907	66,946	35	48,405	30	1907–1912	10.4	36.1
	1902	10,877	39	10,387	36	1902–1907	515.5	366.0
South Carolina	1912	73,712	38	33,239	40	1902–1912	279.1	209.1
	1907	50,226	37	20,911	39	1907–1912	46.8	59.0
	1902	19,445	33	10,753	35	1902–1907	158.3	94.5
Idaho	1912	58,205	39	29,454	42	1902–1912	814.3	658.0
	1907	37,364	39	16,394	42	1907–1912	55.8	79.7
	1902	6,366	42	3,886	42	1902–1907	486.9	321.9
Vermont	1912	54,756	40	40,142	37	1902–1912	234.3	230.4
	1907	36,419	40	30,833	37	1907–1912	50.4	30.2
	1902	16,379	36	12,151	34	1902–1907	122.4	153.7
Florida	1912	54,300	41	32,426	41	1902–1912	222.5	292.1
	1907	33,078	41	17,522	40	1907–1912	64.2	85.1
	1902	16,839	35	8,269	38	1902–1907	96.4	111.9
Montana	1912	54,259	42	35,537	39	1902–1912	530.3	551.9
	1907	28,386	42	17,168	41	1907–1912	91.1	107.0
	1902	8,609	41	5,451	41	1902–1907	229.7	215.0
New Mexico	1912	22,492	43	10,346	44	1902–1912	568.2	312.2
	1907	12,506	43	6,653	43	1907–1912	79.8	55.5
	1902	3,366	44	2,510	44	1902–1907	271.5	165.1
Arizona	1912	18,621	44	11,224	43	1902–1912	378.7	243.9
	1907	10,277	44	6,203	44	1907–1912	81.2	80.9
	1902	3,890	43	3,264	43	1902–1907	164.2	90.0
Nevada	1912	9,792	45	5,684	45	1902–1912	602.4	387.9
	1907	10,043	45	4,601	45	1907–1912	−2.5	23.5
	1902	1,394	45	1,165	45	1902–1907	620.4	294.9

[1] A minus sign (−) denotes decrease.

New York, Illinois, and Pennsylvania are the three leading states in population and in the telephone industry, while California, which ranks twelfth in population, holds fourth place in the miles of telephone wire. Missouri ranks seventh in population, but stands sixth in telephone wire mileage, outranking Massachusetts. which stands sixth in population.

The large area to be covered in some states, such as California, Missouri, and Texas, naturally tends to raise the ranking of those states in wire mileage, while they would not hold such high ranks in the number of telephones. There are only six states that have the same rank in wire mileage and number of telephones, although there are a number in which the variation is but slight. The most notable exception is shown for Mississippi, which ranks twenty-sixth in miles of wire and thirty-fifth in number of telephones. This is due to the installation during 1912 of several new systems, with a large amount of underground circuit, which had not completed the installation of telephones at the close of the census year.

The wire mileage in each of the nine geographic divisions is given in Table 11, which also shows the percentage of increase and the proportion of wire in each division.

Table 11

ALL SYSTEMS AND LINES—MILES OF WIRE, BY GEOGRAPHIC DIVISIONS, WITH PER CENT OF INCREASE AND PER CENT DISTRIBUTION.

DIVISION.	Miles of wire.			Per cent of increase.			Per cent of total.		
	1912	1907	1902	1902–1912	1907–1912	1902–1907	1912	1907	1902
United States	20,248,326	12,999,364	4,900,451	313.2	55.8	165.3	100.0	100.0	100.0
New England	1,545,252	997,865	408,337	278.4	54.9	144.4	7.6	7.7	8.3
Middle Atlantic	5,035,019	3,056,193	1,261,843	299.0	64.7	142.2	24.9	23.5	25.8
East North Central	4,645,218	3,308,021	1,466,145	216.8	40.4	125.6	22.9	25.4	29.9
West North Central	2,932,578	2,043,383	588,290	398.5	43.5	247.3	14.5	15.7	12.0
South Atlantic	1,121,458	875,173	328,022	241.9	28.1	166.8	5.5	6.7	6.7
East South Central	977,694	714,871	305,089	220.5	36.8	134.3	4.8	5.5	6.2
West South Central	1,312,553	799,606	236,884	454.1	64.1	237.6	6.5	6.2	4.8
Mountain	558,450	364,605	88,846	528.6	53.2	310.4	2.8	2.8	1.8
Pacific	2,120,104	839,647	216,995	877.0	152.5	286.9	10.5	6.5	4.4

The East North Central division had the largest proportion of wire in 1902 and 1907, while in 1912 the Middle Atlantic division was slightly in the lead. At each census the Mountain states had the lowest percentage of the total for the United States as a whole, while the proportions in the East and West South Central divisions, the South Atlantic, and New England were of minor importance. Almost one-half of the total wire was reported from the Middle Atlantic and East North Central divisions at all three censuses. The rapid extension of telephone service in the Pacific division increased the proportion of wire in those states from 4.4 per cent of the total in 1902 to 10.5 per cent in 1912.

The companies with an annual income of $5,000 or over that operated in two or more states furnished separate totals for the wire and telephones in each state. The figures for each state in Table 5 (p. 15) represent the wire operated by the companies located within its borders, and therefore include wire actually in adjoining states.

Table 12 shows the wire mileage and number of telephones in each state, excluding that outside of the state in which the reporting company was located and including that in the state but operated by companies with offices in adjoining states. This table, therefore, shows the true wire mileage and number of stations in each state.

This table shows that in some instances a considerable proportion of the equipment is located in states other than those in which the main offices of the company are situated. The state of Missouri is the most pronounced example of this condition. The companies in this state operated 56,799 miles of wire and 14,778 telephones in adjoining states. This equipment is located principally in Illinois, and serves the traffic controlled from the St. Louis offices of the telephone companies. The companies having their principal offices in Oregon reported that 24,657 miles of their wire was located in adjoining states, principally in Washington. Next to Missouri, Iowa shows the largest number of telephones, 3,398, located in adjoining states, principally in Nebraska, the systems of Council Bluffs, Iowa, and Omaha, Nebr., requiring an interchange of telephone instruments. Following Iowa in the number of telephones reported outside of state are New York, Kentucky, Minnesota, and Washington.

ALL SYSTEMS AND LINES—MILES OF WIRE AND NUMBER OF TELEPHONES, BY STATES, WITH WIRE AND TELEPHONES OWNED OUTSIDE OF STATE BY COMPANY REPORTING, AND WITHIN THE STATE BY OUTSIDE COMPANIES: 1912.

Table 12

STATE.	MILES OF WIRE.				NUMBER OF TELEPHONES.			
	Net total in state.	Reported by companies in state.	Outside of state owned by reporting companies.	Inside of state owned by outside companies.	Net total in state.	Reported by companies in state.	Outside of state owned by reporting companies.	Inside of state owned by outside companies.
United States	20,248,326	20,248,326	123,163	123,163	8,729,592	8,729,592	40,004	40,004
Alabama	153,125	152,849	22	298	56,555	56,292	13	276
Arizona	18,621	18,621	.....	.....	11,224	11,224	.....	.....
Arkansas	141,513	141,014	126	625	68,521	68,303	327	545
California	1,360,383	1,360,544	461	300	433,990	434,002	12	.....
Colorado	261,987	261,987	.....	.....	90,397	90,397	.....	.....
Connecticut	306,446	306,560	114	.....	104,633	104,759	126	.....
Delaware	48,632	48,632	.....	.....	15,842	15,842	.....	.....
District of Columbia	126,279	126,279	.....	.....	46,603	46,603	.....	.....
Florida	54,300	54,300	15	15	32,434	32,426	2	10
Georgia	206,475	206,591	123	7	96,275	96,436	164	3
Idaho	61,827	58,205	.....	3,622	31,816	29,454	.....	2,362
Illinois	1,726,752	1,689,074	232	37,910	815,436	807,253	275	8,458
Indiana	675,575	667,839	834	8,570	356,615	354,550	1,193	3,258
Iowa	495,704	504,101	8,826	429	377,311	380,294	3,398	415
Kansas	376,185	357,250	212	19,147	252,758	245,932	128	6,954
Kentucky	345,666	352,544	8,370	1,492	128,820	130,751	2,891	960
Louisiana	138,905	138,905	.....	.....	46,602	46,602	.....	.....
Maine	141,687	141,687	.....	.....	68,914	68,914	.....	.....
Maryland	229,960	228,744	.....	1,216	85,346	84,801	.....	545
Massachusetts	863,446	863,426	.....	20	330,007	329,992	.....	15
Michigan	728,450	728,184	175	441	335,208	335,074	224	358
Minnesota	650,839	653,479	4,030	1,390	270,661	272,359	2,487	789
Mississippi	184,670	184,616	166	220	45,886	45,896	110	100
Missouri	818,175	874,334	56,799	640	389,940	404,150	14,778	568
Montana	54,695	54,259	44	480	35,817	35,537	20	300
Nebraska	395,432	393,319	392	2,505	201,308	201,689	386	5
Nevada	9,953	9,792	300	461	5,696	5,684	.....	12
New Hampshire	75,968	75,917	.....	51	40,068	40,017	.....	51
New Jersey	644,991	644,984	75	82	185,641	185,632	50	59
New Mexico	22,442	22,492	50	.....	10,331	10,346	15	.....
New York	2,789,118	2,790,060	1,325	383	967,965	970,449	3,032	548
North Carolina	109,006	109,110	104	.....	65,116	65,152	36	.....
North Dakota	79,612	76,174	1,012	4,450	53,247	51,241	615	2,621
Ohio	1,161,420	1,161,032	718	1,106	631,872	631,206	625	1,291
Oklahoma	211,287	211,175	170	282	116,525	116,217	132	440
Oregon	247,825	272,481	24,657	1	99,680	99,713	35	2
Pennsylvania	1,597,549	1,599,975	3,711	1,285	626,817	626,064	2,255	3,008
Rhode Island	102,906	102,906	.....	.....	41,664	41,664	.....	.....
South Carolina	73,732	73,712	.....	20	33,269	33,239	.....	30
South Dakota	77,249	73,921	2,521	5,849	67,299	65,858	1,229	2,670
Tennessee	285,041	287,685	2,682	38	102,420	104,353	1,941	8
Texas	821,054	821,459	500	95	311,582	311,980	467	69
Utah	112,726	112,726	.....	.....	34,064	34,064	.....	.....
Vermont	54,700	54,756	56	.....	40,090	40,142	52	.....
Virginia	163,706	161,136	.....	2,570	78,532	76,652	.....	1,880
Washington	508,113	487,079	3,623	24,657	147,687	150,016	2,364	35
West Virginia	113,716	112,954	600	1,362	80,578	80,251	485	812
Wisconsin	399,923	399,089	118	952	250,475	250,174	137	438
Wyoming	20,560	20,368	.....	192	10,055	9,946	.....	109

Number of telephones.— The term "telephone" as used in this report refers to the complete instrument or set, consisting of a transmitter and receiver. The report covers all telephones wired for service December 31, 1912, that were connected through exchanges or switchboards, and those on farmer or rural lines, whether they were or were not connected with exchanges. It does not cover those used exclusively within hotels or mercantile or other commercial or private buildings, unless they were connected with outside or public exchanges.

The number of telephones is generally accepted as the most satisfactory unit of measurement to determine the importance of the industry. The number wired for service is almost invariably a matter of record or is so well known that it can be readily furnished.

At the census of 1880 there were 54,319 telephones reported. By 1912 the number had increased to 8,729,592. In addition, there are a considerable number of telephones on the wires of railway companies and in mercantile, manufacturing, and other establishments that are not included in the census. The total shown, therefore, is somewhat less than the actual number wired for use. The total number of telephones is shown for each state and geographic division in Table 5, and the rank of each state in this respect in Table 10.

There were 15 states for each of which more than 200,000 telephones were reported in 1912. There were 6,555,168 telephones in these states, or 75.1 per cent of the total for the United States. Table 13 shows the number of telephones reported for each of these states at the censuses of 1912, 1907, and 1902; also the percentage of increase and the percentage that the number for each state forms of the total for the United States.

Table 13

ALL SYSTEMS AND LINES—NUMBER OF TELEPHONES IN STATES HAVING OVER 200,000 TELEPHONES IN 1912, WITH PER CENT OF INCREASE AND PER CENT DISTRIBUTION.

STATE.	1912	1907	1902	Per cent of increase. 1902–1912	1907–1912	1902–1907	Per cent distribution. 1912	1907	1902
United States	8,729,592	6,118,578	2,371,044	268.2	42.7	158.1	100.0	100.0	100.0
New York	970,449	685,512	247,340	292.4	41.6	177.2	11.1	11.2	10.4
Illinois	807,253	558,585	221,008	265.3	44.5	152.7	9.2	9.1	9.3
Ohio	631,206	495,636	224,083	181.7	27.4	121.2	7.2	8.1	9.4
Pennsylvania	626,064	450,403	186,734	235.3	39.0	141.2	7.2	7.4	7.9
California	434,002	237,672	106,650	306.9	82.6	122.9	5.0	3.9	4.5
Missouri	404,150	312,527	103,155	291.8	29.3	203.0	4.6	5.1	4.4
Iowa	380,294	332,545	138,400	174.8	14.4	140.3	4.4	5.4	5.8
Indiana	354,550	289,452	136,561	159,6	22.5	112.0	4.1	4.7	5.8
Michigan	335,074	209,842	95,415	251.2	59.7	119.9	3.8	3.4	4.0
Massachusetts	329,992	209,383	96,512	192.5	57.6	117.0	3.8	3.4	4.1
Texas	311,980	188,862	64,736	381.9	65.2	191.7	3.6	3.1	2.7
Minnesota	272,359	171,479	63,192	331.0	58.8	171.4	3.1	2.8	2.7
Wisconsin	250,174	158,875	62,992	297.2	57.5	152.2	2.9	2.6	2.7
Kansas	245,932	200,233	41,193	497.0	22.8	386.1	2.8	3.3	1.7
Nebraska	201,689	152,279	36,766	448.6	32.4	314.2	2.3	2.5	1.6
All other	2,174,424	1,465,293	546,307	298.0	48.4	168.2	24.9	23.9	23.0

During the decade covered by this table the greatest increase in the total number of telephones was in the five years ending with 1907. There was an increase during this period of 3,747,534, or 158.1 per cent, as compared with 2,611,014, or 42.7 per cent, from 1907 to 1912. During the decade there was an increase of 6,358,548, or 268.2 per cent. New York state contains more than 11 per cent of the telephones in the country, and Illinois 9.2 per cent. With slight variations the proportion of telephones in each of these principal states has been about the same at each of the three censuses.

Table 14 shows the number of telephones for each geographic division, together with the percentages of increase and the percentage that the total for each division forms of the total for the United States.

Table 14

ALL SYSTEMS AND LINES—NUMBER OF TELEPHONES, BY GEOGRAPHIC DIVISIONS, WITH PER CENT OF INCREASE AND PER CENT DISTRIBUTION.

DIVISION.	Number of telephones. 1912	1907	1902	Per cent of increase. 1902–1912	1907–1912	1902–1907	Per cent distribution. 1912	1907	1902
United States	8,729,592	6,118,578	2,371,044	268.2	42.7	158.1	100.0	100.0	100.0
New England	625,488	410,269	166,167	276.4	52.5	146.9	7.2	6.7	7.0
Middle Atlantic	1,782,145	1,252,903	483,054	268.9	42.2	159.4	20.4	20.5	20.4
East North Central	2,378,257	1,712,390	740,059	221.4	38.9	131.4	27.2	28.0	31.2
West North Central	1,621,523	1,251,555	399,855	305.5	29.6	213.0	18.6	20.5	16.9
South Atlantic	531,402	365,764	146,765	262.1	45.3	149.2	6.1	6.0	6.2
East South Central	337,292	243,234	112,851	198.9	38.7	115.5	3.9	4.0	4.8
West South Central	543,102	342,255	114,939	372.5	58.7	197.8	6.2	5.6	4.8
Mountain	226,652	154,061	48,067	371.5	47.1	220.5	2.6	2.5	2.0
Pacific	683,731	386,147	159,287	329.2	77.1	142.4	7.8	6.3	6.7

The Middle Atlantic and East North Central divisions reported the largest percentages of the number of telephones, their combined proportion being 47.6 per cent of the total for the United States. There was a slight decrease in the proportions for these two divisions and also for the West North Central and the East South Central divisions from 1907 to 1912, accompanied by a corresponding increase in all other divisions.

The comparison of the number of telephones with the population is the most satisfactory comparison that can be made to show the development which telephone traffic has reached. It is necessary to use the total population in making this comparison, although this includes many persons too young to use the telephone, as well as those who live in remote districts to which there are no immediate prospects of service being extended.

The average number of telephones per 1,000 of population in each state, and the rank of the states in this respect, are shown in Table 15 for 1912, 1907, and 1902.

The number of telephones installed has increased much more rapidly than the population, the average number per 1,000 of population rising from 30 in 1902 to 91 in 1912.

Twenty states reported more telephones according to population in 1912 than the average for the United States, Iowa leading, with 171, followed by California and Nebraska, with 168 and 165, respectively. South Carolina had the smallest number, 21, although this was an increase over 14 in 1907 and 8 in 1902.

Washington, which ranked first in 1907, with 157, had only 117 in 1912 and dropped to tenth place. Although the increase in telephones in this state was 55.1 per cent, the gain in population, estimated, was 103.2 per cent; therefore the ratio was less than that at the previous census.

Table 15 — ALL SYSTEMS AND LINES—NUMBER OF TELEPHONES PER 1,000 OF POPULATION AND RANK OF STATES IN THIS RESPECT.

STATE.	Telephones per 1,000 of population.[1]			Rank.		
	1912	1907	1902	1912	1907	1902
United States	91	72	30	.....	.....	.....
Iowa	171	151	60	1	2	2
California	168	142	69	2	3	1
Nebraska	165	142	34	3	3	9
Kansas	141	121	*28*	4	4	14
Illinois	139	101	44	5	10	6
Oregon	136	102	49	6	9	5
Indiana	129	106	53	7	7	4
Ohio	129	110	53	7	5	4
Minnesota	127	83	35	8	14	8
Missouri	121	92	32	9	11	11
Washington	117	157	56	10	1	3
Michigan	116	80	38	11	16	7
Vermont	112	88	35	12	12	8
Colorado	105	105	44	13	8	6
South Dakota	105	102	*24*	13	9	16
Wisconsin	105	*69*	30	13	20	12
New York	102	82	33	14	15	10
Massachusetts	94	*68*	33	15	21	10
New Hampshire	92	*66*	*24*	16	22	16
Maine	92	74	*20*	16	18	20
Montana	*88*	*55*	*20*	17	27	20
Connecticut and Rhode Island	*85*	*58*	*24*	18	25	16
Idaho	*81*	77	*22*	19	17	18
North Dakota	*81*	*70*	*20*	19	19	20
Utah and Wyoming	*80*	*87*	*19*	20	13	21
Maryland, Delaware, and District of Columbia	*79*	*61*	*21*	21	24	19
Pennsylvania	*79*	*64*	*29*	21	23	13
Texas	*76*	*52*	*20*	22	28	20
New Jersey	*69*	*52*	*25*	23	28	15
Oklahoma	*63*	*48*	*18*	24	29	22
West Virginia	*63*	*57*	*23*	24	26	17
Nevada	*62*	109	*28*	25	6	14
Kentucky	*56*	*40*	*21*	26	31	19
Arizona	*50*	*42*	*25*	27	30	15
Tennessee	*47*	*32*	*18*	28	33	22
Arkansas	*42*	*34*	*13*	29	32	25
Florida	*40*	*27*	*15*	30	36	23
Georgia	*36*	*25*	*11*	31	37	27
Virginia	*36*	*28*	*14*	31	35	24
New Mexico	*29*	*30*	*12*	32	34	26
North Carolina	*29*	*18*	*9*	32	41	29
Louisiana	*27*	*20*	*12*	33	40	26
Alabama	*26*	*20*	*7*	34	40	31
Mississippi	*25*	*22*	*10*	35	39	28
South Carolina	*21*	*14*	*8*	36	42	30

[1] Italics indicate averages less than that for the United States as a whole.

As shown by Table 16, there is a considerable variation in the number of telephones per 1,000 of population in the different geographic divisions.

The Pacific division reported the greatest number of telephones per 1,000 of population at each of the three censuses, having 149 in 1912, 138 in 1907, and 63 in 1902. The East South Central division reported the smallest, 39 in 1912, 29 in 1907, and 15 in 1902.

The increase in the number of telephones for each 1,000 of population in the United States as a whole for the period 1907–1912 was only 26.4 per cent, compared with 133.3 per cent for the preceding period and 203.3 per cent for the decade. The percentages of increase from 1907 to 1912 were fairly uniform, except in the case of the Mountain and Pacific divisions, in which the increases were only 3.9 and 8 per cent, respectively. The percentages of increase in other divisions ranged from 23.6 for the West North Central to 37.3 for New England. The extremely low rates of increase in the Mountain and Pacific divisions for this latter five-year period are accounted for by their rapid increase in population.

Table 16 — ALL SYSTEMS AND LINES—TELEPHONES PER 1,000 OF POPULATION AND PER CENT OF INCREASE, BY GEOGRAPHIC DIVISIONS.

DIVISION.	1912	1907	1902	Per cent of increase.		
				1902–1912	1907–1912	1902–1907
United States	91	72	30	203.3	26.4	140.0
New England	92	67	29	217.2	37.3	131.0
Middle Atlantic	88	71	30	193.3	23.9	136.7
East North Central	127	97	45	182.2	30.9	115.6
West North Central	136	110	38	257.9	23.6	189.5
South Atlantic	42	32	14	200.0	31.3	128.6
East South Central	39	29	15	160.0	34.5	93.3
West South Central	58	43	17	241.2	34.9	152.9
Mountain	80	77	27	196.3	3.9	185.2
Pacific	149	138	63	136.5	8.0	119.0

Rural telephones.—There is no clear line of demarcation between urban and rural telephone systems. The statistics for the systems which had their principal offices in places with a population of 4,000 or more were given for the censuses of 1902 and 1907 as representing the urban districts, all other systems and lines being classed as rural. This classification, however, was unsatisfactory because many of the systems that had their principal offices in places of 4,000 inhabitants or more extended their lines into the surrounding rural districts. By 1912 these extensions into the rural districts had become so great that it was believed the classification, if adopted, would be misleading. It was also found impracticable to obtain separate statistics for different cities from companies that operated in two or more places of 4,000 population or over.

At prior censuses the larger telephone companies reported separately the number of telephones on their rural lines. This was combined with the number reported by mutual systems and farmer or rural lines, the total being accepted as representing the rural telephones. The extension of the industry, however, was so rapid during the period from 1907 to 1912 that a classification of this character was practically impossible at the last census.

The only practicable segregation apparent was one based on the size of the companies or systems. Of the 32,261 telephone systems and lines for which statistics are included in the present report, there were 30,317 that reported an annual income of less than $5,000, and no statistics other than the miles of wire and number of telephones were collected for them.

These statistics for the two classes of companies, (A) those with an annual income of $5,000 and over, and

(B) those with an income of less than that amount, for 1907 and 1912, are given for each geographic division in Table 17.

Systems having an annual income of $5,000 or more controlled larger proportions of both the miles of wire and the number of telephones in 1912 than in 1907, operating 93.9 per cent of the wire and 83.9 per cent of the telephones in 1912, as compared with 91.7 per cent of the wire and 80.2 per cent of the telephones in 1907. The same conditions existed in all geographic divisions with the exception of the East South Central, where the wire used by the smaller systems and lines increased from 7.5 per cent to 8.3 per cent of the total and the telephones from 18.9 per cent to 22.5 per cent, and the South Atlantic and Mountain divisions, in which the proportions of telephones installed by the larger companies showed a slight decrease. The wire mileage of systems reporting an annual income of less than $5,000 formed only 6.1 per cent of the total for all systems, and the telephones operated by them 16.1 per cent. Therefore, while the operations of these small systems assume considerable proportions, they form a comparatively small part of the telephone business of the country.

Table 17 — ALL SYSTEMS AND LINES—MILES OF WIRE AND NUMBER OF TELEPHONES, BY CLASS OF COMPANIES: 1912 AND 1907

Division.	Census.	Total.		Miles of wire.		Number of telephones.		Per cent of total.			
								Miles of wire.		Number of telephones.	
		Miles of wire.	Number of telephones.	Class A. Income $5,000 or more.	Class B. Income less than $5,000.	Class A. Income $5,000 or more.	Class B. Income less than $5,000.	Class A.	Class B.	Class A.	Class B.
United States	1912	20,248,326	8,729,592	19,019,391	1,228,935	7,326,748	1,402,844	93.9	6.1	83.9	16.1
	1907	12,999,364	6,118,578	11,921,960	1,077,404	4,906,693	1,211,885	91.7	8.3	80.2	19.8
New England	1912	1,545,252	625,488	1,523,273	21,979	600,207	25,281	98.6	1.4	96.0	4.0
	1907	997,865	410,269	973,915	23,950	384,413	25,856	97.6	2.4	93.7	6.3
Middle Atlantic	1912	5,035,019	1,782,145	4,949,078	85,941	1,675,681	106,464	98.3	1.7	94.0	6.0
	1907	3,056,193	1,252,903	2,985,774	70,419	1,167,667	85,236	97.6	2.4	93.2	6.8
East North Central	1912	4,645,218	2,378,257	4,353,416	291,802	2,020,802	357,455	93.7	6.3	85.0	5.0
	1907	3,308,021	1,712,390	3,011,164	296,857	1,360,544	351,846	91.0	9.0	79.5	20.5
West North Central	1912	2,932,578	1,621,523	2,530,833	401,745	1,109,359	512,164	86.3	13.7	68.4	31.6
	1907	2,043,383	1,251,555	1,664,769	378,614	767,050	484,505	81.5	18.5	61.3	38.7
South Atlantic	1912	1,121,458	531,402	1,016,144	105,314	428,311	103,091	90.6	9.4	80.6	19.4
	1907	875,173	365,764	790,932	84,241	296,271	69,493	90.4	9.6	81.0	19.0
East South Central	1912	977,694	337,292	896,912	80,782	261,294	75,998	91.7	8.3	77.5	22.5
	1907	714,871	243,234	661,470	53,401	197,291	45,943	92.5	7.5	81.1	18.9
West South Central	1912	1,312,553	543,102	1,152,823	159,730	387,022	156,080	87.8	12.2	71.3	28.7
	1907	799,606	342,255	692,602	107,004	239,746	102,509	86.6	13.4	70.0	30.0
Mountain	1912	558,450	226,652	525,976	32,474	204,508	22,144	94.2	5.8	90.2	9.8
	1907	364,605	154,061	342,413	22,192	141,339	12,722	93.9	6.1	91.7	8.3
Pacific	1912	2,120,104	683,731	2,070,936	49,168	639,564	44,167	97.7	2.3	93.5	6.5
	1907	839,647	386,147	798,921	40,726	352,372	33,775	95.1	4.9	91.3	8.7

The group of companies with incomes of less than $5,000 is composed largely of the small farmer and rural lines, but also includes the systems that are located in the smaller cities and towns. It represents the telephone business carried on independently of the large companies that operate principally in the important cities and their suburbs. The number of systems of this class, together with the miles of wire and number of telephones, for 1912 and 1907, is given in Table 18.

The statistics in this table may be accepted as indicating in a general way the telephone operations in the smaller cities, towns, and rural districts in so far as that service is carried on independently of the larger commercial companies. In accepting the statistics in this table it must be understood that in many instances the companies with annual incomes of $5,000 or more, as well as those with incomes of less than that amount, operate in the same community.

As previously explained, a telephone system which is counted as a unit for census purposes may include a number of lines which are operated largely independently; therefore the increase in the number of lines from 21,335 in 1907 to 30,317 in 1912, or 42.1 per cent, is no indication of the actual increase.

During the five years the wire mileage of the small companies increased by 151,531, or 14.1 per cent, and the number of telephones by 190,959, or 15.8 per cent. The greatest percentage of increase in miles of wire was reported for the East South Central division, and in the number of telephones, for the Mountain division; while for the New England division an actual decrease was shown in both particulars. Decreases appear for the miles of wire in 14 states, and for the number of telephones in 13 states. The only divisions in which all the states reported increases both in miles of wire and number of telephones are the West South Central and the Pacific.

TELEPHONE SYSTEMS REPORTING ANNUAL INCOMES OF LESS THAN $5,000, INCLUDING FARMER OR RURAL LINES—NUMBER OF SYSTEMS, MILES OF WIRE, AND NUMBER OF TELEPHONES, BY GEOGRAPHIC DIVISIONS AND STATES: 1912 AND 1907.

Table 18 — Division and state	Number of systems or lines.		Miles of wire.		Number of telephones.		Per cent of increase.[1]		
	1912	1907	1912	1907	1912	1907	Number of systems or lines.	Miles of wire.	Number of telephones.
United States	30,317	21,335	1,228,935	1,077,404	1,402,844	1,211,885	42.1	14.1	15.8
Geographic divisions:									
New England	328	319	21,979	23,950	25,281	25,856	2.8	—8.2	—2.2
Middle Atlantic	2,118	1,400	85,941	70,419	106,464	85,236	51.3	22.0	24.9
East North Central	4,266	4,375	291,802	296,857	357,455	351,846	—1.8	—1.7	1.6
West North Central	10,128	9,176	401,745	378,614	512,164	484,505	10.4	6.1	5.7
South Atlantic	2,697	1,279	105,314	84,241	103,091	69,493	103.8	25.0	48.3
East South Central	2,928	1,138	80,782	53,401	75,998	45,943	157.3	51.3	65.4
West South Central	5,717	2,187	159,730	107,004	156,080	102,509	161.4	49.3	52.3
Mountain	937	425	32,474	22,192	22,144	12,722	120.5	46.3	74.1
Pacific	1,258	1,036	49,168	40,726	44,167	33,775	21.4	20.7	30.8
New England:									
Maine	157	138	9,560	7,815	10,926	9,288	13.8	22.3	17.6
New Hampshire	62	54	3,567	5,078	3,965	4,575	14.8	—29.8	—13.3
Vermont	81	85	6,369	7,144	8,644	8,716	—4.7	—10.8	—0.8
Massachusetts	25	30	2,319	2,386	1,489	2,182	—16.7	—2.8	—31.8
Rhode Island	(2)	2	(2)	403	(2)	170	.....	.....	.....
Connecticut	3	10	164	1,124	257	925	—70.0	—85.4	—72.2
Middle Atlantic:									
New York	778	831	31,708	32,221	47,313	47,631	—6.4	—1.6	—0.7
New Jersey	90	20	2,794	2,887	3,213	2,460	350.0	—3.2	30.6
Pennsylvania	1,250	549	51,439	35,311	55,938	35,145	127.7	45.7	59.2
East North Central:									
Ohio	572	803	51,816	54,203	63,633	63,785	—28.8	—4.4	—0.2
Indiana	947	754	65,099	75,408	80,259	86,960	25.6	—13.7	—7.7
Illinois	1,091	1,672	80,646	96,111	103,023	124,067	—34.7	—16.1	—17.0
Michigan	975	498	38,513	27,085	46,920	30,579	95.8	42.2	53.4
Wisconsin	711	648	55,728	44,050	63,620	46,455	9.7	26.5	36.9
West North Central:									
Minnesota	1,295	770	55,596	44,590	64,019	45,595	68.2	24.7	40.4
Iowa	3,298	3,316	84,429	92,452	137,331	144,607	—0.5	—8.7	—5.0
Missouri	2,212	2,577	94,622	92,917	118,678	119,584	—14.2	1.8	—0.8
North Dakota	343	238	17,662	11,649	18,326	13,252	44.1	51.6	38.3
South Dakota	436	306	22,757	16,380	26,559	20,604	42.5	38.9	28.9
Nebraska	797	812	43,673	46,348	45,070	44,761	—1.8	—5.8	0.7
Kansas	1,747	1,157	83,006	74,278	102,181	96,102	51.0	11.8	6.3
South Atlantic:									
Delaware	50	1	595	10	632	41	4,900.0	5,850.0	1,441.5
Maryland	149	17	3,268	2,536	3,115	2,688	776.5	28.9	15.9
Virginia	318	273	19,113	16,871	19,684	16,578	16.5	13.3	18.7
West Virginia	285	177	18,557	14,148	25,218	15,435	61.0	31.2	63.4
North Carolina	693	388	26,573	23,556	23,975	14,725	55.4	12.8	62.8
South Carolina	384	136	10,931	10,245	8,368	5,518	182.4	6.7	51.6
Georgia	751	200	20,854	10,582	17,572	9,692	275.5	97.1	81.3
Florida	67	87	5,423	6,293	4,527	4,816	—23.0	—13.8	—6.0
East South Central:									
Kentucky	946	387	28,332	20,354	30,577	18,626	144.4	39.2	64.2
Tennessee	1,061	199	30,726	12,525	25,636	10,773	433.2	145.3	138.0
Alabama	476	289	12,726	9,208	12,148	8,008	64.7	38.2	51.7
Mississippi	445	263	8,998	11,314	7,637	8,536	69.2	—20.5	—10.5
West South Central:									
Arkansas	1,023	516	21,249	17,993	22,560	17,288	98.3	18.1	30.5
Louisiana	180	64	3,657	3,012	2,696	2,244	181.2	21.4	20.1
Oklahoma	1,336	693	41,120	22,982	51,002	31,367	92.8	78.9	62.6
Texas	3,178	914	93,704	63,017	79,822	51,610	247.7	48.7	54.7
Mountain:									
Montana	144	89	7,087	4,839	4,349	2,469	61.8	46.5	76.1
Idaho	197	79	5,811	3,387	5,979	2,651	149.4	71.6	125.5
Wyoming	125	64	4,734	2,993	2,475	1,368	95.3	58.2	80.9
Colorado	315	97	7,399	5,409	4,511	3,047	224.7	36.8	48.0
New Mexico	63	37	2,074	2,298	1,299	1,157	70.3	—9.7	12.3
Arizona	33	31	1,428	1,269	1,096	918	6.5	12.5	19.4
Utah	42	13	3,048	949	2,046	610	223.1	221.2	235.4
Nevada	18	15	893	1,048	389	502	20.0	—14.8	—22.5
Pacific:									
Washington	334	467	16,729	13,743	15,976	12,407	—28.5	21.7	28.8
Oregon	303	287	14,763	13,077	14,790	12,458	5.6	12.9	18.7
California	621	282	17,676	13,906	13,401	8,910	120.2	27.1	50.4

[1] A minus sign (—) denotes decrease.

[2] No systems reported annual incomes of less than $5,000.

Number of central offices or exchanges.—The telephone companies and systems that had an annual income of $5,000 or more for 1912 reported the number of public exchange offices and private-branch exchanges. A retabulation was made of the reports for 1907 so as to show the statistics for the same class of companies for that census. It was impossible to make a retabulation of the reports for 1902, and therefore the statistics are confined to the last two censuses.

For census purposes the "exchange," or "central office," is defined as the place or office in which lines for the use of the general public are interconnected by means of a switchboard. The word "exchange," when used by itself in this report, refers to the public exchange and not to the private-branch exchange, which consists of a switchboard located within a business building, apartment house, hotel, or private establishment, and serving as a means of connection for wires between buildings, departments, offices, or rooms as well as with the central office or exchange.

The two kinds of exchanges are established for separate and distinct purposes. The "central" exchange is for the use of the general public in making connections between distant points and distinctive interests. The private exchange is for the exclusive benefit of the establishment in which it is located.

The combination of the statistics for the two classes of exchanges would have but little, if any, significance. In fact, a total of all exchanges would be misleading. The following statement shows the amount of this class of equipment.

CENSUS.	NUMBER OF EXCHANGES.[1]	
	Public.	Private branch.
1912	11,515	52,651
1907	10,631	28,276

[1] Only systems reporting annual incomes of $5,000 or more.

During the period from 1907 to 1912 there was a slight increase in the number of public exchanges and a very large increase in the private-branch exchanges. The installation of private-branch exchanges in hotels and manufacturing and mercantile establishments has become quite general. They insure quick and satisfactory communication between different rooms and departments, and are now considered a necessity in every institution of any magnitude.

The exchange or central is an adjunct of the larger telephone companies, and the statistics for companies with an annual income of $5,000 and over cover the majority of them. At the same time, there are a number of public exchanges operated by the smaller companies, and the 11,515 must not be accepted as the total number of such exchanges.

The private-branch exchange is even to a greater extent characteristic of the large companies, and it is probable that the total of 52,651 shown in the foregoing statement represents approximately the actual number wired for use.

The number of public exchanges in each state is given in Table 30 and the number of private-branch exchanges in Table 31.

Messages or talks.—The word "traffic" is generally used to indicate the amount of business, or in other words the number of messages, passing over the wires. Each message sent by a subscriber is usually an originating call and may be either a few words or a long conversation. For this reason the number of calls does not represent the extent to which the equipment is used. All systems reporting an annual income of $5,000 or more in 1912 were required to report the number of messages originating on their lines during the year. To avoid duplication, only the original calls were included. It was not thought advisable to require the smaller companies or independent farmer lines to report the number of messages, as it had been found at previous censuses that they could not furnish reliable data. No doubt a large number of messages passing over lines of this character were included by the larger companies, which in many cases perform switching service for them. It was of course impossible to obtain information as to messages passing over private-branch wires and party lines when calls on such lines did not require interconnection at public or central exchanges. Local exchange messages were reported separately from long-distance and toll messages. Messages through one central office, or within the same exchange district, were counted as exchange messages, as they do not include any interchange of business between separate companies or separate exchange systems. Long-distance and toll messages are those between different exchanges.

The traffic statistics were reported in reply to the following inquiry: "Estimated total number of messages or talks (originating calls) handled by the exchange system during the year (do not include interior private-branch calls)." It is presumed that in reply to this question each company reported only the completed calls originating on its lines; in other words, only those calls in response to which the subscriber was successful in getting the number with which he wished to communicate, as distinct from calls in response to which the operator reported "Line busy" or "Does not answer." Some of the systems, however, may have included originating calls not necessarily completed, but if so the number is relatively small and does not seriously affect the comparative value of the statistics.

In considering traffic statistics it must be remembered that the quantity of traffic is very largely

estimated. Many of the larger companies make an actual count of the messages handled during a certain period of each month, and this is used by them as a basis for computing the amount of yearly business. Other companies, however, keep no records on which reliable estimates can be based. In this connection it should be stated that the figures for 1912 are probably more accurate than those for any prior census, because a larger proportion of the companies kept records in 1912 than in previous years.

Of the 1,916 systems reporting annual incomes of $5,000 or more in 1912, 299 failed to estimate the number of messages passing over their lines, and for these systems estimates were prepared by the Bureau of the Census, based on the average number of messages per telephone as computed from the reports of companies that furnished complete statistics. Of the 13,735,658,245 messages shown for the United States in 1912, 469,821,376, or 3.4 per cent, were estimated in this manner.

Table 19 shows the numbers of exchange and long-distance or toll messages for 1912, 1907, and 1902, together with the percentage which each class formed of the total number of messages reported at each census.

Table 19 — TELEPHONE SYSTEMS REPORTING ANNUAL INCOMES OF $5,000 OR MORE—MESSAGES CLASSIFIED AS EXCHANGE AND LONG-DISTANCE: 1912, 1907, AND 1902.

CENSUS.	Number of messages.			Per cent of total.	
	Total.	Exchange.	Long-distance or toll.	Exchange.	Long-distance or toll.
1912	13,735,658,245	13,394,885,442	340,772,803	97.5	2.5
1907	10,400,433,958	10,160,630,944	239,803,014	97.7	2.3
1902	5,070,554,553	4,949,849,709	120,704,844	97.6	2.4

The statistics for 1912 and 1907 represent the companies reporting annual incomes of $5,000 and over, while those for 1902 are for all companies that had exchanges. The table shows that there has been very little variation in the proportions of exchange and long-distance messages.

The percentages of increase in these two classes of messages and the average annual numbers per telephone are shown in the following statement:

PERIOD.	PER CENT OF INCREASE.			Census.	AVERAGE ANNUAL NUMBER OF MESSAGES PER TELEPHONE.		
	Total.	Exchange.	Long-distance or toll.		Total.	Exchange.	Long-distance or toll.
1902-1912	170.9	170.6	182.3	1912	1,875	1,828	47
1907-1912	32.1	31.8	42.1	1907	2,120	2,071	49
1902-1907	105.1	105.3	98.7	1902	2,190	2,138	52

Table 20 presents the number of messages or talks, by geographic divisions and states, for each of the three censuses, together with the estimated number of messages per telephone per day. In computing the daily average 325 was used as a divisor because, as a rule, it represents the number of days on which switchboards are used to their full capacity. The figures for 1902 are not strictly comparable with those for the other years, as they include data for all systems operating switchboards, whether large or small.

The total estimated number of messages reported for 1912, by systems reporting annual incomes of $5,000 or more, for the United States as a whole, is 13,735,658,245, a gain of 3,335,224,287, or 32.1 per cent, since 1907, as compared with an increase of 5,329,879,405, or 105.1 per cent, during the preceding five years. The East North Central division led in the amount of traffic, with 4,025,906,387 messages, followed by the Middle Atlantic division, with 2,422,868,241, and the West North Central division, with 2,238,770,606. These three divisions reported 63.2 per cent of the traffic for the entire United States, compared with 64.2 per cent in 1907 and 66.1 per cent in 1902. The percentage of increase for the decade was greatest in the Mountain division, where it was 325.3 per cent. The West South Central followed, with 255.6 per cent. This division, however, showed the greatest gain for the five years from 1907 to 1912, reporting 67 per cent for that period. It was followed closely by the Pacific division, with an increase of 64.4 per cent for the five-year period. In Table 6, on page 17, the percentages of increase for the decade and for each of the five-year periods are shown, and in Table 7 the percentage distribution is given, in both instances by geographic divisions.

Ohio, although standing only fourth in number of telephones, led all other states in traffic, reporting 1,301,503,565 messages, a gain of 742,795,764 for the decade, or 132.9 per cent, while for the five years 1907–1912 the increase was 29.3 per cent and for the preceding census period 81.5 per cent. New York, Illinois, and Pennsylvania each reported more telephones than Ohio, and followed that state closely in the number of messages.

The apparent decrease shown by the six states, Alabama, Louisiana, Mississippi, Tennessee, South Dakota, and West Virginia, from 1907 to 1912, is not due to an actual decrease in the use of the telephone but to overestimates some of the larger companies made at the census of 1907.

Although the total number of talks has greatly increased at each census, the average number of messages per telephone per day has decreased, this average in 1912 being 5.8, compared with 6.5 and 6.7 in 1907 and 1902, respectively. The decrease is attributed to the increase in the number of telephones per 1,000 population (see Table 5) and the extensive adoption of "limited" or "measured-service" rates.

TELEPHONE SYSTEMS REPORTING ANNUAL INCOMES OF $5,000 OR MORE—ESTIMATED NUMBER OF MESSAGES OR TALKS AND THE NUMBER OF MESSAGES OR TALKS PER TELEPHONE PER DAY, BY GEOGRAPHIC DIVISIONS AND STATES: 1912, 1907, AND 1902.

Table 20

DIVISION AND STATE.	Census.	Number of telephones.	ESTIMATED NUMBER OF MESSAGES OR TALKS. Total.	Per telephone per day.[1]
UNITED STATES	1912	7,326,748	13,735,658,245	5.8
	1907	4,906,693	10,400,433,958	6.5
	1902	2,315,297	[2] 5,070,554,553	6.7
GEOGRAPHIC DIVISIONS:				
New England	1912	600,207	810,524,037	4.2
	1907	384,413	572,523,863	4.6
	1902	166,103	298,292,134	5.5
Middle Atlantic	1912	1,675,681	2,422,868,241	4.4
	1907	1,167,667	1,947,571,139	5.1
	1902	481,567	909,887,064	5.8
East North Central	1912	2,020,802	4,025,906,387	6.1
	1907	1,360,544	3,067,416,613	7.6
	1902	721,549	1,733,817,138	7.4
West North Central	1912	1,109,359	2,238,770,606	6.2
	1907	767,050	1,664,198,498	6.7
	1902	369,619	712,440,737	5.9
South Atlantic	1912	428,311	869,439,943	6.2
	1907	296,271	749,939,984	7.8
	1902	143,314	353,559,870	7.6
East South Central	1912	261,294	662,046,512	7.8
	1907	197,291	731,000,908	11.4
	1902	111,472	377,950,187	10.4
West South Central	1912	387,022	1,079,517,948	8.6
	1907	239,746	646,501,299	8.3
	1902	114,527	303,547,439	8.2
Mountain	1912	204,508	435,366,129	6.6
	1907	141,339	299,270,686	6.5
	1902	47,953	102,374,364	6.6
Pacific	1912	639,564	1,191,218,442	5.7
	1907	352,372	722,010,968	6.3
	1902	159,193	278,685,620	5.4
NEW ENGLAND:				
Maine	1912	57,988	84,033,152	4.5
	1907	43,846	73,197,982	5.1
	1902	14,045	21,923,915	4.8
New Hampshire	1912	36,052	49,984,600	4.3
	1907	24,345	36,537,513	4.6
	1902	9,949	16,987,012	5.3
Vermont	1912	31,498	48,306,101	4.7
	1907	22,117	35,666,768	5.0
	1902	12,112	19,075,847	4.8
Massachusetts	1912	328,503	401,817,540	3.8
	1907	207,201	298,824,440	4.4
	1902	96,512	183,115,320	5.8
Connecticut and Rhode Island.	1912	146,166	226,382,644	4.8
	1907	86,904	128,297,160	4.5
	1902	33,485	57,190,040	5.3
MIDDLE ATLANTIC:				
New York	1912	923,136	1,297,849,047	4.3
	1907	637,881	1,034,651,594	5.0
	1902	246,015	360,098,123	4.5
New Jersey	1912	182,419	192,311,511	3.2
	1907	114,528	138,914,642	3.7
	1902	48,980	56,171,223	3.5
Pennsylvania	1912	570,126	932,707,683	5.0
	1907	415,258	774,004,903	5.7
	1902	186,572	493,617,718	8.1
EAST NORTH CENTRAL:				
Ohio	1912	567,573	1,301,503,565	7.1
	1907	431,851	1,014,222,376	7.2
	1902	222,767	558,707,801	7.7
Indiana	1912	274,291	583,621,519	6.5
	1907	202,492	498,560,085	7.6
	1902	132,489	294,657,565	6.8
Illinois	1912	704,230	1,105,751,431	4.8
	1907	434,518	833,749,155	5.9
	1902	211,187	541,161,932	7.9
Michigan	1912	288,154	694,363,258	7.4
	1907	179,263	413,557,846	7.1
	1902	93,961	237,695,112	7.8
Wisconsin	1912	186,554	340,666,614	5.6
	1907	112,420	307,327,151	8.4
	1902	61,145	101,594,728	5.1
WEST NORTH CENTRAL:				
Minnesota	1912	208,340	418,720,464	6.2
	1907	125,884	274,434,452	6.7
	1902	62,039	113,124,262	5.6
Iowa	1912	242,963	471,126,059	6.0
	1907	187,938	336,184,981	5.5
	1902	120,017	193,054,738	5.0
Missouri	1912	285,472	655,616,330	7.1
	1907	192,943	468,138,352	7.5
	1902	93,371	242,309,227	8.0
North Dakota	1912	32,915	49,861,643	4.7
	1907	20,835	39,874,764	4.6
	1902	6,762	14,106,733	5.9
South Dakota	1912	39,299	47,881,574	3.7
	1907	27,801	60,548,810	6.7
	1902	10,305	17,919,604	5.4
WEST NORTH CENTRAL—Con.				
Nebraska	1912	156,619	291,615,175	5.7
	1907	107,518	246,047,837	7.0
	1902	36,153	73,227,030	6.2
Kansas	1912	143,751	303,949,361	6.5
	1907	104,131	238,969,302	7.1
	1902	40,972	58,699,143	4.4
SOUTH ATLANTIC:				
Maryland, Delaware, and District of Columbia.	1912	143,499	177,755,722	3.8
	1907	107,553	165,995,216	4.7
	1902	36,383	70,981,973	6.0
Virginia	1912	56,968	164,421,931	8.9
	1907	38,963	115,354,885	9.1
	1902	24,130	65,494,626	8.4
West Virginia	1912	55,033	103,255,136	5.8
	1907	46,709	109,065,223	7.2
	1902	22,376	41,605,891	5.7
North Carolina	1912	41,177	90,831,013	6.8
	1907	22,379	80,667,891	11.1
	1902	16,252	36,485,398	6.9
South Carolina	1912	24,871	68,170,380	8.4
	1907	15,393	51,558,785	10.3
	1902	10,467	23,893,914	7.0
Georgia	1912	78,864	206,631,042	8.1
	1907	52,568	187,647,940	11.0
	1902	25,490	96,192,066	11.6
Florida	1912	27,899	58,374,719	6.4
	1907	12,706	39,650,044	9.6
	1902	8,216	18,906,002	7.1
EAST SOUTH CENTRAL:				
Kentucky	1912	100,174	287,807,892	8.8
	1907	75,370	276,476,058	11.3
	1902	46,266	143,101,564	9.5
Tennessee	1912	78,717	188,865,474	7.4
	1907	60,357	231,218,675	11.8
	1902	36,060	128,274,719	10.9
Alabama	1912	44,144	100,983,408	7.0
	1907	32,473	102,736,572	9.7
	1902	14,077	46,158,943	10.1
Mississippi	1912	38,259	84,389,738	6.8
	1907	29,091	120,569,603	12.8
	1902	15,069	60,414,961	12.3
WEST SOUTH CENTRAL:				
Arkansas	1912	45,743	124,445,991	8.4
	1907	32,288	71,950,886	6.9
	1902	16,892	36,716,883	6.7
Louisiana	1912	43,906	101,597,617	7.1
	1907	33,448	120,647,366	11.1
	1902	17,509	68,083,915	12.0
Oklahoma	1912	65,215	163,999,696	7.7
	1907	36,758	108,725,669	9.1
	1902	15,716	31,667,627	6.2
Texas	1912	232,158	689,474,644	9.1
	1907	137,252	345,177,378	7.7
	1902	64,410	167,079,014	8.0
MOUNTAIN:				
Montana	1912	31,188	74,199,468	7.3
	1907	14,699	18,869,410	3.9
	1902	5,421	11,352,976	6.4
Idaho	1912	23,475	45,634,700	6.0
	1907	13,743	24,883,595	5.6
	1902	3,862	6,451,762	5.1
Colorado	1912	85,886	165,041,703	5.9
	1907	62,861	138,203,561	6.8
	1902	24,533	60,258,533	7.6
New Mexico	1912	9,047	20,174,439	7.9
	1907	5,496	12,548,942	7.0
	1902	2,481	4,297,920	5.3
Arizona	1912	10,128	11,573,427	3.5
	1907	5,285	10,379,750	6.0
	1902	3,259	5,072,727	4.8
Utah and Wyoming	1912	39,489	110,244,799	8.6
	1907	35,156	87,596,483	7.7
	1902	7,232	13,531,312	5.8
Nevada	1912	5,295	8,497,593	4.9
	1907	4,099	6,788,945	5.1
	1902	1,165	1,409,134	3.7
PACIFIC:				
Washington	1912	134,040	295,273,362	6.8
	1907	86,439	200,184,465	7.1
	1902	31,447	64,623,982	6.3
Oregon	1912	84,923	170,065,267	6.2
	1907	37,171	83,833,537	6.9
	1902	21,172	35,777,238	5.2
California	1912	420,601	725,879,813	5.3
	1907	228,762	437,992,966	5.9
	1902	106,574	178,284,400	5.1

[1] Computed for 325 days to the year.

[2] Exclusive of independent farmer or rural lines.

The West South Central division, with an average of 8.6, ranks first among the geographic divisions in the number of messages per telephone per day, and is the only division reporting an increase. The New England and Middle Atlantic divisions reported the lowest averages, 4.2 and 4.4, respectively; and among the states Texas reported the greatest average, 9.1, and New Jersey the lowest, only 3.2. Only nine states reported an increase, compared with 29 in 1907.

Traffic and population.—Table 21 shows, by geographic divisions, the number of messages per capita for each of the three censuses, together with the percentages of increase for the decade and for each of the five-year periods.

Table 21 — TELEPHONE SYSTEMS REPORTING ANNUAL INCOMES OF $5,000 OR MORE—NUMBER OF MESSAGES PER CAPITA, BY GEOGRAPHIC DIVISIONS.

DIVISION.	1912	1907	1902	Per cent of increase.[1] 1902–1912	1907–1912	1902–1907
United States	144	122	65	121.5	18.0	87.7
New England	120	94	52	130.8	27.7	80.8
Middle Atlantic	120	110	57	110.5	9.1	93.0
East North Central	215	174	105	104.8	23.6	65.7
West North Central	188	146	67	180.6	28.8	117.9
South Atlantic	69	65	33	109.1	6.2	97.0
East South Central	77	88	49	57.1	−12.5	79.6
West South Central	116	80	44	163.6	45.0	81.8
Mountain	153	150	58	163.8	2.0	158.6
Pacific	260	259	110	136.4	0.4	135.5

[1] A minus sign (−) denotes decrease.

It appears from this table that the average number of telephone messages for each man, woman, and child of the entire population increased from 65 in 1902 to 144 in 1912. The figures for 1902, however, cover some telephone systems of the class for which messages were not reported at the census of 1912; therefore the actual increase may have been larger than the figures indicate.

The increase in the average was only 18 per cent from 1907 to 1912, compared with 87.7 per cent for the period 1902–1907 and 121.5 per cent for the decade. The Pacific states had the greatest traffic per capita in 1912—260 messages. This division also led in 1907, with 259, and in 1902, with 110. The South Atlantic division continued to show the smallest number, reporting only 69 per capita in 1912, compared with 65 in 1907 and 33 in 1902. The decrease shown by the East South Central division for 1912 is due not to any actual decrease in the use of telephones but to the extremely high estimate reported by one large company for 1907.

Table 22 gives the numbers of messages per capita for the United States and for each state for the three censuses. The states are ranked according to the number of messages in 1912, and the rankings in 1907 and 1902 are shown for comparative purposes. Lower averages than those for the United States are shown in italics.

Table 22 — TELEPHONE SYSTEMS REPORTING ANNUAL INCOMES OF $5,000 OR MORE—STATES RANKED ACCORDING TO NUMBER OF MESSAGES PER CAPITA.

STATE.	Messages per capita. 1912	1907	1902	Rank. 1912	1907	1902
United States	144	122	65	.....	.....	.....
California	282	261	116	1	2	2
Ohio	265	226	131	2	4	1
Michigan	240	158	96	3	10	5
Nebraska	239	230	67	4	3	9
Oregon	233	173	83	5	8	7
Washington	230	317	116	6	1	2
Indiana	213	182	114	7	7	3
Iowa	212	153	84	8	11	6
Utah and Wyoming	199	204	*35*	9	6	24
Missouri	197	137	76	10	14	8
Minnesota	195	132	*62*	11	16	12
Colorado	193	220	108	12	5	4
Illinois	190	151	108	13	12	4
Montana	183	*60*	*43*	14	37	17
Kansas	175	145	*40*	15	13	20
Texas	169	*95*	*52*	16	27	14
Wisconsin	*142*	134	*48*	17	15	15
New York	*136*	123	*48*	18	18	15
Vermont	*135*	*101*	*55*	19	24	13
Connecticut and Rhode Island	*131*	*84*	*41*	20	29	19
Idaho	*126*	*117*	*37*	21	20	23
Kentucky	*124*	*118*	65	22	19	10
Pennsylvania	*117*	*110*	76	23	21	8
Massachusetts	*115*	*97*	*63*	24	26	11
New Hampshire	*115*	*84*	*41*	24	29	19
Maine	*112*	*102*	*31*	25	23	26
Maryland, Delaware, and District of Columbia	*95*	*92*	*42*	26	28	18
Nevada	*94*	160	*34*	27	9	25
Oklahoma	*89*	*77*	*35*	28	31	24
Tennessee	*85*	*105*	*62*	29	22	12
West Virginia	*81*	*100*	*42*	30	25	18
North Dakota	*79*	*82*	*41*	31	30	19
South Dakota	*79*	127	*42*	31	17	18
Virginia	*78*	*57*	*34*	32	38	25
Georgia	*77*	*76*	*42*	33	32	18
Arkansas	*76*	*50*	*27*	34	39	28
Florida	*73*	*61*	*34*	35	36	25
New Jersey	*72*	*62*	*29*	36	35	27
Louisiana	*59*	*77*	*47*	37	31	16
New Mexico	*57*	*57*	*21*	38	38	30
Arizona	*52*	*71*	*39*	39	33	21
Alabama	*46*	*50*	*24*	40	39	29
Mississippi	*46*	*70*	*38*	40	34	22
South Carolina	*44*	*35*	*17*	41	41	32
North Carolina	*40*	*39*	*19*	42	40	31

California, which ranked second in 1907 and 1902, with 261 and 116 messages per capita, respectively, led in 1912, with 282 messages for each person in the state, followed by Ohio, with 266; Michigan, with 240; and Nebraska, with 239. Washington, which was first in 1907, with 317, ranked sixth in 1912, reporting only 230 for that year.

Sixteen states reported more messages in proportion to population in 1912 than the average number for the United States, compared with 18 states in 1907 and 13 in 1902.

CHAPTER IV.

COMPARISON OF BELL AND OTHER SYSTEMS.

Companies for which statistics are compared.—There were 1,916 telephone systems reported at the census of 1912 as having annual incomes of $5,000 or more. Of this number, 176 constitute what is commonly known as the Bell Telephone System. The principal offices of these 176 companies are located in 31 states. Many of them operate in more than one state, and the Bell System's long-distance service extends into all states.

The miles of wire and number of telephones are the only features for which satisfactory comparison can be made between the Bell System and all other telephone systems, because other features were not reported for the companies or systems that had annual incomes of less than $5,000. This comparison for 1912, 1907, and 1902 is made in Table 23.

Table 23

	Census.	ALL SYSTEMS AND LINES—MILES OF WIRE AND NUMBER OF TELEPHONES, BELL TELEPHONE SYSTEM AND ALL OTHER SYSTEMS: 1912, 1907, AND 1902.	
		Miles of wire.[1]	Number of telephones.
United States	1912	20,248,326	8,729,592
	1907	12,999,364	6,118,578
	1902	4,900,451	2,371,044
Bell Telephone System	1912	15,133,186	[2] 5,087,027
	1907	8,947,266	3,132,063
	1902	3,387,924	1,317,178
All other systems	1912	5,115,140	3,642,565
	1907	4,052,098	2,986,515
	1902	1,512,527	1,053,866

[1] Exclusive of 1,565 miles in Canada in 1912, and 5 miles in 1907.
[2] For number of telephones connected with Bell System, see p. 37.

The wire operated by the Bell System increased by 11,745,262 miles, or 346.7 per cent, during the 10 years ending with 1912, as compared with an increase of 3,602,613 miles, or 238.2 per cent, for all other systems. During the same period the number of telephones operated by the Bell System increased by 3,769,849, or 286.6 per cent, and those for all other systems by 2,588,679, or 245.6 per cent. In 1912 the Bell System operated 74.7 per cent of the telephone wire mileage and 58.3 per cent of the telephones reported for all companies. In 1907 the percentages were 68.8 and 51.2, and in 1902, 69.1 and 55.6, respectively.

Table 24 shows, by number of telephones, the relative importance of the Bell System in the different geographic divisions and states for 1907 and 1912. The miles of wire and number of messages or talks were not shown separately for the Bell System in the individual states at prior censuses, but Table 25 gives such data for 1912. In this table, however, the estimated number of messages is confined to systems with annual incomes of $5,000 or more.

Table 25 (p. 36) shows that the Bell System operated in every state in the Union and that the non-Bell systems operated in every state except Rhode Island and the District of Columbia. The largest proportion of telephones operated by non-Bell systems is shown for South Dakota, where it was 88.1 per cent in 1912 and 92.5 per cent in 1907. The independents reported a majority of the telephones in Illinois and Michigan in 1907, but in 1912 the Bell System had the larger number, while the reverse changes took place in Montana and Nevada. The Bell interests are proportionately greatest in the New England states, where they controlled 92.7 per cent of the telephones in 1912 and 89.3 per cent in 1907; and they were of the least importance in the West North Central division, where more than two-thirds of the telephones were operated by the independents at both censuses. The Bell System reported the greater number of telephones in 31 states in 1912, and in 28 in 1907. The largest proportion was reported from Connecticut and Rhode Island combined, where 99.1 per cent of the telephones in 1912 and 97.7 per cent in 1907 were operated by the Bell System. The statistics for these two states were combined, to avoid individual disclosures.

ALL SYSTEMS AND LINES—NUMBER OF TELEPHONES: 1912 AND 1907.

Table 24

DIVISION AND STATE.	Census.	Total.	Bell Telephone System.	All other systems.	PER CENT OF TOTAL. Bell.	PER CENT OF TOTAL. All other.
UNITED STATES	1912	8,729,592	5,087,027	3,642,265	58.3	41.7
	1907	6,118,578	3,132,063	2,986,515	51.2	48.8
GEOGRAPHIC DIVISIONS:						
New England	1912	625,488	580,097	45,391	92.7	7.3
	1907	410,269	366,531	43,738	89.3	10.7
Middle Atlantic	1912	1,782,145	1,355,352	426,793	76.1	23.9
	1907	1,252,903	878,428	374,475	70.1	29.9
East North Central	1912	2,378,257	1,159,303	1,218,954	48.7	51.3
	1907	1,712,390	702,746	1,009,644	41.0	59.0
West North Central	1912	1,621,523	519,069	1,102,454	32.0	68.0
	1907	1,251,555	297,432	954,123	23.8	76.2
South Atlantic	1912	531,402	340,227	191,175	64.0	36.0
	1907	365,764	209,308	156,456	57.2	42.8
East South Central	1912	337,292	184,355	152,937	54.7	45.3
	1907	243,234	137,128	106,106	56.4	43.6
West South Central	1912	543,102	283,681	259,421	52.2	47.8
	1907	342,255	157,080	185,175	45.9	54.1
Mountain	1912	226,652	177,617	49,035	78.4	21.6
	1907	154,061	115,115	38,946	74.7	25.3
Pacific	1912	683,731	487,326	196,405	71.3	28.7
	1907	386,147	268,295	117,852	69.5	30.5
NEW ENGLAND:						
Maine	1912	68,914	52,564	16,350	76.3	23.7
	1907	53,134	37,110	16,024	69.8	30.2
New Hampshire	1912	40,017	33,387	6,630	83.4	16.6
	1907	28,920	22,432	6,488	77.6	22.4
Vermont	1912	40,142	23,818	16,324	59.3	40.7
	1907	30,833	16,916	13,917	54.9	45.1
Massachusetts	1912	329,992	325,186	4,806	98.5	1.5
	1907	209,383	204,059	5,324	97.5	2.5
Connecticut and Rhode Island.	1912	146,423	145,142	1,281	99.1	0.9
	1907	87,999	86,014	1,985	97.7	2.3
MIDDLE ATLANTIC:						
New York	1912	970,449	809,635	160,814	83.4	16.6
	1907	685,512	504,753	180,759	73.6	26.4
New Jersey	1912	185,632	161.037	24,595	86.8	13.2
	1907	116,988	97,854	19,134	83.6	16.4
Pennsylvania	1912	626,064	384.680	241,384	61.4	38.6
	1907	450,403	275,821	174,582	61.2	38.8
EAST NORTH CENTRAL:						
Ohio	1912	631,206	251,116	380,090	39.8	60.2
	1907	495,636	183,358	312,278	37.0	63.0
Indiana	1912	354,550	117,897	236,653	33.3	66.7
	1907	289,452	72,462	216,990	25.0	75.0
Illinois	1912	807,253	473,799	333,454	58.7	41.3
	1907	558,585	273,263	285,322	48.9	51.1
Michigan	1912	335,074	193,599	141,475	57.8	42.2
	1907	209,842	103,793	106,049	49.5	50.5
Wisconsin	1912	250,174	122,892	127,282	49.1	50.9
	1907	158,875	69,870	89,005	44.0	56.0
WEST NORTH CENTRAL:						
Minnesota	1912	272,359	99,093	173,266	36.4	63.6
	1907	171,479	56,861	114,618	33.2	66.8
Iowa	1912	380,294	116,813	263,481	30.7	69.3
	1907	332,545	52,772	279,773	15.9	84.1
Missouri	1912	404,150	140,239	263,911	34.7	65.3
	1907	312,527	91,704	220,823	29.3	70.7
North Dakota	1912	51,241	17,328	33,913	33.8	66.2
	1907	34,087	7,452	26,635	21.9	78.1
South Dakota	1912	65,858	7,836	58,022	11.9	88.1
	1907	48,405	3,654	44,751	7.5	92.5
WEST NORTH CENTRAL—Continued.						
Nebraska	1912	201,689	62,246	139,443	30.9	69.1
	1907	152,279	46,669	105,610	30.6	69.4
Kansas	1912	245,932	75,514	170,418	30.7	69.3
	1907	200,233	38,320	161,913	19.1	80.9
SOUTH ATLANTIC:						
Maryland, Delaware, and District of Columbia.	1912	147,246	138,661	13,368	94.2	5.8
	1907	110,282	90,386	19,896	82.0	18.0
Virginia	1912	76,252	47,497	29,155	62.3	37.7
	1907	55,541	31,423	24,118	56.6	43.4
West Virginia	1912	80,251	27,593	52,658	34.4	65.6
	1907	62,144	15,535	46,609	25.0	75.0
North Carolina	1912	65,152	27,951	37,201	42.9	57.1
	1907	37,104	16,507	20,597	44.5	55.5
South Carolina	1912	33,239	20,926	12,313	63.0	37.0
	1907	20,911	13,039	7,872	62.4	37.6
Georgia	1912	96,436	64,052	32,384	66.4	33.6
	1907	62,260	36,056	26,204	57.9	42.1
Florida	1912	32,426	13,547	18,879	41.8	58.2
	1907	17,522	6,362	11,160	36.3	63.7
EAST SOUTH CENTRAL:						
Kentucky	1912	130,751	51,185	79,566	39.1	60.9
	1907	93,996	42,200	51,796	44.9	55.1
Tennessee	1912	104,353	62,194	42,159	59.6	40.4
	1907	71,130	45,372	25,758	63.8	36.2
Alabama	1912	56,292	39,233	17,059	69.7	30.3
	1907	40,481	25,496	14,985	63.0	37.0
Mississippi	1912	45,896	31,743	14,153	69.2	30.8
	1907	37,627	24,060	13,567	63.9	36.1
WEST SOUTH CENTRAL:						
Arkansas	1912	68,303	37,658	30,645	55.1	44.9
	1907	49,576	17,426	32,150	35.2	64.8
Louisiana	1912	46,602	41,803	4,799	89.7	10.3
	1907	35,692	29,508	6,184	82.7	17.3
Oklahoma	1912	116,217	55,339	60,878	47.6	52.4
	1907	68,125	30,116	38,009	44.2	55.8
Texas	1912	311,980	148,881	163,099	47.7	52.3
	1907	188,862	80,030	108,832	42.4	57.6
MOUNTAIN:						
Montana	1912	35,537	16,180	19,357	45.5	54.5
	1907	17,168	9,050	8,118	52.7	47.3
Idaho	1912	29,454	17,560	11,894	59.6	40.4
	1907	16,394	10,640	5,754	64.9	35.1
Colorado	1912	90,397	84,626	5,771	93.6	6.4
	1907	65,908	61,435	4,473	93.2	6.8
New Mexico	1912	10,346	8,482	1,864	82.0	18.0
	1907	6,653	3,177	3,476	47.8	52.2
Arizona	1912	11,224	9,802	1,422	82.0	18.0
	1907	6,203	3,055	3,148	49.3	50.7
Utah and Wyoming	1912	44,010	38,442	5,568	87.3	12.7
	1907	37,134	25,238	11,896	68.0	32.0
Nevada	1912	5,684	2,525	3,159	44.4	55.6
	1907	4,601	2,520	2,081	54.8	45.2
PACIFIC:						
Washington	1912	150,016	106,151	43,865	70.8	29.2
	1907	98,846	63,194	35,652	63.9	36.1
Oregon	1912	99,713	58,030	41,683	58.2	41.8
	1907	49,629	33,406	16,223	67.3	32.7
California	1912	434,002	323,145	110,857	74.5	25.5
	1907	237,672	171,695	65,977	72.2	27.8

ALL SYSTEMS AND LINES—MILES OF WIRE, NUMBER OF TELEPHONES, AND ESTIMATED NUMBER OF MESSAGES OR TALKS, CLASSIFIED AS THE BELL TELEPHONE SYSTEM AND ALL OTHER SYSTEMS, BY GEOGRAPHIC DIVISIONS AND STATES: 1912.

Table 25

DIVISION AND STATE.	TOTAL.			BELL TELEPHONE SYSTEM.			ALL OTHER SYSTEMS.		
	Miles of wire.	Number of telephones.	Estimated number of messages or talks.[1]	Miles of wire.	Number of telephones.	Estimated number of messages or talks.	Miles of wire.	Number of telephones.	Estimated number of messages or talks.[1]
UNITED STATES	20,248,326	8,729,592	13,735,658,245	15,133,186	5,087,027	9,133,226,836	5,115,140	3,642,565	4,602,431,409
GEOGRAPHIC DIVISIONS:									
New England	1,545,252	625,488	810,524,037	1,498,417	580,097	778,472,201	46,835	45,391	32,051,836
Middle Atlantic	5,035,019	1,782,145	2,422,868,241	4,227,908	1,355,352	1,756,522,790	807,111	426,793	666,345,451
East North Central	4,645,218	2,378,257	4,025,906,387	3,006,320	1,159,303	2,208,734,660	1,638,898	1,218,954	1,817,171,727
West North Central	2,932,578	1,621,523	2,238,770,606	1,636,056	519,069	1,135,454,339	1,296,522	1,102,454	1,103,316,267
South Atlantic	1,121,458	531,402	869,439,943	886,897	340,227	678,091,893	234,561	191,175	191,348,050
East South Central	977,694	337,292	662,046,512	662,218	184,355	437,251,959	315,476	152,937	224,794,553
West South Central	1,312,553	543,102	1,079,517,948	971,439	283,681	860,106,989	341,114	259,421	219,410,959
Mountain	558,450	226,652	435,366,129	498,564	177,617	372,292,039	59,886	49,035	63,074,090
Pacific	2,120,104	683,731	1,191,218,442	1,745,367	487,326	906,299,966	374,737	196,405	284,918,476
NEW ENGLAND:									
Maine	141,687	68,914	84,033,152	124,749	52,564	79,734,699	16,938	16,350	4,298,453
New Hampshire	75,917	40,017	49,984,600	69,686	33,387	42,597,908	6,231	6,630	7,386,692
Vermont	54,756	40,142	48,306,101	41,503	23,818	35,539,241	13,253	16,324	12,766,860
Massachusetts	863,426	329,992	401,817,540	854,894	325,186	395,927,259	8,532	4,806	5,890,281
Rhode Island	102,906	41,664	48,211,556	102,906	41,664	48,211,556	----	----	----
Connecticut	306,560	104,759	178,171,088	304,679	103,478	176,461,538	1,881	1,281	1,709,550
MIDDLE ATLANTIC:									
New York	2,790,060	970,449	1,297,849,047	2,565,015	809,635	1,037,894,644	225,045	160,814	259,954,403
New Jersey	644,984	185,632	192,311,511	579,281	161,037	161,925,950	65,703	24,595	30,385,561
Pennsylvania	1,599,975	626,064	932,707,683	1,083,612	384,680	556,702,196	516,363	241,384	376,005,487
EAST NORTH CENTRAL:									
Ohio	1,161,032	631,206	1,301,503,565	623,307	251,116	547,058,736	537,725	380,090	754,444,829
Indiana	667,839	354,550	583,621,519	378,492	117,897	252,578,455	289,347	236,653	331,043,064
Illinois	1,689,074	807,253	1,105,751,431	1,204,666	473,799	713,993,119	484,408	333,454	391,758,312
Michigan	728,184	335,074	694,363,258	524,172	193,599	458,146,344	204,012	141,475	236,216,914
Wisconsin	399,089	250,174	340,666,614	275,683	122,892	236,958,006	123,406	127,282	103,708,608
WEST NORTH CENTRAL:									
Minnesota	653,479	272,359	418,720,464	373,733	99,093	204,606,168	279,746	173,266	214,114,296
Iowa	504,101	380,294	471,126,059	296,784	116,813	241,438,379	207,317	263,481	229,687,680
Missouri	874,334	404,150	655,616,330	492,739	140,239	322,331,011	381,595	263,911	333,285,319
North Dakota	76,174	51,241	49,861,643	43,180	17,328	27,920,018	32,994	33,913	21,941,625
South Dakota	73,921	65,858	47,881,574	17,177	7,836	14,201,488	56,744	58,022	33,680,086
Nebraska	393,319	201,689	291,615,175	195,615	62,246	128,625,549	197,704	139,443	162,989,626
Kansas	357,250	245,932	303,949,361	216,828	75,514	196,331,726	140,422	170,418	107,617,635
SOUTH ATLANTIC:									
Delaware	48,632	15,842	26,810,915	40,838	12,648	22,145,989	7,794	3,194	4,664,926
Maryland	228,744	84,801	104,008,361	223,170	79,410	101,210,919	5,574	5,391	2,797,442
District of Columbia	126,279	46,603	46,936,446	126,279	46,603	46,936,446	----	----	----
Virginia	161,136	76,652	164,421,931	132,827	47,497	148,083,057	28,309	29,155	16,338,874
West Virginia	112,954	80,251	103,255,136	64,255	27,593	52,420,225	48,699	52,658	50,834,911
North Carolina	109,110	65,152	90,831,013	65,356	27,951	68,757,607	43,754	37,201	22,073,406
South Carolina	73,712	33,239	68,170,380	58,848	20,926	60,087,496	14,864	12,313	8,082,884
Georgia	206,591	96,436	206,631,042	149,889	64,052	151,675,074	56,702	32,384	54,955,968
Florida	54,300	32,426	58,374,719	25,435	13,547	26,775,080	28,865	18,879	31,599,639
EAST SOUTH CENTRAL:									
Kentucky	352,544	130,751	287,807,892	199,151	51,185	124,681,052	153,393	79,566	163,126,840
Tennessee	287,685	104,353	188,865,474	232,979	62,194	147,577,363	54,706	42,159	41,288,111
Alabama	152,849	56,292	100,983,408	130,168	39,233	88,499,665	22,681	17,059	12,483,743
Mississippi	184,616	45,896	84,389,738	99,920	31,743	76,493,879	84,696	14,153	7,895,859
WEST SOUTH CENTRAL:									
Arkansas	141,014	68,303	124,445,991	111,623	37,658	112,397,972	29,391	30,645	12,048,019
Louisiana	138,905	46,602	101,597,617	133,434	41,803	100,700,585	5,471	4,799	897,032
Oklahoma	211,175	116,217	163,999,696	160,576	55,339	149,005,621	50,599	60,878	14,994,075
Texas	821,459	311,980	689,474,644	565,806	148,881	498,002,811	255,653	163,099	191,471,833
MOUNTAIN:									
Montana	54,259	35,537	74,199,468	30,652	16,180	29,034,109	23,607	19,357	45,165,359
Idaho	58,205	29,454	45,634,700	50,191	17,560	36,577,475	8,014	11,894	9,057,225
Wyoming	20,368	9,946	17,121,932	15,634	7,471	17,121,932	4,734	2,475	(2)
Colorado	261,987	90,397	165,041,703	253,518	84,626	163,508,703	8,469	5,771	1,533,000
New Mexico	22,492	10,346	20,174,439	19,648	8,482	19,387,139	2,844	1,864	787,300
Arizona	18,621	11,224	11,573,427	16,669	9,802	11,121,388	1,952	1,422	452,039
Utah	112,726	34,064	93,122,867	108,316	30,971	90,575,087	4,410	3,093	2,547,780
Nevada	9,792	5,684	8,497,593	3,936	2,525	4,966,206	5,856	3,159	3,531,387
PACIFIC:									
Washington	487,079	150,016	295,273,362	429,025	106,151	236,826,440	58,054	43,865	58,446,922
Oregon	272,481	99,713	170,065,267	186,103	58,030	119,183,718	86,378	41,683	50,881,549
California	1,360,544	434,002	725,879,813	1,130,239	323,145	550,289,808	230,305	110,857	175,590,005

[1] Exclusive of systems reporting annual incomes of less than $5,000.
[2] Not reported, there being no "All other systems" in Wyoming with annual incomes of $5,000 or more.

The following table shows the percentages of the total number of telephones and miles of wire reported by the Bell System and by all other systems in the nine geographic divisions:

Table 26

DIVISION.	PER CENT OF WIRE MILEAGE AND NUMBER OF TELEPHONES—BELL TELEPHONE SYSTEM AND ALL OTHER SYSTEMS: 1912.			
	Per cent of total wire mileage.		Per cent of total number of telephones.	
	Bell Telephone System.	All other systems.	Bell Telephone System.	All other systems.
United States	74.7	25.3	58.3	41.7
New England	97.0	3.0	92.7	7.3
Middle Atlantic	84.0	16.0	76.1	23.9
East North Central	64.7	35.3	48.7	51.3
West North Central	55.8	44.2	32.0	68.0
South Atlantic	79.1	20.9	64.0	36.0
East South Central	67.7	32.3	54.7	45.3
West South Central	74.0	26.0	52.2	47.8
Mountain	89.3	10.7	78.4	21.6
Pacific	82.3	17.7	71.3	28.7

Telephones connected with the Bell System.—The census schedule contained an inquiry to determine the number of telephones on the wires of non-Bell companies that were connected for exchange purposes with the Bell System on December 31, 1912. The telephone companies operated independently of the Bell System, and having annual incomes of $5,000 or more, reported that there were 1,071,987 telephones on their wires connected through their exchanges with Bell companies. The Bell System, however, reported that there were 2,369,047 telephones on the wires of other companies that had direct or indirect connection with its branches. The difference between these two totals, namely, 1,297,060 telephones, is accounted for by the fact that the number reported by the Bell System includes all telephones that were classed as "service telephones" (that is, telephones on lines or systems with less than $5,000 annual income), together with telephones other than "service telephones," that were indirectly connected through exchanges operated independently of the Bell System. In other words, the Bell System reported all telephones connected either directly or indirectly with its exchanges. It is impossible to obtain uniform statements in regard to this matter from all non-Bell companies, and the following quotations from some of the letters that were received indicate that some of those companies reported only the telephones which had a direct connection through their exchanges with the Bell System and did not include those having an indirect connection:

"So far as I have any knowledge of the company's affairs, there is no direct connection with the Bell Telephone Co. or with any company operating for profit. The * * * company operates in this county, and we have indirect connection with them through some of their country switches and through private families who have phones on both lines; but we have no connection between centrals."

"Our company does not directly connect with Bell lines, but can get these connections through the * * * Telephone Co. at * * *. If this is considered a connection with the Bell System, the full number of * * * telephones would be accessible to connection."

"The Bell telephone lines do not connect with this company, but our subscribers have access to all Bell telephones through other connecting companies.

"We do not know how many of our subscribers have connection to Bell telephones.

"We do not have any contract for Bell connections, although we transmit messages to and receive messages from the Bell lines."

"We wish to state that we have no connection with the Bell Co. only through other telephone companies' exchanges."

"None of the telephones operated by us were, or are, connected in any way with the Bell Co.

"The * * * Telephone Co., which operates in this county with an exchange and headquarters at * * *, has connection with the Bell Co. The toll lines of the Bell Co. connect with the * * * switchboard of the above-mentioned mutual company, and a number of the rural lines of this company connect with the Bell switchboard at * * *."

"We have no direct wires belonging to what is known as Bell Telephone Co. attached to any of our switchboards.

"We do connect with independent telephone companies, and after our lines connect with them we, through such connections, procure outlet over the Bell System."

"The Bell Co. also has an exchange in * * * and a toll station at * * *. Our company has no connection whatever with the Bell Co., either directly or indirectly, in this vicinity, and are in direct competition. The Bell and associated companies have their toll lines, while we connect with the * * * Telephone Co., which, together with connecting companies, cover this and adjoining states.

"There are some points, however, at distances where we formerly had exclusive connection that have taken on Bell toll lines, and in this way both companies reach their subscribers. Such points, however, as have not done this—for instance, the * * * Telephone Co., where no combination has been made—our subscribers only can reach these exchanges and the Bell subscribers only can reach the Bell exchange in the same town.

"In a few cases where the Bell Co. have bought out independent exchanges our connection has not been disturbed, and subscribers from those exchanges can reach our subscribers over independent toll lines and similarly Bell subscribers over Bell toll lines."

"If you mean that they had their wire on any of our exchange switchboards in 1912, I was correct * * * no. But we could send over them through other lines."

"We have no direct connection with the lines of the Bell Telephone Co. Through the lines of the * * * Telephone Co. we do have access to a limited extent, for certain toll points, on the Bell wires."

"We operate here the same as any other independent company, having no direct connection with the Bell System. However, we have long-distance business originating here and coming in from the Bell System over the lines of the * * * Telephone Co."

"We have no Bell connections nor have many of the independent companies of * * *.

"We are connected with locally owned sublicense companies in * * * and * * * counties, who do business with the Bell Co., but won't accept our calls for Bell connections."

"We are not directly connected with the Bell Co.; we are connected with other companies that may be connected with the Bell Co., but are not directly connected with them ourselves."

"Our long-distance connections are with the * * *, a concern not affiliated with the Bell Co.

"We have no direct connection with the Bell * * *." [1]

"All of our phones are connected with the * * * Telephone Co., the long-distance company that does the business through here, and I think, but don't know positively, if they connect with the Bell System or not." [1]

"We connected with the * * * Telephone Co.; whether or not this is classed as Bell I am unable to say."

"We have no access whatever to the Bell toll lines. There are, however, two or three small exchanges in this and adjoining counties which are owned by the Bell and where there is no independent exchange, which our subscribers can reach by going over some sublicense toll lines between this exchange and those referred to.

"With the above exceptions we have absolutely no connections with any of the Bell Systems."

"We don't make connection with the Bell Co. There is a long-distance telephone line running through this county by the name of the * * * Telephone Co., and we make connection with that company and that company makes connection at * * * with the * * * Telephone & Telegraph Co., but I don't know if the * * * Telephone & Telegraph Co. belongs to the Bell Telephone or not.

"The * * * Telephone does not have a connection with the Bell Telephone Co. The * * * Telephone Co. connects with the Bell at * * * and * * *. We have an exchange of service with the * * *, but not for Bell business."

Exchange and toll circuits.—Table 27 gives statistics for the wire mileage on exchange and toll circuits, and underground and overhead, respectively, as reported for the Bell System and all other systems.

Table 27 — ALL SYSTEMS AND LINES—MILES OF SINGLE WIRE ON EXCHANGE AND TOLL CIRCUITS: 1912.

	Total.	Overhead.	Underground.	Per cent of total. Overhead.	Per cent of total. Underground.
All circuits	20,248,326	11,083,338	9,164,988	54.7	45.3
Bell Telephone System	15,133,186	7,163,108	7,970,078	47.3	52.7
All other systems	5,115,140	3,920,230	1,194,910	76.6	23.4
Exchange circuits	17,565,110	8,876,594	8,688,516	50.5	49.5
Bell Telephone System	12,882,826	5,385,826	7,497,000	41.8	58.2
All other systems	4,682,284	[1] 3,490,768	1,191,516	74.6	25.4
Toll circuits	2,683,216	2,206,744	476,472	82.2	17.8
Bell Telephone System	2,250,360	1,777,282	473,078	79.0	21.0
All other systems	432,856	429,462	3,394	99.2	0.8

[1] Includes 1,228,935 miles of wire operated by systems reporting annual incomes of less than $5,000.

The tendency to adopt underground circuits is becoming very general. Of the 20,248,326 miles of single wire reported in 1912, 9,164,988 miles, or 45.3 per cent, was underground. More than one-half of the total wire reported by the Bell System was underground, as compared with a little less than one-fourth reported by non-Bell companies. Natually, the greater amount of underground mileage is installed on exchange circuits, and was reported by the systems operating in the larger cities. The total exchange mileage reported by the Bell System was 12,882,826, of which 7,497,000 miles, or 58.2 per cent, was underground. Other systems reported 4,682,284 miles, practically three-fourths of which was overhead. More than one-fifth of the toll-circuit mileage operated by the Bell System was underground, while of that reported by the non-Bell companies but eighth-tenths of 1 per cent was underground.

Messages or talks.—Table 28 shows, for 1912 and 1907, the number of local exchange and long-distance messages for the Bell System and other systems having annual incomes of $5,000 or more.

Table 28 — TRAFFIC OF TELEPHONE SYSTEMS REPORTING ANNUAL INCOMES OF $5,000 OR MORE—BELL AND ALL OTHER.

	1912	1907	Per cent of increase.[1]
TOTAL.			
Number of systems	1,916	1,636	17.1
Number of telephones	7,326,748	4,906,693	49.3
Estimated number of messages or talks	13,735,658,245	10,400,433,958	32.1
Local exchange	13,394,885,442	10,160,630,944	31.8
Long-distance or toll	340,772,803	239,803,014	42.1
Average messages or talks per telephone	1,875	2,120	−11.6
Local exchange	1,828	2,071	−11.7
Long-distance or toll	47	49	−4.1
BELL TELEPHONE SYSTEM.			
Number of systems	176	175	0.6
Number of telephones	5,087,027	3,132,063	62.4
Estimated number of messages or talks	9,133,226,836	6,401,044,799	42.7
Local exchange	8,886,838,093	6,209,430,515	43.1
Long-distance or toll	246,388,743	191,614,284	28.6
Average messages or talks per telephone	1,795	2,044	−12.2
Local exchange	1,747	1,983	−11.9
Long-distance or toll	48	61	−21.3
ALL OTHER SYSTEMS.			
Number of systems	1,740	1,461	19.1
Number of telephones	2,239,721	1,774,630	26.2
Estimated number of messages or talks	4,602,431,409	3,999,389,159	15.1
Local exchange	4,508,047,349	3,951,200,429	14.1
Long-distance or toll	94,384,060	48,188,730	95.9
Average messages or talks per telephone	2,055	2,254	−8.8
Local exchange	2,013	2,227	−9.6
Long-distance or toll	42	27	55.6

[1] A minus sign (−) denotes decrease.

It was estimated that 13,735,658,245 messages were handled during the year 1912 by the telephone systems having incomes of $5,000 or more. Of this number, 13,394,885,442, or 97.5 per cent, were local exchange and 340,772,803, or 2.5 per cent, long-distance or toll. The Bell System had 8,886,838,093, or 66.3 per cent, of the local messages and 246,388,743, or 72.3 per cent, of the long-distance. In considering these figures reference should be made to the defects inherent in the statistics of messages, described on page —. While there was a large increase in the total number of messages handled during 1912, as compared with the number for 1907, there was a decrease in the average number per telephone, both for the local and for the long-distance service. This decrease was most pronounced in the statistics for the Bell System. For the systems other than the Bell there was a slight increase in the average for local messages.

In 1912 the long-distance or toll messages formed 2.5 per cent of the total messages, compared with 2.3 in 1907. The proportion was slightly higher in 1912 for the Bell System, being 2.7 per cent, as compared with 2 per cent for all other systems.

[1] The company referred to has Bell connections, a fact apparently not known by the reporting company.

Comparative summary.—Table 29 presents separate statistics for the Bell System and for the non-Bell systems having incomes of $5,000 or more.

The steady growth of both the non-Bell and the Bell Systems is shown by this table. The comparison between the Bell and other systems, however, is not exact because the table does not include statistics for the systems having annual incomes of less than $5,000. While for some purposes it is proper to compare the statistics for the Bell System with those for the non-Bell companies with annual incomes of $5,000 or more, such a comparison necessarily conveys the impression that the Bell System controls a larger proportion of the telephone business of the country than it actually does control.

The intercompany holdings of the Bell System are excluded from the figures for capital given in this table, but the stocks and bonds of other telephone companies held by both the Bell and independent systems are included.

TELEPHONE SYSTEMS REPORTING ANNUAL INCOMES OF $5,000 OR MORE—COMPARATIVE SUMMARY: 1912 AND 1907.

Table 29	TOTAL.		BELL TELEPHONE SYSTEM.		ALL OTHER SYSTEMS.	
	1912	1907	1912	1907	1912	1907
Number of systems	1,916	1,636	176	175	1,740	1,461
Miles of single wire	19,019,391	11,921,960	15,133,186	8,947,266	3,886,205	2,974,694
Miles of pole line	671,686	553,752	353,422	287,458	318,264	266,294
Number of public exchanges	11,515	10,613	5,853	5,418	5,662	5,195
Number of telephones	7,326,748	4,906,693	5,087,027	3,132,063	2,239,721	1,774,630
Estimated number of messages or talks	13,735,658,245	10,400,433,958	9,133,226,836	6,401,044,799	4,602,431,409	3,999,389,159
Income, total	$255,081,234	$176,700,408	$206,130,830	$138,803,831	$48,950,404	$37,896,577
Expenses, including taxes and fixed charges, total	$203,754,909	$135,475,177	$163,024,105	$107,356,551	$40,730,804	$28,118,626
Net income	$51,326,325	$41,225,231	$43,106,725	$31,447,280	$8,219,600	$9,777,951
Dividends	$34,120,809	$23,448,212	$29,709,841	$20,201,937	$4,410,968	$3,246,275
Assets, total	$1,295,670,101	$940,357,998	$934,805,563	$623,036,358	$360,864,538	$317,321,640
Cost of construction and equipment	$1,081,433,227	$794,096,971	$780,017,745	$526,079,031	$301,415,482	$268,017,940
Stocks and bonds and other permanent investments	$104,554,667	$60,731,090	$72,629,170	$25,090,795	$31,925,497	$35,640,295
Cash and current assets	$96,618,255	$82,963,172	$82,158,648	$71,866,532	$14,459,607	$11,096,640
Sundries, including stock and bond discount and sinking and other special funds	$13,063,952	$2,566,765	.....	.....	$13,063,952	$2,566,765
Liabilities, total	$1,295,670,101	$940,357,998	$934,805,563	$623,036,358	$360,864,538	$317,321,640
Capital stock	$586,763,879	$456,788,725	$397,885,433	$294,578,646	$188,878,446	$162,210,079
Funded debt	$404,530,236	$301,333,489	$295,872,053	$197,071,800	$108,658,183	$104,261,689
Real-estate mortgages, floating debt, and accounts payable	$71,742,634	$74,388,503	$49,818,920	$50,825,741	$21,923,714	$23,562,762
Cash investments	$3,287,138	$2,583,833	.....	.....	$3,287,138	$2,583,833
Interest, taxes, and dividends, due and accrued	$17,520,891	$11,855,910	$14,405,707	$9,703,462	$3,115,184	$2,152,448
Reserves	$148,818,981	$38,991,858	$137,967,085	$36,168,979	$10,851,896	$2,822,879
Sundries	$2,234,721	$6,210,884	$434,304	.....	$1,800,417	$6,210,884
Net surplus	$60,771,621	$48,204,796	$38,422,061	$34,687,730	$22,349,560	$13,517,066
Salaried employees:						
Number	38,753	22,819	31,435	17,039	7,318	5,780
Salaries	$32,681,482	$18,542,619	$27,004,837	$14,501,916	$5,676,645	$4,040,703
Wage earners:						
Average number	[1] 144,608	108,851	[1] 110,468	78,772	[1] 34,140	30,079
Wages	$63,359,059	$46,466,730	$49,896,524	$36,073,994	$13,462,535	$10,392,736

[1] Number employed Sept. 16, 1912.

Public exchanges.—In addition to the number of telephones and the miles of wire, the number of public exchanges or central offices is a significant index to the importance of the industry. Table 30 shows, by geographic divisions and states, for 1912, 1907, and 1902, the numbers of public exchanges for the Bell and other systems, respectively, and the percentage which the number for each forms of the total.

TELEPHONE SYSTEMS REPORTING ANNUAL INCOMES OF $5,000 OR MORE—NUMBER OF PUBLIC EXCHANGES: 1912, 1907, AND 1902.

Table 30 DIVISION AND STATE.	Census.	Total.	Bell Telephone System.	All other systems.[1]
UNITED STATES	1912	11,515	5,853	5,662
	1907	10,613	5,418	5,195
	1902	10,361	3,753	6,608
GEOGRAPHIC DIVISIONS:				
New England	1912	731	625	106
	1907	732	643	89
	1902	599	473	126
Middle Atlantic	1912	1,862	1,001	861
	1907	1,687	938	749
	1902	1,731	946	785
East North Central	1912	2,858	967	1,891
	1907	2,715	971	1,744
	1902	3,143	699	2,444
West North Central	1912	2,209	640	1,569
	1907	1,921	460	1,461
	1902	2,069	245	1,824
GEOGRAPHIC DIVISIONS—Continued.				
South Atlantic	1912	783	464	319
	1907	699	406	293
	1902	791	138	653
East South Central	1912	746	553	193
	1907	702	509	193
	1902	525	286	239
West South Central	1912	948	600	348
	1907	816	409	407
	1902	619	186	433
Mountain	1912	504	397	107
	1907	435	318	117
	1902	250	184	66
Pacific	1912	874	606	268
	1907	906	764	142
	1902	634	596	38

[1] The data for 1902 includes all systems operating switchboards.

TELEPHONE SYSTEMS REPORTING ANNUAL INCOMES OF $5,000 OR MORE—NUMBER OF PUBLIC EXCHANGES: 1912, 1907, AND 1902—Continued.

Table 30—Continued. DIVISION AND STATE.	Census.	Total.	Bell Telephone System.	All other systems.[1]
NEW ENGLAND:				
Maine	1912	167	126	41
	1907	192	158	34
	1902	112	80	32
New Hampshire	1912	98	87	11
	1907	106	101	5
	1902	87	75	12
Vermont	1912	107	61	46
	1907	91	53	38
	1902	103	39	64
Massachusetts	1912	257	253	4
	1907	259	250	9
	1902	233	221	12
Connecticut and Rhode Island	1912	102	98	4
	1907	84	81	3
	1902	64	58	6
MIDDLE ATLANTIC:				
New York	1912	705	476	229
	1907	685	414	271
	1902	713	408	305
New Jersey	1912	186	137	49
	1907	195	144	51
	1902	246	175	71
Pennsylvania	1912	971	388	583
	1907	807	380	427
	1902	772	363	409
EAST NORTH CENTRAL:				
Ohio	1912	802	234	568
	1907	805	259	546
	1902	757	158	599
Indiana	1912	484	160	324
	1907	463	163	300
	1902	621	91	530
Illinois	1912	772	237	535
	1907	753	242	511
	1902	912	177	735
Michigan	1912	501	232	269
	1907	472	217	255
	1902	511	185	326
Wisconsin	1912	299	104	195
	1907	222	90	132
	1902	342	88	254
WEST NORTH CENTRAL:				
Minnesota	1912	363	112	251
	1907	276	91	185
	1902	246	23	223
Iowa	1912	442	128	314
	1907	440	73	367
	1902	710	68	642
Missouri	1912	379	119	260
	1907	313	91	222
	1902	482	41	441
North Dakota	1912	171	59	112
	1907	113	22	91
	1902	49	4	45
South Dakota	1912	186	29	157
	1907	167	10	157
	1902	103	9	94
Nebraska	1912	363	97	266
	1907	354	98	256
	1902	220	77	143
Kansas	1912	305	96	209
	1907	258	75	183
	1902	259	23	236
SOUTH ATLANTIC:				
Maryland, Delaware, and District of Columbia.	1912	135	113	22
	1907	157	122	35
	1902	114	34	80
Virginia	1912	108	54	54
	1907	77	43	34
	1902	139	14	125
West Virginia	1912	139	55	84
	1907	171	48	123
	1902	180	27	153
SOUTH ATLANTIC—Continued.				
North Carolina	1912	115	65	50
	1907	70	50	20
	1902	125	7	118
South Carolina	1912	65	52	13
	1907	66	54	12
	1902	82	15	67
Georgia	1912	169	115	54
	1907	129	81	48
	1902	113	33	80
Florida	1912	52	10	42
	1907	29	8	21
	1902	38	8	30
EAST SOUTH CENTRAL:				
Kentucky	1912	278	175	103
	1907	255	166	89
	1902	203	96	107
Tennessee	1912	221	163	58
	1907	208	144	64
	1902	158	95	63
Alabama	1912	91	81	10
	1907	102	83	19
	1902	69	31	38
Mississippi	1912	156	134	22
	1907	137	116	21
	1902	95	64	31
WEST SOUTH CENTRAL:				
Arkansas	1912	138	100	38
	1907	129	42	87
	1902	123	19	104
Louisiana	1912	113	106	7
	1907	85	63	22
	1902	60	45	15
Oklahoma	1912	175	115	60
	1907	157	111	46
	1902	102	4	98
Texas	1912	522	279	243
	1907	445	193	252
	1902	334	118	216
MOUNTAIN:				
Montana	1912	92	47	45
	1907	45	32	13
	1902	32	19	13
Idaho	1912	84	68	16
	1907	89	51	38
	1902	33	28	5
Colorado	1912	164	158	6
	1907	144	130	14
	1902	96	80	16
New Mexico	1912	31	27	4
	1907	26	15	11
	1902	12	2	10
Arizona	1912	32	27	5
	1907	28	14	14
	1902	30	12	18
Utah and Wyoming	1912	74	65	9
	1907	80	65	15
	1902	36	35	1
Nevada	1912	27	5	22
	1907	23	11	12
	1902	11	8	3
PACIFIC:				
Washington	1912	211	119	92
	1907	223	173	50
	1902	140	135	5
Oregon	1912	122	77	45
	1907	175	155	20
	1902	118	99	19
California	1912	541	410	131
	1907	508	436	72
	1902	376	362	14

[1] The data for 1902 include all systems operating switchboards.

The total number of public exchanges or central offices reported for 1912 was about evenly divided between the two classes of systems. As the exchanges or centrals reported for 1902 included all systems operating switchboards, the number for "All other systems" reported at that census can not properly be compared with the corresponding figures for 1907 and 1912. The omission of the data for the systems with incomes of less than $5,000 also detracts from the value of the comparison between the Bell and other systems.

A public exchange or central office may contain a small switchboard where only a few lines connect, or it may be an extensive office affording intercommunication between thousands of subscribers. Therefore the number, if not accompanied by information in regard to the size of the exchanges, has little significance, but the relative importance of the exchanges in the different states can be approximated by comparing their number with the number of telephones.

Private-branch exchanges.—While the number of private-branch exchanges depends upon local conditions and is determined by factors entirely different from those governing the establishment of public exchanges, the numbers of private exchanges reported by the Bell and other systems at the different censuses are of interest. Data of this nature are shown in Table 31.

TELEPHONE SYSTEMS REPORTING ANNUAL INCOMES OF $5,000 OR MORE—NUMBER OF PRIVATE-BRANCH EXCHANGES, BY GEOGRAPHIC DIVISIONS AND STATES: 1912, 1907, AND 1902.

Table 31

DIVISION AND STATE.	TOTAL.			BELL TELEPHONE SYSTEM.		ALL OTHER SYSTEMS.	
	1912	1907	[1] 1902	1912	1907	1912	1907
UNITED STATES	52,651	28,276	7,883	45,387	24,702	7,264	3,574
GEOGRAPHIC DIVISIONS:							
New England	4,855	2,361	506	4,824	2,357	31	4
Middle Atlantic	26,301	15,215	4,532	22,966	14,207	3,335	1,008
East North Central	8,014	4,108	1,489	6,560	3,323	1,454	785
West North Central	4,532	2,245	406	3,190	1,456	1,342	789
South Atlantic	2,073	1,129	415	1,997	975	76	154
East South Central	633	537	111	393	325	240	212
West South Central	776	316	36	721	288	55	28
Mountain	862	341	33	832	284	30	57
Pacific	4,605	2,024	355	3,904	1,487	701	537
NEW ENGLAND:							
Maine	199	67	1	171	66	28	1
New Hampshire	65	19	1	65	19	.....	.....
Vermont	49	22	1	47	19	2	3
Massachusetts	3,451	1,793	408	3,450	1,793	1	.....
Connecticut and Rhode Island	1,091	460	95	1,091	460	.....	.....
MIDDLE ATLANTIC:							
New York	19,311	11,193	3,807	17,152	10,865	2,159	328
New Jersey	1,906	610	141	1,834	568	72	42
Pennsylvania	5,084	3,412	584	3,980	2,774	1,104	638
EAST NORTH CENTRAL:							
Ohio	2,099	1,338	447	1,445	868	654	470
Indiana	536	277	84	307	170	229	107
Illinois	4,008	1,753	771	3,580	1,673	428	80
Michigan	1,009	517	115	899	425	110	92
Wisconsin	362	223	72	329	187	33	36
WEST NORTH CENTRAL:							
Minnesota	1,133	853	208	531	438	602	415
Iowa	613	151	6	550	92	63	59
Missouri	2,012	943	174	1,435	686	577	257
North Dakota	57	30	.....	55	23	2	7
South Dakota	20	1	.....	20	1	.....	.....
Nebraska	437	183	17	351	165	86	18
Kansas	260	84	1	248	51	12	33
SOUTH ATLANTIC:							
Maryland, Delaware, and District of Columbia	1,575	867	373	1,575	774	.....	93
Virginia	118	74	8	117	71	1	3
West Virginia	109	63	17	62	32	47	31
North Carolina	37	17	.....	34	16	3	1
South Carolina	14	15	6	13	13	1	2
Georgia	188	74	11	167	65	21	9
Florida	32	19	.....	29	4	3	15
EAST SOUTH CENTRAL:							
Kentucky	357	329	92	136	148	221	181
Tennessee	164	154	16	153	130	11	24
Alabama	87	46	3	81	39	6	7
Mississippi	25	8	.....	23	8	2	.....
WEST SOUTH CENTRAL:							
Arkansas	60	12	.....	60	12	.....	.....
Louisiana	141	124	22	139	123	2	1
Oklahoma	140	57	.....	139	57	1	.....
Texas	435	123	14	383	96	52	27
MOUNTAIN:							
Montana	66	26	6	41	20	25	6
Idaho	43	16	.....	39	13	4	3
Colorado	508	180	24	508	180	.....	.....
New Mexico	18	4	1	18	4	.....	.....
Arizona	13	6	.....	13	6	.....	1
Utah and Wyoming	246	57	2	201	57	.....	45
Nevada	13	6	.....	12	4	1	2
PACIFIC:							
Washington	1,063	634	51	1,029	418	34	216
Oregon	605	153	19	509	153	96	.....
California	2,937	1,237	285	2,366	916	571	321

[1] Data not available to segregate figures for 1902. Statistics for this year cover all systems operating switchboards.

The Bell System reported the greater number—over four-fifths of the total—at both censuses. As this system operates in the larger cities where many private-branch exchanges are necessary, and the independents principally in the smaller cities and towns where fewer are required, the reason for this preponderance is apparent. The Bell System had private-branch exchanges in every state in 1912, but no independent exchanges of this character were reported for 12 states or for the District of Columbia.

CHAPTER V.

FINANCIAL STATISTICS.

Character of the statistics.—The statistics concerning the financial transactions of telephone companies collected for the census of 1912 were confined to the systems having annual incomes of $5,000 and over. Each company reported separately the principal items of income and expenses incident to its operation during the year, and furnished a balance sheet showing its financial condition at the end of the year. The amounts paid as salaries and wages to the various classes of employees were also reported separately.

There was no uniform system of accounting in use by all companies, and some found it difficult to furnish the data required by the census inquiries. As a rule, however, the reports were prepared in a satisfactory manner, estimates being furnished when exact amounts could not be obtained from records. The Interstate Commerce Commission promulgated a uniform system of accounts to become effective January 1, 1913, and it is possible that at the next census more complete financial statistics will be available.

As many of the telephone systems operate in more than one state, it was impossible to obtain separate statistics for the financial transactions in each state; therefore only the totals for the United States are shown.

Comparison with prior censuses.—In most of the tables presenting statistics for prior censuses the figures for 1907 have been readjusted so as to bring them into comparison with those for 1912. It was impossible, however, to readjust the figures for the census of 1902; therefore the data for that census are not strictly comparable with those for either 1907 or 1912. Table 32, however, gives the general totals for all systems at the census of 1902 in comparison with those for systems having annual incomes of $5,000 or more in 1907 and 1912. The net capital stock and funded debt are combined in this table to form the item of capitalization, which therefore does not include intercompany holdings, stocks and bonds of other telephone companies, or treasury securities.

Table 32 — TELEPHONE SYSTEMS REPORTING ANNUAL INCOMES OF $5,000 OR MORE—INCOME, EXPENSES, ASSETS, AND CAPITALIZATION.

	1912	1907	1902	Per cent of increase.		
				1902–1912	1907–1912	1902–1907
Income	$255,081,234	$176,700,408	$86,825,536	193.8	44.4	103.5
Expenses and fixed charges	203,754,909	135,475,177	65,164,771	212.7	50.4	107.9
Assets	1,298,599,485	943,519,301	476,359,895	172.6	37.6	98.1
Capitalization (net capital stock and funded debt)	948,829,883	722,647,075	372,218,407	154.9	31.3	94.1

While the figures for the different censuses given in this table are not strictly comparable, they indicate in a general way the increases in the financial transactions of the telephone systems of the country during the decade.

The income, assets, and capitalization of telephone companies for 1912 were almost three times as great as the amounts reported for 1902, and even a larger increase is shown for the expenses and fixed charges. This item, which includes interest, taxes, and depreciation charges, increased from $65,164,771 in 1902 to $203,754,909 in 1912, or 212.7 per cent. These figures, however, are not strictly comparable inasmuch as charges for depreciation were not reported separately for 1902, while for 1912 the item of expenses and fixed charges includes the sum of $40,755,657. It is quite probable that at the census of 1902 such charges were included to some extent as an operating or miscellaneous expense.

Capitalization.—The par values of the common and preferred stock and the funded debt, as well as the value of real-estate mortgages, floating debt, and cash investment, were reported as separate items of liability in the balance sheet. All these items should be considered in arriving at the capital invested in the telephone industry. The figures for the two groups of items are given in Table 33, for 1912 and 1907, and their sums may be accepted as representing the gross capital or investments at the close of those years for the companies and systems having annual incomes of $5,000 or more.

Table 33 — TELEPHONE SYSTEMS REPORTING ANNUAL INCOMES OF $5,000 OR MORE—CAPITAL

	1912	1907	Per cent of increase.
Capital stock and funded debt, total	$1,472,041,365	$1,016,312,203	44.8
Real-estate mortgages, floating debt, and cash investments	55,657,028	54,035,708	3.0
Total capital	1,527,698,393	1,070,347,911	42.7
Deduct intercompany holdings and treasury securities	523,211,482	293,665,128	78.2
Net capital	1,004,486,911	776,682,783	29.3
Deduct investments outside of telephone industry	62,090,435	25,255,951	145.8
Net capital invested in telephone industry	942,396,476	751,426,832	25.4

As shown by Table 29, the cash investment was reported only for non-Bell telephone systems, and amounted to $3,287,138 in 1912 and $2,583,833 in 1907. This item represents to a great extent the original investment in systems operated by individuals, firms, and partnerships.

In addition to cash investments the amount of floating debt and real-estate mortgages should be

considered in connection with capitalization. The floating debt reported amounted to $51,111,243 in 1912 and to $50,263,394 in 1907, the increase being 1.7 per cent. Of this amount the Bell System reported $38,536,087, or 75.4 per cent, for 1912 and $33,927,798, or 67.5 per cent, for 1907. The amount of real-estate mortgages was reported as $1,258,647 in 1912 and $1,188,481 in 1907, the increase being 5.9 per cent. The Bell System reported $100,550, or 8 per cent of the total, for 1912, and $340,900, or 18.1 per cent, for 1907.

A number of telephone companies have invested in the stocks and bonds of other telephone companies funds obtained from the sale of their own stocks and bonds. To ascertain the net capital invested in the telephone industry cognizance must be taken of such investments in stocks and bonds of other telephone companies, treasury securities, investments in stocks and bonds of companies other than telephone companies, and holdings in other permanent investments.

A duplication appears in the statistics of capitalization to the extent to which the securities of certain telephone companies are owned by other telephone companies. For this reason, in ascertaining the net capital chargeable to the telephone industry, the total amount represented by this duplication must be deducted from the total outstanding capital. Furthermore, some companies carry a part of their stocks and bonds in their treasuries as current assets. These stocks and bonds are regarded as issued and outstanding. They are in condition for negotiation and delivery without further action or authority on the part of the directors. Hence such treasury securities are to be deducted from the gross capital in determining the net capital.

A number of companies reported interests in stocks and bonds of concerns other than telephone companies, and many other investments of a permanent nature were also reported. The income from these investments is carried as separate items, hence the amount of such investments must be deducted from the gross capital to ascertain the net capital chargeable directly to the telephone industry.

Table 33 shows that the total capital of the telephone companies and systems that had annual incomes of $5,000 or more in 1912, irrespective of the character of ownership, amounted to $1,527,698,393. From this gross capital there should be deducted $501,476,067, the amount reported as intercompany holdings, and $21,735,415, the amount of company securities held in their treasuries, leaving $1,004,486,911 as the capital invested or in the hands of the public. Of this sum, $62,090,435 was invested outside of the telephone industry and therefore did not form a part of the industry proper. Upon the deduction of this amount there remains $942,396,476 as the net capital of the industry.

The net capital invested in the industry increased by 25.4 per cent during the five years from 1907 to 1912. The large increase in investments outside of the telephone industry, from $25,255,951 in 1907 to $62,090,435 in 1912, or 145.8 per cent, was due to the holding in the later year by the Bell Telephone System of large interests in the Western Union Telegraph Co.

Capital stock and funded debt.—Table 34 presents statistics of capitalization for all telephone systems operated under corporate ownership. There were 1,708 incorporated companies in 1912 and 1,478 in 1907. The par value of the capital stock and funded debt of such companies forms 96.4 per cent of the total capital shown in Table 33. These corporations also reported practically all of the intercompany holdings and investments outside of the telephone industry. The net capitalization invested in the industry is shown, as in Table 33, by deducting the total amount of these investments. The number of corporations reporting was not shown for 1902, but although the figures for that census are not strictly comparable with those for 1912 and 1907, the differences are not sufficient to have any serious effect on the totals, and they are therefore included in the table.

Table 34 — INCORPORATED TELEPHONE SYSTEMS REPORTING ANNUAL INCOMES OF $5,000 OR MORE—ANALYSIS OF CAPITALIZATION: 1912, 1907, AND 1902.

	Census.	Total.	Bell Telephone System.	All other systems.
Number of incorporated companies.	1912	1,708	176	1,532
	1907	1,478	175	1,303
Total capital (stock and bonds) outstanding.	1912	$1,472,041,365	$1,174,504,736	$297,536,629
	1907	1,016,312,203	749,840,435	266,471,768
	1902	487,060,895	372,300,773	114,760,122
Deduct intercompany holdings and treasury securities.	1912	523,211,482	492,181,436	31,030,046
	1907	293,665,128	258,189,989	35,475,139
	1902	124,780,830	114,842,488	[1] 9,938,342
Net capitalization of corporations.	1912	948,829,883	682,323,300	266,506,583
	1907	722,647,075	491,650,446	230,996,629
	1902	362,280,065	257,458,285	104,821,780
Deduct value of investments outside of telephone industry of the United States.	1912	62,090,435	61,194,984	895,451
	1907	25,255,951	25,090,795	165,156
	1902	24,187,349	24,187,349	.....
Net capitalization invested in telephone industry of the United States.	1912	886,739,448	621,128,316	265,611,132
	1907	697,391,124	466,559,651	230,831,473
	1902	338,092,716	233,270,936	104,821,780

[1] Includes also outside investments other than intercompany holdings, but of insignificant amount. Does not include treasury securities.

There were 56 incorporated mutual companies and 15 incorporated cooperative associations included in the 1,708 incorporated companies reported for 1912. The 1,478 companies shown for 1907 include 35 incorporated mutuals and 11 incorporated cooperative associations.

The capital stock and funded debt outstanding for all companies and systems having annual incomes of $5,000 or more increased from 1907 to 1912 by $455,729,162, or 44.8 per cent. From 1902 to 1907 the increase was $529,251,308, or 108.9 per cent. For the Bell System alone the increase was $424,664,301, or 56.6 per cent, for the former period, and $377,539,662, or 101.4 per cent, for the latter; for all other systems it was $30,064,861, or 11.3 per cent, and $151,711,646, or 132.2 per cent, respectively.

It is noticeable that in 1912 intercompany holdings and treasury securities represented more than one-third of the total stock and bonds outstanding. The bulk of such holdings was reported by the Bell System, although it did not report any treasury securities. The amount of intercompany holdings of this one system was more than two-fifths of its gross capitalization in 1912; in 1907 and 1902 it was practically one-third. A little more than 10 per cent of the gross capitalization of all other systems was invested in treasury securities and in the stocks and bonds of other telephone companies in 1912 and 1907, compared with 8.7 per cent in 1902.

To ascertain the amount of stocks and bonds which represent capital invested in the telephone business itself, it is necessary to deduct not only intercompany holdings but investments in nontelephone companies. The table shows that the investments in the securities of companies engaged in other industries increased by $36,834,484, or 145.8 per cent, during the five years from 1907 to 1912, while the net capital stock and funded debt invested in the telephone industry increased by $189,348,324, or only 27.3 per cent.

Table 35 is a further analysis of capital stock and funded debt compared, for the Bell System and for all other systems, as reported at both censuses.

Although it is possible to calculate the net capitalization based on the telephone business of the United States, it is not possible to distribute that net capitalization precisely among the different classes of securities. The total amount of intercompany holdings is available, but not the amount distributed according to classes of securities. Furthermore, while the investments of telephone companies in stocks or properties outside of the telephone business of the United States may properly be deducted from the total capitalization in order to ascertain the capitalization based on the telephone business of the United States, the amount of this deduction can not, of course, be taken out of any one class of securities, and although it would be possible to apportion this deduction among the classes of securities pro rata, the results would have little significance.

Table 35

	Census.	TELEPHONE SYSTEMS HAVING ANNUAL INCOMES OF $5,000 OR MORE—NET CAPITAL STOCK OUTSTANDING AND FUNDED DEBT: 1912 AND 1907.		
		Total.	Bell Telephone System.	All other systems.
Net capital stock and funded debt	1912	$948,829,883	$682,323,300	$266,506,583
	1907	722,647,075	491,650,446	230,996,629
Capital stock	1912	586,763,879	397,885,433	188,878,446
	1907	456,788,725	294,578,646	162,210,079
Funded debt	1912	404,530,236	295,872,053	108,658,183
	1907	301,333,489	197,071,800	104,261,689

Dividends and interest payments.—It is obvious that in considering the relation between dividends and interest payments and capitalization, it is necessary to show the entire amount of capitalization in the hands of the public and the entire amount of dividends or interest paid thereon, regardless of the question whether such capitalization represents the telephone business only or includes investments in other industries, or whether the dividends or interest are derived wholly from income from the telephone business or include revenue from other sources. The interest payments reported for 1912 include the amounts paid on floating debts and mortgages as well as on the funded debt. It is necessary, therefore, to combine these three classes of securities and compare the interest payments with the total. Such a comparison is made in the following statement for 1912 and 1907. Comparable figures are not available for 1902.

	1912	1907
Amount of funded and floating debt and mortgages [1]	$456,900,126	$352,785,364
Annual interest payment	$20,163,960	$15,935,395
Average rate of interest	4.41	4.52

[1] At end of year.

The figures for total dividends represent the gross payments less duplications due to intercompany payments, but without any deductions of income derived from outside sources. Table 36 shows the two classes of stock and of dividend payments; but for reasons already mentioned it is impossible, in the case of the independent companies, to exclude duplications due to intercompany holdings or payments from the figures for the several classes of securities and payments.

A notable feature of the telephone industry is that a large number of the small companies pay no dividends and have no outstanding funded debt upon which interest is paid. In Table 36 companies paying dividends are distinguished from those which do not. In this table it is impossible to exclude duplications due to intercompany holdings in the case of independent companies, but such duplications are excluded for the Bell companies. It will be understood that the statistics for companies yielding a return on capitalization covers the entire capital stock even though no dividends were paid.

In 1912 the total dividend payments of incorporated telephone companies on their common and preferred stock amounted to $34,120,809 and represented 5.9 per cent on the net capitalization of these companies. The percentage for the Bell System was 7.5, and for all other systems 2.3. These average rates, based on the outstanding capitalization, are more or less misleading, however, as no dividends were paid on a

large amount of both classes of stock. Of the 1,708 incorporated companies, only 808 paid dividends in 1912.

Table 36

CLASS OF STOCK.	INCORPORATED TELEPHONE SYSTEMS REPORTING ANNUAL INCOMES OF $5,000 OR MORE—COMMON AND PREFERRED STOCK, DIVIDEND AND NONDIVIDEND PAYING, WITH BELL SYSTEM INTERCOMPANY DUPLICATIONS EXCLUDED: 1912.		
	Total.	Bell Telephone System.	All other systems.
Common stock:			
Number of companies reporting	1,708	176	1,532
Dividend paying	808	71	737
Nondividend paying	900	105	795
Amount outstanding	$541,681,477	$384,308,933	$157,372,544
Dividend paying	$426,453,971	$372,595,815	$53,858,156
Nondividend paying	$115,227,506	$11,713,118	$103,514,388
Dividends—			
Amount	$32,255,125	$28,905,001	$3,350,124
Average rate per cent on dividend-paying stock	7.56	7.76	6.22
Preferred stock:			
Number of companies reporting	231	37	194
Dividend paying	161	21	140
Nondividend paying	70	16	54
Amount outstanding	$45,082,402	$13,576,500	$31,505,902
Dividend paying	$34,751,619	$13,440,150	$21,311,469
Nondividend paying	$10,330,783	$136,350	$10,194,433
Dividends—			
Amount	$1,865,684	$804,840	$1,060,844
Average rate per cent on dividend-paying stock	5.37	5.99	4.98

The average rate paid on common stock was 7.56 per cent and on preferred stock 5.34 per cent. The Bell System paid a 7.76 per cent dividend on 97 per cent of its outstanding common stock and almost 6 per cent on 99 per cent of the outstanding preferred stock. Non-Bell systems paid 6.22 per cent on 34 per cent of the common stock, and a 4.98 per cent dividend on 67 per cent of the outstanding preferred.

Income and expenses.—Each company with an annual income of $5,000 or more furnished the detailed statistics in regard to income and expenses given in Table 37. The Bell System, however, furnished a statement covering the operations of all its subsidiary companies as well as its long-distance service. This arrangement enabled the company to eliminate all duplication due to intercompany receipts and expenditures. There are small amounts of interest and dividends received by certain companies from other companies operating independently of the Bell System. The combination of these receipts and expenses necessarily results in duplication, but the amount is not sufficient to have any appreciable effect on the percentages based on the totals.

The gross income of the 1,916 companies and telephone systems for which statistics are included in this table amounted to $255,081,234. Of this total, 95.4 per cent was reported as receipts directly from telephone service. There was, however, $11,653,623 reported as derived from other sources of income, principally interest on investments and rents for lines, wires, and conduits.

Table 37

ACCOUNT.	TELEPHONE SYSTEMS REPORTING ANNUAL INCOMES OF $5,000 OR MORE—INCOME AND EXPENSES: 1912.	
	Amount.	Per cent of total.
Income, total	$255,081,234	100.0
From telephone business	243,427,611	95.4
Interest on bonds and dividends on stock of other telephone companies	857,619	0.3
Interest on bonds and dividends on stock of companies other than telephone companies[1]	3,507,347	1.4
From leased telephone lines, wires, and conduits	4,076,278	1.6
Real-estate rentals	464,949	0.2
Interest	1,698,777	0.7
Assessments	164,318	0.1
Miscellaneous	884,335	0.3
Expenses, total	203,754,909	100.0
General operation and maintenance	28,444,000	14.0
Salaries and wages	96,040,541	47.1
Rentals of instruments and apparatus	116,425	0.1
Rentals of offices and other real estate	2,280,545	1.1
Rentals of conduits and underground privileges	1,206,015	0.6
Payments for telephone traffic made to other companies	1,187,265	0.6
Miscellaneous	402,784	0.2
Taxes	12,411,516	6.1
Interest	20,163,960	9.9
Payments for use of leased lines	405,907	0.2
Depreciation charges	40,755,657	20.0
Sinking-fund charges	340,294	0.2
Net income	51,326,325	.....
Dividends declared during the year, total	34,120,809	100.0
On common stock	32,255,125	94.5
On preferred stock	1,865,684	5.5
Surplus	17,205,516	.....

[1] Includes income from other permanent investments.

The total expenses amounted to $203,754,909, making the net income available for dividends and surplus $51,326,325. The expenses of operation and maintenance, which include legal expenses and salaries and wages, form 61.1 per cent of the total expenses. Depreciation charges were not reported separately at prior censuses, and when reported were probably included in maintenance. There is no uniformity among the telephone companies as to the amounts charged annually to this item, but the amounts thus charged during 1912 aggregate $40,755,657 and form 20 per cent of the total expenses. Taxes and interest are the next most important items of expense, amounting to $32,575,476 and forming 16 per cent of the total. Of the net income, 94.5 per cent was paid as dividends on the common and 5.5 per cent on the preferred stock. After all expenses, fixed charges, and dividends were paid there remained $17,205,516 as a surplus.

The changes that were made in the methods of accounting during the period between the censuses of 1907 and 1912 seriously affect the comparability of some of the items in the income account. For example, the rental of instruments and apparatus was reported for 1907 as an expense amounting to $5,529,155, while the corresponding item for 1912 is $116,425. The total for 1907 very largely represented rentals on instruments paid by subsidiary companies to the parent company and was to that extent a dupli-

cation. This duplication was eliminated in preparing the reports for 1912. The item, "Rentals of offices and other real estate," reported for 1907, included the total real-estate expenses on both owned and rented property, together with estimated rentals on property owned and used by the reporting company, which were credited as "real-estate rentals." For 1912 this item includes only expenses paid others for use of offices and real estate. Under these conditions a comparison of the amounts reported for the separate items at the two censuses would be misleading. Therefore, in order to make a more satisfactory comparison, certain items reported separately at the two censuses have been combined in Table 38.

Table 38 — TELEPHONE SYSTEMS REPORTING ANNUAL INCOMES OF $5,000 OR MORE—INCOME AND EXPENSES.

	1912	1907	Per cent of increase.	Per cent of total. 1912	Per cent of total. 1907
Income, total	$255,081,234	$176,700,408	44.4	100.0	100.0
From telephone business, including assessments	243,591,929	167,148,389	45.7	95.5	94.6
From leased lines, wires, and conduits	4,076,278	2,403,650	69.6	1.6	1.4
All other income	7,413,027	7,148,369	3.7	2.9	4.0
Expenses, total	203,754,909	135,475,177	50.4	100.0	100.0
Operating expenses:					
Salaries and wages	96,040,541	65,009,349	47.7	47.1	48.0
All other	75,138,892	48,316,961	55.5	36.9	35.7
Taxes	12,411,516	6,213,472	99.8	6.1	4.6
Interest	20,163,960	15,935,395	26.5	9.9	11.8
Net income	51,326,325	41,225,231	24.5	.....	.....
Dividends declared during year, total	34,120,809	23,448,212	45.5	100.0	100.0
On common stock	32,255,125	21,753,565	48.3	94.5	92.8
On preferred stock	1,865,684	1,694,647	10.1	5.5	7.2
Surplus	17,205,516	17,777,019	3.2	.....	.....

This table shows that while the total income increased by 44.4 per cent, the expenses increased 50.4 per cent. There was very little change in the relative importance of the principal items of income and expense. The largest percentage of increase (99.9) is shown for taxes and the next largest (69.6 per cent) for income from leased lines, wires, and conduits. There was comparatively little change in the amount of dividends declared on preferred stock, but the amount paid on common stock increased 48.3 per cent.

Taxes.—The five different classes of taxes enumerated in Table 39 were reported separately for the majority of the companies. Some, however, carried but one tax account and charged to it all taxes paid during the year.

Table 39 — TELEPHONE SYSTEMS REPORTING ANNUAL INCOMES OF $5,000 OR MORE—TAXES.

	1912	1907	Per cent of increase.
Taxes, total	$12,411,516	$6,213,472	99.8
On real and personal property	7,950,325	3,272,385	143.0
On capital stock	1,147,188	778,027	47.4
Federal corporation tax	459,437	.....	.....
On earnings	2,437,078	1,307,957	86.3
Miscellaneous	417,488	855,103	51.2

The distribution of the total among the five classes for which separate figures are given in this table was necessarily attended by a certain margin of error. In some cases the taxes on capital stock included taxes which, while computed on outstanding stock, are based on plant, and therefore in reality are taxes on real and personal property and not on capital stock as such. Similarly, the taxes on earnings include commuted taxes in lieu of taxes on real and personal property, which might very properly be considered taxes on real and personal property. Furthermore, the amounts reported for the different items depend upon the construction given to the laws in the different states. All of these factors must be taken into account in any attempt to determine the amounts of the different kinds of taxes actually paid.

Relation of traffic to income and expense.—The census statistics were not collected with a view to making exact computations concerning the income and expenses per telephone or per message. The statistics necessarily include data for all systems, irrespective of the conditions under which these systems were operated, and the methods of bookkeeping are not uniform for all companies. Some companies charge to operating expenses certain items that are charged by others to capital account. A considerable proportion of the companies, especially the smaller ones, have very imperfect systems of accounting, and the data reported by them were not complete. In considering the income and expenses per unit, proper weight should be given to the different methods of charging for telephone service; but this is impossible in census statistics, in which the reports for many companies are combined, and, furthermore, the "per telephone" deductions are based on the number of telephones installed at the end of the year. For these reasons the computation of earnings and expenses per telephone or message, given in Table 40, should be accepted only as indicating, or approximating, the actual conditions.

Table 40 — TELEPHONE SYSTEMS REPORTING ANNUAL INCOMES OF $5,000 OR MORE—INCOME AND EXPENSE PER TELEPHONE AND PER MESSAGE.

	1912	1907
Average number of messages per telephone per year	1,875	2,120
Average gross income:		
Per telephone	$34.82	$36.01
Per message (cents)	1.857	1.699
Average earnings from operation—		
Per telephone	$33.25	$34.07
Per message (cents)	1.773	1.607
Average income from other sources—		
Per telephone	$1.57	$1.95
Per message (cents)	0.084	0.092
Average operating expense:		
Per telephone	$23.36	$23.10
Per message (cents)	1.246	1.090
Average deductions from income (taxes and fixed charges):		
Per telephone	$4.45	$4.51
Per message (cents)	0.237	0.213
Average net income:		
Per telephone	$7.01	$8.40
Per message (cents)	0.374	0.396
Average deduction from net income (dividends)—		
Per telephone	$4.66	$4.78
Per message (cents)	0.249	0.225
Average surplus:		
Per telephone	$2.35	$3.62
Per message (cents)	0.125	0.171

It is, in one sense, improper to calculate the average gross income per station or telephone—that is, to divide the total income of companies from all sources by the number of stations or telephones—since the gross income includes income from outside investments having nothing to do with the telephone traffic. Inasmuch, however, as the deductions from the net income (the dividends and the surplus) are derived from the gross income from all sources and not from the earnings from operation alone, it is necessary, if any calculation of the amounts of these various items per station or per message is to be made, to compute similarly per station or per message the total income from which these items are derived. Since the difference between the gross income and the earnings from operation is comparatively slight, this distribution does show, with approximate accuracy, what part of the amount paid by the public for the use of a telephone per year and what part of the amount paid per message are used for the different purposes indicated.

The average number of messages per telephone per year shows a considerable decrease from 1907 to 1912. The average for earnings from operation also decreased, while the average for operating expenses increased, whether measured by the telephone unit or by the message unit. While for the reasons already stated the averages in the table should not be accepted as exact, the decrease in the income and increase in expenses per telephone and per message are in harmony with the generally accepted understanding of actual conditions. The increase in the number of telephones operated under the measured system of payment and the improvements in business methods are the principal factors leading to these results.

The income and operating expenses per unit vary greatly for different states, being, in general, high for the states containing the large cities and districts of high telephone density.

Balance sheet.—The balance sheets are supposed to show the financial condition of the companies at the end of the year or other periods covered by the reports. It was manifestly not within the province of the bureau to question the accuracy of these statements or to endeavor to ascertain whether the proper amounts had been reported for the assets and liabilities. Undoubtedly differences in methods of bookkeeping are reflected in the balance sheets, and it is probable that part of the assets recorded for some companies are of questionable value. It is seldom, however, that a company underestimates the value of its assets, and therefore the combination of the balance sheets for the different companies doubtless results in larger totals than would be obtained from a conservative valuation of the properties.

The statements furnished by all companies reporting incomes of $5,000 or more at the censuses of 1912 and 1907 are combined in Table 41.

Table 41 TELEPHONE SYSTEMS REPORTING ANNUAL INCOMES OF $5,000 OR MORE—BALANCE SHEET, EXCLUDING BELL SYSTEM INTERCOMPANY HOLDINGS.

	1912	1907	Per cent of increase.[1]	Per cent of total.	
			1907–1912	1912	1907
Total assets or liabilities	$1,295,670,101	$940,357,998	37.8	100.0	100.0
ASSETS.					
Cost of construction and equipment	1,081,433,227	794,096,971	36.2	83.5	84.4
Stocks and bonds of other telephone companies	20,728,817	16,041,132	29.2	1.6	1.7
Stocks and bonds of companies other than telephone companies	61,516,908	25,090,795	145.2	4.7	2.7
Treasury securities (stocks and bonds)	21,735,415	19,434,007	11.8	1.7	2.1
Other permanent investments	573,527	165,156	247.3	(2)	(2)
Cash and current assets	96,618,255	82,963,172	16.5	7.5	8.8
Stock and bond discounts	10,265,438	(3)	.....	0.8	(3)
Sinking and other special funds[4]	2,798,514	2,566,765	9.0	0.2	0.3
LIABILITIES.					
Capital stock and funded debt[5]	991,294,115	758,122,214	30.8	76.5	80.6
Real-estate mortgages	1,258,647	1,188,481	5.9	0.1	0.1
Floating debt (loans and notes)	51,111,243	50,263,394	1.7	3.9	5.3
Cash investments (for unincorporated systems)	3,287,138	2,583,833	27.2	0.3	0.3
Reserves	148,818,981	38,991,858	281.7	11.5	4.1
Accounts payable	19,373,744	22,936,628	−15.5	1.5	2.4
Interest and taxes, due and accrued	9,744,993	6,033,464	61.5	0.8	0.7
Dividends due	7,775,898	5,822,446	33.6	0.6	0.6
Sundries	2,234,721	6,210,884	−64.0	0.2	0.7
Net surplus	60,771,621	48,204,796	26.1	4.7	5.1

[1] A minus sign (−) denotes decrease.
[2] Less than one-tenth of 1 per cent.
[3] Not reported separately.
[4] Includes "Sundries."
[5] Excluding intercompany holdings of the Bell Telephone System.

This balance sheet includes the duplication in assets and liabilities referred to in connection with Table 33, which can be eliminated by deducting the value of "stocks and bonds of other telephone companies."

Assets.—The cost of construction and equipment includes the total cost of all telephone systems at the end of the year covered by the reports, including the cost of real estate, telephone instruments, telephone cabinets, control desks, etc., either in use or on hand, if owned by the reporting company. The capitalized franchise values if considered as a part of the cost of construction were included. The item, therefore, represents the book value of the telephone companies' equipment and real estate, and their capitalized franchise value, bonus, good will, etc. The total amount reported as cost of construction and equipment increased by 36.2 per cent during the five years from 1907 to 1912. It formed 83.9 per cent of the total assets reported for 1907, as compared with 84.4 per cent for 1912.

Cash and current assets, including supplies, form the next most important of assets, representing 7.5 per cent of the total for 1912, as compared with 8.8 per cent for 1907. The item of treasury securities, which amounted to $21,735,415 for 1912, is composed of stock to the value of $7,869,987 and bonds valued at $13,865,428.

Liabilities.—The total capital stock and funded debt, including the duplications due to the purchase

by certain telephone companies of the stocks and bonds of other companies, amounted to $991,294,115 in 1912, as compared with $758,122,214 in 1907, an increase of 30.8 per cent. This item formed 76.5 per cent of the total liabilities in 1912, as compared with 80.6 per cent in 1907.

Reserves amounting to $148,818,981 in 1912 formed the next most important item of liabilities. This item constituted 11.5 per cent of the total liabilities in 1912 and 4.1 per cent in 1907, and increased by 281.7 per cent during the period. The net surplus, which amounted to $60,777,621 in 1912 and $48,204,796 in 1907, is obtained by deducting the deficit of companies reporting a deficit from the surplus of those reporting a surplus.

EMPLOYEES, SALARIES, AND WAGES.

All telephone companies and systems having annual incomes of $5,000 or more were required to report the numbers of the several classes of employees that were on their rolls on September 16, 1912, together with the amount of salaries or wages paid each class during the year. If the data for September 16 were not available, they were required to report the number for the nearest representative date. All regular officers and employees, whether engaged in operation, maintenance, canvassing, or collecting, or otherwise employed, were included. If any persons were employed only a portion of the time in the telephone service, the report was to include only the wages paid in connection with that service. The general superintendents or other heads of departments if considered as salaried officials of corporations were reported as such, but employees engaged exclusively in additions or extensions to the systems were not included. Overseers and foremen performing work similar to that done by men over whom they had charge were included with wage earners, but those whose duties were wholly supervisory were reported as salaried employees. The statistics are summarized in Table 42.

TELEPHONE SYSTEMS REPORTING ANNUAL INCOMES OF $5,000 OR MORE—EMPLOYEES, SALARIES, AND WAGES: 1912, 1907, AND 1902.

Table 42	1912	1907	1902	PER CENT OF INCREASE.[1]		
				1902-1912	1907-1912	1902-1907
Employees, total:						
Number	[2] 183,361	131,670	78,752	132.8	39.3	67.2
Salaries and wages	$96,040,541	$65,009,349	$36,255,621	164.9	47.7	79.3
Salaried employees—						
Number	38,753	22,819	14,124	174.4	69.8	61.6
Salaries	$32,681,482	$18,542,619	$9,885,886	230.6	76.2	87.6
Wage earners—						
Total average number	144,608	108,851	64,628	123.8	32.8	68.4
Total wages	$63,359,059	$46,466,730	$26,369,735	140.3	36.4	76.2
Operators—						
Average number	96,332	72,518	39,858	141.7	32.8	81.9
Wages	$32,474,093	$22,636,671	$10,765,098	201.7	43.5	110.3
Men—						
Average number	1,972	2,457	2,525	−21.9	−19.7	−2.7
Wages	$870,671	$942,455	$729,666	19.3	−7.6	29.2
Per cent of total operators	2.0	3.4	6.3	.....	.....	.....
Women—						
Average number	94,360	70,061	37,333	152.8	34.7	87.7
Wages	$31,603,422	$21,694,216	$10,035,432	214.9	45.7	116.2
Per cent of total operators	98.0	96.6	93.7	.....	.....	.....
All other wage earners—						
Average number	48,276	36,333	24,770	94.9	32.9	46.7
Wages	$30,884,966	$23,830,059	$15,604,637	97.9	29.6	52.7

[1] A minus sign (−) denotes decrease.

[2] Number employed Sept. 16, 1912.

The totals for 1902 shown in this table are not strictly comparable with those for 1907 and 1912, because they include the employees of systems having annual incomes of less than $5,000. It is believed, however, that the number thus included is not large enough to have a perceptible effect upon the percentages of increase. There were 183,361 salaried and other persons employed by the telephone systems of the United States during 1912, an increase of 132.8 per cent over the number reported for 1902. Amounts paid annually in salaries and wages increased from $36,255,621 in 1902 to $96,040,541 in 1912, or 164.9 per cent. During the same period the number of operators increased from 39,858 to 96,332, or 141.7 per cent, and the wages paid to them during the year from $10,765,098 to $32,474,093, or 201.7 per cent.

The increase in the number of female operators and in the wages paid is noteworthy. In 1902 there were but 37,333 women employed as operators; in 1912 there were 94,360, an increase of 152.8 per cent. During the same period the wages paid this class of operators increased from $10,035,432 to $31,603,432, or 214.9 per cent. The proportionate increase in wages, therefore, was greater by 62.1 per cent than the increase in the number employed. The number of male operators has decreased at each census, and in 1912 it formed but 2 per cent of the total number of operators, as compared with 6.4 per cent in 1902.

CHAPTER VI.

TELEPHONE EXCHANGE RATES.

A comprehensive treatment of telephone rates would involve the collection of a great many data and the careful consideration of the conditions affecting each telephone system as regards both its construction and its operation. An investigation of this kind would be of such magnitude as to make it impracticable in connection with the work of a general census. However, the demand for information on this subject has been so great that it was determined at the 1912 census of telephones to include some data of this character, although no attempt had been made at prior censuses to collect such statistics. Accordingly, schedules of rates for telephone service at 252 exchanges in the larger cities have been collected and are presented in this report. It should be understood, however, that the rate statistics herein given do not constitute a sufficient basis for a treatise on telephone exchange rates, inasmuch as the rates under any particular exchange system are the results of varying factors, while in some instances no statistics are obtainable. No attempt has been made to take into account or even to enumerate the peculiar conditions affecting the several systems represented or to make any deductions as to the equity of the rates. No conclusions, therefore, should be drawn from comparisons of the rates in one city with those in other cities without careful study of all the factors which enter into the establishment of the rate schedules and a comprehensive knowledge of the local conditions in each case.

In this connection it may be of interest to note a few of the more important factors to be borne in mind in the comparison of telephone exchange rates. At least two general considerations must be taken into account: First, the gross revenue which must be obtained for defraying the expenses of conducting the business and paying a reasonable return upon the capital actually and necessarily invested, and, second, the commercial and social conditions obtaining in the territory served. Conditions affecting the construction, operation, and maintenance of telephone systems have been changing continually since the inception of the industry. Improvements in instruments and equipment have followed each other in quick succession, and with the older systems an enormous amount of reconstruction and reequipment has been necessary in order to keep the service up to date. Furthermore, the cost of plants per unit of telephone service varies with the extent of the areas covered by the systems, with the density of the telephone development, with the number of telephones installed, with the number of central offices required to serve the locality, with the requirements as to the placing of wires underground, with the character of the pavement which must be replaced when the wires are put underground, and with the prices of labor and materials. Any variation in the cost of providing the necessary plant for a telephone exchange must, of course, be reflected in the amount of gross revenue required, through the amount of depreciation, the cost of maintenance, and the return on the capital invested. One item of particular interest as regards maintenance expenses, and one which affects in an important way the amount of revenue that must be obtained, is that of installing and removing telephones. This is an important factor in the cost of telephone service, and one in which there is a great variation in different cities in the country. In some cities where the population is stable in character the average life of a telephone installation is much longer than in other cities whose population appears to be of the same character.

The following excerpt from the report of the special committee of the Merchants' Association of New York, appointed to inquire into the telephone service and rates in New York City, presents the views held by a large number of representative business men as to what constitutes a "reasonable margin of profit:"

> That the telephone business demands a continuous accession of fresh capital to satisfactorily serve the public. Having in view the importance to the public of constant improvement and expansion and the greatest possible efficiency of telephone service, as well as the necessity of offering an attractive investment to new capital to provide for such expansion, it is the opinion of this committee that to provide a fair return on capital actually and necessarily invested, and a proper allowance for contingencies, 10 per cent margin above operating outlays is a reasonable and proper margin in the telephone business. In the various movements hitherto made for the limitation by law of telephone profits, wherever the permissible percentage of profit has been dealt with, this margin has been accepted as a proper one. It has also been specified by law in the case of some other public-service corporations. This conclusion was acceded to by the New York Telephone Co., and it was therefore agreed that the rates should be so readjusted as to produce a net revenue of approximately 10 per cent on the actual capital necessarily invested in the business.

Commercial and social conditions—the second general class of factors responsible for differences in rates—vary widely in different communities, and therefore render rate comparison difficult. It is well known that the proportion of illiterates, the proportion of foreign born, the average income of the inhabitants, commercial and social activity, and topographical conditions differ very widely in various communities of the same size and that these differences are naturally reflected in the character and volume

of telephone service in such a manner as to affect rates.

There are also some factors of a commercial and social character of such peculiar importance in connection with telephone rates that in exchanges of the same size and of the same general character a particular schedule of rates will be remunerative where these factors are present and will result in a deficit where they are absent. By reason of the presence or absence of these factors, the proportions of business and of residence subscribers vary widely, and the local demand for particular types of service, such as high-grade individual-line service and lower grade 4-party or 10-party service, is more or less unstable in the same community, with resulting variations in revenues and in costs.

The extent to which the patrons of a telephone exchange use interurban or long-distance service has an important bearing on exchange rates. In connection with every interurban message the plant and operating force of the exchange are used, and where the company operating the exchange does not own the interurban line, a commission is received for the services of the local exchange. Where the same company owns both the local system and the interurban lines, it is customary to credit the exchange with a portion of the toll revenue. As a part of the commission, or credit, as the case may be, covers the use of a large portion of the plant, the amount and character of which do not vary with the volume of interurban traffic, the quantity of such traffic naturally has an important relation to the exchange rates. The volume of interurban traffic originating in various exchanges of the same size and character may vary widely under different commercial, social, and topographical conditions, particularly as regards the proximity, size, and character of the surrounding cities and towns.

Other differences in commercial and social conditions have been responsible for the adoption of message-rate schedules in some exchanges and the retention of flat-rate schedules in others, a fact which renders the comparison of rates particularly difficult, since the average revenue from a message-rate service depends very largely upon the number of messages sent by the subscriber. The difficulty of comparison is, moreover, increased by the fact that, other conditions being equal, the use of message-rate schedules tends to decrease the cost of furnishing telephone service, since such rates, usually, automatically result in a reduction of traffic through the elimination by subscribers on their own initiative of numerous incidental or frivolous calls.

The extent of what is known as the "local-service area"—that is, the area throughout which subscribers may talk without payment of toll charges—has such an important bearing on exchange rates that comparisons of rates in different communities are of doubtful value. In many cases two or more complete schedules are available to subscribers in the same locality, the difference between the schedules relating solely to the extent of the "local-service area." An extreme example of this kind is given in the schedules shown herein for Boston and vicinity (p. 64). These schedules were adopted on the recommendation of the Massachusetts Highway Commission in 1910, and illustrate the very large range of service and rates available to subscribers in metropolitan Boston. These schedules show also that a comparison of Boston rates with those in other cities is virtually impossible.

In many cases the rate schedules are designed to meet the requirements of subscribers over a very large area. These requirements vary with the kind of equipment, the type of line, the quality and scope of the service, and the subscriber's location. Schedules for the same class of service also vary within an area of continuous development in accordance with the size of the central office or because of essential differences in traffic conditions which fundamentally relate to costs.

It is readily seen from the foregoing statement of conditions that it is impracticable to show in a single tabular statement the important variations occurring in a considerable number of rate schedules. For this reason, and because of the impracticability of collecting such information, the following schedules are shown, as previously stated, in the form in which they were submitted by the several systems represented, without any attempt at analysis or comparison.

TELEPHONE RATE SCHEDULES.

INDEX.

CITY.	Page.
ALABAMA:	
Birmingham	63
Mobile	103
ARKANSAS:	
Little Rock	96
CALIFORNIA:	
Los Angeles	97
Oakland	114
Pomona	124
Sacramento	132
San Diego	136, 137
San Francisco	137
COLORADO:	
Denver	78
CONNECTICUT:	
Bridgeport	67
Hartford	87
New Britain	108
New Haven	108
Waterbury	151
DELAWARE:	
Wilmington	154
DISTRICT OF COLUMBIA:	
Washington	150
FLORIDA:	
Bartow	60
Bradentown	67
Clearwater	75
Jacksonville	90
Lakeland	94
Plant City	123
Port Tampa	126
Tampa	146
Tarpon Springs	146
GEORGIA:	
Atlanta	56, 57
Savannah	138
ILLINOIS:	
Alexander	54
Alton and Belleville	55
Aurora	59
Batavia	61
Big Rock	62
Bloomington	64
Bluffs	64
Carrollton	71
Chicago	73, 74
Coleta	77
Collinsville	77
Crete	77
Dundee	80
East St. Louis (see St. Louis, Mo.).	
Elburn	80
Elgin	80
Frankfort	85
Freeburg	85
Galesburg	85
Granite City	86
Greenfield	86
Hampshire	86
Hillview	88
Jacksonville	90
Joliet	92
Kaneville	92
Lily Lake	96
Lockport	96
Manchester	100
Monee	104
ILLINOIS—Continued.	
Murrayville	105
Naperville	105
New Athens	106
Patterson	118
Peoria	119
Peotone	120
Plainfield	123
Roodhouse	132
Springfield	143
Sugar Grove	144
White Hall	152
Woodson	155
INDIANA:	
Evansville	82
Fort Wayne	84
New Albany	106
South Bend	142
Terre Haute	146
IOWA:	
Des Moines	78
Sioux City	142
KANSAS:	
Emporia	81
Kansas City	92, 93
Wichita	152
KENTUCKY:	
Covington (see Cincinnati, Ohio).	
Lexington	96
Louisville	98, 99
Paducah	116
LOUISIANA:	
New Orleans	109
MAINE:	
Portland	124
MARYLAND:	
Baltimore	59
MASSACHUSETTS:	
Boston (Cambridge and Somerville)	64
Brockton	68
Cambridge (see Boston).	
Fall River	83
Holyoke	88
Lawrence	95
Lowell	99
Lynn	99
New Bedford	107
Somerville (see Boston).	
Springfield	143
Worcester	155
MICHIGAN:	
Bay City	61
Cadillac	70
Detroit	79
Grand Rapids	85
Holland	88
Lansing	95
Saginaw	133
Traverse City	147
MINNESOTA:	
Albert Lea	54
Badger	59
Barnum	60
Braham	67
Brook Park	68
Cambridge	70
MINNESOTA—Continued.	
Duluth	79, 80
East Grand Forks	80
Faribault	84
Foley	84
Forest Lake	84
Glenville	85
Graceville	85
Hinckley	88
Isanti	89
Lindstrom	96
Litchfield	96
Milaca	102
Minneapolis	103
Moose Lake	104
Mora	104
North Branch	114
Ogilvie	115
Ortonville	116
Pine City	121
Princeton	126
Rush City	132
St. Paul	135
Thief River Falls	146
White Bear	152
MISSISSIPPI:	
Hattiesburg	88
Jackson	89
Meridian	102
MISSOURI:	
Kansas City	92, 93
St. Charles	133
St. Joseph	133
St. Louis (and East St. Louis, Ill.)	134
Valley Park	150
NEBRASKA:	
Beatrice	62
Hebron	88
Lincoln	96
Omaha	115
Red Cloud	129
NEW HAMPSHIRE:	
Manchester	100
NEW JERSEY:	
Atlantic City	58
Bayonne (Hoboken and Jersey City)	61
Camden	70
Elizabeth	80
Hoboken (see Bayonne).	
Jersey City (see Bayonne).	
Newark	106
Passaic	116
Paterson	117
Trenton	147
NEW YORK:	
Albany	53
Avoca	59
Batavia	61
Binghamton	62
Buffalo	68, 69
Dunkirk	80
Gasport	85
Lockport	97
Medina	101
Middleport	102
Montour Falls	104
Naples	105
New York	109
Niagara Falls	113
Prattsburg	126
NEW YORK—Continued.	
Pulteney	127
Rochester	130, 131
Schenectady	139
Syracuse	144
Tonawanda (and North Tonawanda)	147
Troy	148
Utica	149
Warsaw	150
Yonkers	155
NORTH DAKOTA:	
Grand Forks	85
OHIO:	
Akron	53
Alliance	55
Canton	71
Cincinnati (and Covington, Ky.)	74
Cleveland	75, 76
Columbus	77
Toledo	147
Youngstown	156
OKLAHOMA:	
Oklahoma City	115
OREGON:	
Portland	124, 125
PENNSYLVANIA:	
Allentown	54, 55
Altoona	55, 56
Erie	81, 82
Harrisburg	86, 87
Johnstown	91
Lancaster	94
Philadelphia	120, 121
Pittsburgh	121
Reading	128, 129
Scranton	140, 141
Wilkes-Barre	152, 154
RHODE ISLAND:	
Pawtucket	118
Providence	126
SOUTH CAROLINA:	
Charleston	71
TENNESSEE:	
Chattanooga	72
Memphis	101
Nashville	105
TEXAS:	
Dallas	77
Fort Worth	84
Houston	89
San Antonio	136
UTAH:	
Salt Lake City	135
VIRGINIA:	
Norfolk	113
Richmond	129
WASHINGTON:	
Seattle	141
Spokane	142
Tacoma	145
WISCONSIN:	
Frederick	85
Grantsburg	86
Milwaukee	102

TELEPHONE RATE SCHEDULES.

AKRON, OHIO.

NET ANNUAL EXCHANGE RATES OF THE AKRON PEOPLE'S TELEPHONE CO. IN EFFECT JUNE 30, 1911.

[The local service area includes Akron, Barberton, Cuyahoga Falls, and Tallmadge.]

Individual and party-line automatic service:
- Business, individual line $42.00
- Business, party line 30.00
- Residence, individual line 30.00
- Residence, 2-party line (within 1 mile) 18.00
- Residence, 2-party line (1 to 1½ miles), selective 20.00
- Residence, 4-party line (within 1 mile) 18.00
- Residence, 4-party line (1 to 1½ miles) 20.00
- Business extension station, within 50 feet of main station and in same building, $8; more than 50 feet or in another building, according to distance and conditions.
- Residence extension station, within 50 feet of main station and in same building, $6; more than 50 feet or in another building, according to distance and conditions.

Rural-line service:
- Business, 8-party line, semiselective $30.00
- Residence, 10-party line, nonselective 18.00
- Residence, 8-party line, semiselective—$18 basis; $2 each one-half mile or fraction, extra radius.
- Residence, 4-party line, full selective (automatic)—$18 basis; $3 each one-half mile or fraction, extra radius.

Private branch exchange service:
- Trunk lines (according to distance) ..... $42.00 to 54.00
- Switchboard 12.00
- Station (individual, within 300 feet of switchboard) 12.00

Contracts:
- For short-term service, 6 months or less than 1 year, one and one-half rate; 3 months, or less than 6 months, twice regular rate.

Change of location:
- For change of location when the new location is within reasonable distance of the company's existing plant equipment, maximum charge, $2.
- For interior change of location of individual instruments, a charge of cost to the company is made.
- For breakage due to causes other than natural wear and tear, a charge is made equal to the cost of broken parts.

Directory service:
- Extra names are listed at $5 per annum, in case the application for such extra name listing is a cohabitant in the residence or offices of a regular subscriber.

ALBANY, N. Y.

NET ANNUAL EXCHANGE RATES OF THE NEW YORK TELEPHONE CO. IN EFFECT AUG. 20, 1914.

[The local service area includes Albany, Delmar, East Greenbush, Glenmont, Guilderland, Karner, Londonville, Newtonville, Rensselaer, and Slingerlands.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Both-way auxiliary line.	Extension station.
Business	$60.00	$48.00	.....	$45.00	$6.00
Residence	36.00	30.00	$24.00	27.00	6.00

Message rates (business only).

Local messages per annum.	Individual line.	Additional local messages (cents).	Extension station.
600	$36.00	4	$6.00
800	42.00	4	
1,000	48.00	4	
1,200	[1] 54.00	4	

[1] Additional messages, 3 cents each if contracted for in advance in lots of 200.

Rural-line service:
- Business $30.00
- Residence 24.00

No. 1 private branch exchanges:
- Commercial and department store.—Flat rates (contracts are not accepted for less than two stations, excluding operators' telephones)—
  - Switchboard, cordless, with battery power and an operator's telephone. $18.00
  - Switchboard, cord, with battery power and an operator's telephone for each position—
    - First position $36.00
    - Additional positions, each 24.00
  - First trunk line, both-way only 60.00
  - Additional trunk lines, both-way only, each 45.00
  - Stations, main or extension, each 6.00
  - Ringing circuit (no additional charge if subscriber contracts for either 3 trunk lines or 20 stations) 18.00
- Hotel and apartment house—Message rates—
  - Switchboard, with battery power and an operator's telephone for each position 36.00
  - Stations, main or extension, each (no charge for stations, including booth equipment, placed in public corridors for the use of the general public) 6.00
  - Trunk lines, both-way only, no additional charge.
  - Local messages, each, public telephone rate.
  - Ringing circuit (no additional charge if subscriber contracts for either 3 trunk lines or 20 stations) 18.00

ALBANY, N. Y.—Continued.

No. 2 private branch exchanges (an installation charge is made to cover the cost of construction of circuits between stations, including labor and material):
- Business—Flat rates and message rates—
  - Trunk lines, both-way only, each: Independent line rate less $6. (Under message-rate contracts the charge for the initial trunk line includes the right to send in one year the number of local messages specified under the individual line schedule, with charges for additional local messages as provided in said schedule.)
  - Stations with switching device, each:
    - Equipped for 10 lines $12.00
    - Equipped for 20 lines 15.00
    - Equipped for 30 lines 18.00
  - Stations, without switching device, each 6.00

No. 1 residence system (an installation charge is made to cover the cost of construction of circuits between stations, including labor and material):
- Flat rates—
  - Trunk lines, both-way only, each $30.00
  - Stations, with switching device, each—
    - Equipped for 10 lines 12.00
    - Equipped for 20 lines 15.00
    - Equipped for 30 lines 18.00
  - Stations, without switching device, each 6.00

Short-term service:
- Individual and party lines—
  - *Flat rates.*—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than one year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for one month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Message rates.—When the number of messages under a message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.

Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in one year.

ALBANY, N. Y.—Continued.

Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

Private branch exchanges:

Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.

Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.

Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.

Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals, or exceeds, the minimum specified in the schedule the charge is the contract rate for the messages used, as though such messages were used in one year.

Excess exchange line mileage (charges are computed on route measurement beyond the base rate area):

Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof..... $6.00
Two-party line, per station, per quarter-mile or fraction thereof..... 3.50
Four-party line, per station, per quarter-mile or fraction thereof..... 2.00

Extension and tie-line mileage (charges are computed on route measurement), per quarter-mile or fraction thereof, $6.

Extra directory listings, business or residence, $3.

Moving charges:

Individual or party line, main or extension station or No. 1 private branch exchange station—

Inside move..... No charge.
Outside move, during first year or within one year from last free move—
Main station moved independently..... $3.00
Main station moved in conjunction with and to same address as switchboard..... 1.00
Extension station moved independently of main station..... 3.00
Extension station moved in conjunction with and to same address as main station..... 1.00

Private branch exchange switchboards—

Inside move during first year or within one year from last free move—

	Same room.	Another room.
Cordless, 10 lines or less	$5.00	$8.00
Cord board, 40 lines or less	10.00	18.00
Cord board, over 40 lines	Estimated cost.	

Outside move during first year or within one year from last free move—

Cordless, 10 lines or less..... $10.00
Cord board, 40 lines or less..... 18.00
Cord board, over 40 lines..... Estimated cost.

No. 2 private branch exchanges and No. 1 residence systems: First or subsequent years, estimated cost.

ALBERT LEA, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Individual and party-line service:

	Individual line.	Party line.	Extension station.
Business	$24.00	$21.00	$6.00
Residence	15.00	12.00	.....

Rural station..... $12.00
Connecting telephone companies, $4 per year per station.

ALEXANDER, ILL.

NET ANNUAL EXCHANGE RATES OF THE ILLINOIS TELEPHONE CO. IN EFFECT DEC. 31, 1914.

Business..... $18.00
Business with extension on same line in same building..... 27.00
Residence..... 18.00
Residence with extension on same line in same building..... 27.00

ALLENTOWN, PA.

NET ANNUAL EXCHANGE RATES OF THE BELL TELEPHONE CO. OF PENNSYLVANIA IN EFFECT AUG. 20, 1914.

[The local service area includes Allentown and 23 surrounding localities.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Both-way auxiliary line.	Extension station.
Business	$48.00	$42.00	$36.00	$36.00	$6.00
Residence	36.00	30.00	24.00	.....	6.00

ALLENTOWN, PA.—Continued.

Individual and party-line service—Continued.

Message rates (business only).

Local messages per annum.	Individual line.	Additional local messages (cents).	Extension station.
600	$30.00	4	$6.00
800	36.00	4	.....
1,000	42.00	4	.....
1,200	48.00	4	.....

Additional messages $3 per 100, if contracted for in advance.

Rural-line service:

Business..... $36.00
Residence..... 24.00

No. 1 or No. 2 private branch exchange service:

Business or residence—Flat rates—

Switchboard and an operator's telephone or receiving station and switching devices, with battery power..... $30.00
First both-way trunk line business..... 48.00
Additional both-way trunk lines, business, each..... 36.00
Trunk lines, both-way, residence, each..... 36.00
Stations, main or extension, each..... 6.00
Ringing power.—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.

Business or residence—Message rates—

Switchboard and an operator's telephone, or receiving station and switching devices, with battery power..... $24.00
Trunk lines, both-way, each..... 24.00
Stations, main or extension, each..... 6.00
Local messages, guarantee 1,200, each..... 0.03
Additional local messages, each..... 0.04
If contracted for in advance, in lots of 100, each..... 0.03
Ringing power.—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.

Hotel—Message rates (contracts are not accepted for less than 20 stations, excluding operators' telephones)—

Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, $24.

Trunk lines, both-way only, no additional charge. (For flat-rate trunk lines, see the following paragraphs.)

Stations, main or extension, each, $6. (No additional charge is made for the stations and booth equipment installed in public corridors for the use of the general public.)

Local messages.—The subscriber, as the company's agent, charges patrons the regularly established public-telephone rates for all local and toll messages and receives a commission on all charges for local and toll messages originating at the private branch-exchange system.

See hotel-message rates—With flat-rate trunk lines—

Flat-rate trunk lines may be connected with hotel message-rate private branch exchanges for use in connection with flat-rate business stations, which may be provided only for the use of officials and employees of the hotel. Under such an arrangement the flat-rate trunk lines terminate on special cords, the plugs of which do not fit the message-rate station jacks. Stations which are to have flat-rate service are equipped with two jacks to permit connections with either the flat-rate or message-rate trunk lines, and with any other private branch-exchange station. Flat-rate trunk lines are not listed in directory.

Flat-rate trunk lines are charged for at the rates given under the standard schedules for business flat-rate private branch exchange service. The charges for the switchboard and for those stations which are equipped for connection with the flat-rate trunk lines are equal to the sum of the respective standard rates which regularly apply under the business flat-rate and hotel message-rate schedule.

Short-term service:

Individual and party lines—

Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than one year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
$15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
$18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
$24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
$30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
$36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
$42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
$48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
$54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
$60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

ALLENTOWN, PA.—Continued.

Short-term service—Continued.
Individual and party lines (flat rates)—Continued.

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
$15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
$18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
$24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
$30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
$36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
$42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
$48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
$54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
$60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for one month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Message rates.—When the number of messages under a message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.

Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in one year.

Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

Private branch exchanges:

Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.

Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.

Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.

Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals or exceeds the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in one year.

Excess exchange-line mileage (mileage charges are computed on air-line measurements beyond the base-rate area):
- Individual line, per quarter mile or fraction thereof $5.00
- Two-party line, per subscriber, per quarter mile or fraction thereof 3.00
- Four-party line, per subscriber, per quarter mile or fraction thereof 2.00

Extension and tie-line mileage (charges are computed on route measurement), per quarter mile or fraction thereof, $5.

Extra directory listings, business or residence, $3.

Joint-user service, business flat rate, individual or party line, one-half regular rate.

Moving charges:

Individual or party line, main or extension station or No. 1 private branch exchange station, during first year or within one year from last free move—
- Inside move $1.00
- Outside move—
  - Main station moved independently 3.00
  - Main station moved in conjunction with and to same address as switchboard 1.00
  - Extension station moved independently 3.00
  - Extension station moved in conjunction with and to same address as main station 1.00

Private branch exchange switchboards under annual contracts, the during first year or within one year from the last free move—

	Same room.	Another room.
Inside move—		
Cordless switchboard, 10 lines or less	$5.00	$8.00
Cord switchboard, 40 lines or less	10.00	18.00
Cord switchboard, over 40 lines	At cost.	At cost.
Outside move—		
Cordless switchboard, 10 lines or less		10.00
Cord switchboard, 40 lines or less		18.00
Cord switchboard, over 40 lines		At cost.
Trunk line, tie line, or outside extension line (switchboard terminal)		2.00

No. 2 private branch exchanges—During the first or subsequent years, at cost.

ALLENTOWN, PA.

NET ANNUAL EXCHANGE RATES OF THE CONSOLIDATED TELEPHONE CO. IN EFFECT JULY 30, 1914.

Individual and party-line service (flat rates):

	Individual line.	4-party line.	Extension station.	Extension bell.
Business	$36.00	$22.00	$6.00	$1.80
Residence	24.00	16.00	6.00	1.80

Private branch exchanges:
- Switchboard, $30.
- Trunks, individual line rates for the first trunk, less $6 for each additional trunk.
- Stations, in same building as private branch exchange, $6 each; outlying, $6 each, plus excess mileage charge of $3.75 for each quarter-mile or fraction thereof.
- Private branch-exchange rates are standard with the exception of the trunk-line rates, which are governed by the exchange to which the private branch exchange is directly connected.

ALLIANCE, OHIO.

NET ANNUAL EXCHANGE RATES OF THE STARK COUNTY TELEPHONE CO. IN EFFECT JUNE 30, 1911.

Individual and party-line service:

	Individual line.	2-party line.	4-party line.
Business	$30.00	$24.00	$21.00
Residence	21.00	18.00	15.00

Rural lines:
- Business, up to 8 parties on line $24.00
- Residence, up to 8 parties on line 18.00
- Extension station 8.00
- Extra-name service in directory 10.00

Private branch exchanges:
- Trunk 30.00
- Station 12.00

Moving and transferring telephone instruments:
- For moving station within the same premises 1.00
- For changing instrument (wall to desk or desk to wall) at request of the subscriber 2.00
- For change of location not within the same premises, if made within year after the installation of the station 2.50

ALTON AND BELLEVILLE, ILL.

NET ANNUAL EXCHANGE RATES OF THE KINLOCH LONG-DISTANCE TELEPHONE CO. IN EFFECT MAY 2, 1914.

Individual and party-line service:

	Individual line.	2-party line.	4-party line.	
			Alton.	Belleville.
Business	$35.00	$30.00	$24.00	.....
Residence	20.00	18.00	16.00	$15.00

Extensions:
- Business station $12.00
- Residence station 6.00

ALTOONA, PA.

NET ANNUAL EXCHANGE RATES OF THE BELL TELEPHONE CO. OF PENNSYLVANIA IN EFFECT AUG. 20, 1914.

[The local service area includes Altoona and 54 surrounding localities.]

Individual and party-line service (flat rates):

	Individual line.	2-party line.	4-party line.	Both-way auxiliary line.	Extension station.
Business	$48.00	$42.00	$36.00	$36.00	$6.00
Residence	36.00	30.00	24.00	.....	6.00

Rural-line service:
- Business $36.00
- Residence 24.00

No. 1 or No. 2 private branch exchange service:

Business or residence—Flat rates—
- Switchboard and an operator's telephone, or receiving station and switching devices, with battery power 30.00
- First both-way trunk line, business 48.00
- Additional both-way trunk lines, business, each 36.00
- Trunk lines, both-way, residence, each 36.00
- Stations, each 6.00
- Ringing power.—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.

ALTOONA, PA.—Continued.

No. 1 or No. 2 private branch exchange service—Continued.

Business or residence—Message rates—

Switchboard and an operator's telephone or receiving station and switching devices, with battery power $24.00
Trunk lines, both-way, each 24.00
Stations, main or extension, each 6.00
Local messages, guarantee 1,200, each 0.03
Additional local messages, each 0.04
If contracted for in advance, in lots of 100, each 0.03

Ringing power.—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.

Hotel—Message rates (contracts are not accepted for less than 20 stations, excluding operators' telephones)—

Switchboard, cord only, with battery power, ringing circuit and an operator's telephone for each position, $24.

Trunk lines, both-way only, no additional charge. (For flat-rate trunk lines, see the following paragraphs.)

Stations, main or extension, each, $6. (No additional charge is made for the stations and booth equipment, installed in public corridors for the use of the general public.)

Local messages—The subscriber, as the company's agent, charges patrons the regularly established public telephone rates for all local and toll messages and receives a commission on all charges for local and toll messages originating at the private branch-exchange system.

Hotel—Message rates—With flat-rate trunk lines—

Flat-rate trunk lines may be connected with hotel message-rate private branch exchanges for use in connection with flat-rate business stations, which may be provided only for the use of officials and employees of the hotel. Under such an arrangement the flat-rate trunk lines terminate on special cords, the plugs of which do not fit the message-rate station jacks. Stations which are to have flat-rate service are equipped with two jacks to permit connections with either the flat-rate or message-rate trunk lines, and with any other private branch-exchange station. Flat-rate trunk lines are not listed in directory.

Flat-rate trunk lines are charged for at the rates given under the standard schedules for business flat-rate private branch-exchange service. The charges for the switchboard and for those stations which are equipped for connection with the flat-rate trunk lines are equal to the sum of the respective standard rates which regularly apply under the business flat-rate and hotel message-rate schedules.

Short-term service:

Individual and party lines—

Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than one year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
$15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
$18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
$24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
$30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
$36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
$42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
$48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
$54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
$60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
$15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
$18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
$24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
$30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
$36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
$42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
$48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
$54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
$60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for one month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

ALTOONA, PA.—Continued.

Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

Private branch exchanges:

Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.

Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.

Stations, main or extension.—The charge is the proportionate part of the annual rate for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.

Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals, or exceeds, the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in one year.

Excess exchange-line mileage (mileage charges are computed on air-line distances, beyond the base-rate area, including the municipal area of Altoona, and the area within a radial distance of 1 mile from the central office, including also the municipalities and localities of Juniata, Llyswen, Roselawn, and South Altoona):

Individual line, per quarter-mile or fraction thereof $5.00
Two-party line, per subscriber, per quarter-mile or fraction thereof 3.00
Four-party line, per subscriber, per quarter-mile or fraction thereof 2.00

Extension and tie-line mileage (charges are computed on route measurement), per quarter-mile or fraction thereof, $5.

Extra directory listings, business or residence, $3.

Joint-user service, business flat rate, individual or party line, one-half regular rate.

Moving charges:

Individual or party line, main or extension station or No. 1 private branch exchange station, during the first year or within one year from the last free move:

Inside move $1.00
Outside move:
Main station moved independently 3.00
Main station moved in conjunction with and to same address as switchboard 1.00
Extension station moved independently 3.00
Extension station moved in conjunction with and to same address as main station 1.00

Private branch exchange switchboards under annual contracts, during the first year or within one year from the last free move:

	Same room.	Another room.
Inside move:		
Cordless switchboard, 10 lines or less	$5.00	$8.00
Cord switchboard, 40 lines or less	10.00	18.00
Cord switchboard, over 40 lines	At cost.	At cost.
Outside move:		
Cordless switchboard, 10 lines or less		$10.00
Cord switchboard, 40 lines or less		18.00
Cord switchboard, over 40 lines		At cost.
Trunk line, tie line, or outside extension line (switchboard terminal)		2.00

No. 2 private branch exchanges, during the first or subsequent years, at cost.

ALTOONA, PA.

NET ANNUAL EXCHANGE RATES OF THE UNITED TELEPHONE & TELEGRAPH CO. IN EFFECT JULY 25, 1914.

[The local service area includes Altoona, Bellwood, Hollidaysburg, and Tyrone.]

Individual and party-line service.

	Individual line.	2-party line.	4-party line.
Business	$42.00	$30.00	$24.00
Residence	30.00	24.00	18.00

ATLANTA, GA.

NET ANNUAL EXCHANGE RATES OF THE ATLANTA TELEPHONE & TELEGRAPH CO. IN EFFECT APR. 27, 1914.

[The local service area includes Atlanta, East Point, Decatur, Chattahoochee, and Inman Yards.]

Individual and party-line service:

Business—
Individual line, flat rate (inside 2 miles) $48.00
Individual line, one way (inside 2 miles) 36.00
Individual line, joint users, separate firm 6.00
Individual line, extra list, same firm 3.00
Party line, flat rate (inside 2 miles) 42.00
Party line, joint users, separate firm 6.00
Party line, extra list, same firm 3.00

Residence—
Individual line, flat rate (inside 2 miles) 36.00
Individual line, joint users, separate family 6.00
Individual line, extra list, same family 3.00
Party line, flat rate (inside 2 miles) 30.00
Party line, joint users, separate family 6.00
Party line, extra list, same family 3.00

An extra charge of 25 cents per month will be required where desk set is used instead of regular wall station.

An extra charge of 50 cents per mile (or fraction thereof) for each mile outside of first 2 miles from any exchange center.

ATLANTA, GA.—Continued.

Extensions:
- Business extension station desk set, without bell $12.00
- Business extension station desk set, with bell 15.00
- Residence extension station wall set 6.00
- Residence extension station desk set, with bell 9.00
- Extension bell 3.00
- Extension gong 6.00

Private branch exchanges:
- Switchboard ..... No charge.
- Trunk line, both ways (inside 2 miles) 48.00
- Trunk line, one way (inside 2 miles) 36.00
- Stations in same building up to 15 each 12.00
- Stations in same building from 16 to 20 each 9.60
- Stations in same building from 21 to 40 each 9.00
- Stations outside building not over 2 miles of line 36.00

An extra charge of 50 cents per month for each mile (or fraction thereof) outside of 2 miles.

Intercommunicating systems:
- Trunk lines (inside 2 miles) $51.00
- Stations in same building (inside 2 miles) 12.00

Moving station to different locations, $1.

When telephones are rented for less than one year, there is added an installation charge of $5.

Vacation charges:
- Business station, per month $1.50
- Residence station, per month 1.00

ATLANTA, GA.

NET ANNUAL EXCHANGE RATES OF THE SOUTHERN BELL TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 17, 1914.

[The local service area includes Atlanta, Decatur, and East Point.]

Individual and party-line service:

Note.—Where the same charge is shown for service with different numbers of subscribers on a circuit, under business or residence flat rates or message rates, the lower grades of service are ordinarily employed only beyond the base-rate area, with mileage charges.

Flat rates.—Flat rates are available, without mileage charges, to all residence subscribers and to party-line business subscribers within specified radial distances (1 mile or 2 miles) from the various rate centers, and to all individual line business subscribers within one-half mile of such center. Individual-line business flat rates are also available, at fixed higher rates in lieu of mileage charges, to subscribers within specified radial distances between one-half mile and 2 miles of a rate center. Beyond this radial distance, regular mileage charges apply.

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Extension station.
Business	[1] $66.00	$48.00	$48.00	$36.00	$18.00
Residence	48.00	36.00	36.00		Wall set, 12.00 Desk set, 18.00

[1] ½ mile radius.

Individual-line business rates for zones within specified radial distances:
- ½ to ¾ mile radius $72.00
- ¾ to 1 mile radius 78.00
- 1 to 2 mile radius 84.00

Message rates (on monthly guarantee basis).—Message rates are available, without mileage charges, to subscribers within specified radial distances (1 mile or 2 miles) from the various rate centers; beyond these radial distances regular mileage charges apply.

	Local messages per annum.	Individual line.	Additional local messages (cents).	Extension station.
Business	1,596	$48.00	3	$18.00
Limit of charge per month		9.00		
Residence	1,200	36.00	3	Wall set, 12.00
Limit of charge per month		5.00		Desk set, 18.00

Individual and party-line short-term service:

Emergency service.—The charge is the regular monthly rate for the period of service plus the estimated expense of installation and disconnection.

Season service.—For not less than 4 months the charge is the regular rate for the period of service plus 50 per cent.

Private branch exchange service:

No. 1 private branch exchanges (contracts are for periods of 5 years)—

Commercial and department store—Flat rates—

Switchboard, cord or cordless, with one operator's telephone, $1 for each station originally connected, minimum charge, $24. (When a considerable number of stations are subsequently connected or disconnected, the switchboard charge is modified accordingly).

Trunk lines, both-way, each, 1½ individual line business rate.

Trunk lines, incoming, each, ¾ individual line business rate.

Stations, main or extension, each, $12.

Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 36 cents per annum for each station, including operators' telephones. The maximum charge is $2 per annum per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 30,000.

ATLANTA, GA.—Continued.

Private branch exchange service—Continued.

No. 1 private branch exchanges—Continued.

Commercial and department store (flat rates)—Continued.

Ringing circuits.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.

Commercial and department store—Message rates—

Switchboard, cord or cordless, with one operator's telephone, $1 for each station originally connected, minimum charge $24. (When a considerable number of stations are subsequently connected or disconnected, the switchboard charge is modified accordingly.)

Trunk lines, both-way, each $48.00

Trunk lines, incoming, each 36.00

Stations, main or extension, each 6.00

Local messages.—One local message per month is allowed, without additional charge, for each 3 cents charged per month for trunk lines. No message allowance is included in charges for switchboard, stations, battery power, or ringing circuit. Additional local messages, each, 3 cents.

Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 36 cents per annum for each station, including operators' telephones. The maximum charge is $2 per annum per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 30,000.

Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.

Hotel and apartment house—Message rates—

Switchboard, cord or cordless, with one operator's telephone, no additional charge.

Trunk lines, both-way or incoming, no additional charge. (The average number of originating local messages per month for each trunk line in service must be 200 or more before an additional trunk line will be furnished.)

Stations, main or extension, each:

When company installs and maintains inside wiring, $6.

When subscriber installs and maintains inside wiring (ownership retained by subscriber), $4.

Local messages, each, 5 cents.

Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 12 cents per annum for each station, including operators' telephones. The maximum charge is 50 cents per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 120,000.

Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.

No. 2 private branch exchanges—

Business and residence—Flat rates. (Contracts are for periods of either 1 or 3 years. Under 1-year contracts subscribers pay the actual cost of cabling, including the cost of labor and material. Under 3-year contracts subscribers pay the actual cost of cabling in excess of 50 feet for any station, including the cost of labor and material. The maximum equipment furnished is that for 10 lines).

	One-year contract.	Three-year contract.
Trunk lines, both-way, each	1½ individual line business or residence rate.	1½ individual line business or residence rate.
Trunk lines, incoming, each	¾ individual line business or residence rate.	¾ individual line business or residence rate.
Receiving station, with switching device.	$18.00	$24.00.
Stations, main or extension, with switching device, each.	$12.00	$15.00.
Battery power and ringing circuit.	$15.00	$15.00.

Excess exchange line mileage.—Charges are computed on air-line measurements beyond the base-rate area, as indicated under the individual and party-line schedule, at $5 per quarter-mile or fraction thereof. Changes are on a "per line" basis. On unfilled party lines the total charge for mileage bears the same relation to the above rate as the number of subscribers actually connected bears to the number that may be connected on that type of line. Under message-rate contracts, one local message per month is allowed, without additional charge, for each 3 cents per month of the mileage charge.

Extension and tie-line mileage (charges are computed on route measurements):
- Extension lines, per quarter-mile or fraction thereof $5.00
- Tie lines, per quarter-mile or fraction thereof 10.00

Under message-rate contracts, one local message per month is allowed, without additional charge, for each 3 cents per month of the mileage charge.

Extra directory listings.—Each, per annum, $3. Under message-rate contracts one local message per month is allowed, without additional charge, for each 3 cents per month of the charge for listings.

Joint-user service:

	Flat rates.		Message rates.	
	Business.	Residence.	Business.	Residence.
Individual line	$24.00	$18.00	$12.00	$12.00
Limit of charge per month			2.50	2.00
Two-party line	18.00	12.00		

Under message-rate contracts, one local message per month is allowed, without additional charge, for each 3 cents per month of the charge for joint user.

ATLANTA, GA.—Continued.

Moving charges:
- Move to another location in the same office or room, each station..... $1.00
- Move to another location in the same building, each station..... 2.00
- Move to another building, together with extensions and supplemental equipment, if any, each main station..... 3.00
- Changing service from individual to party line, each main station..... 2.50
- Changing party-line subscriber to another party line, at subscriber's request..... 2.50
- Changing equipment at subscriber's request, when the change is not required for the efficiency of the service..... 1.50
- Any move of a private branch exchange switchboard, together with all associated stations and apparatus, to another location on the same or different premises, estimated cost of labor and material.

ATLANTIC CITY, N. J.

NET ANNUAL EXCHANGE RATES OF THE DELAWARE & ATLANTIC TELEGRAPH AND TELEPHONE CO. IN EFFECT AUG. 20, 1914.

[The local service area includes Atlantic City, Brigantine, Chelsea, Longport, Margate City and Ventnor.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Both-way auxiliary line.	Rural line.	Extension station.
Business	$60.00	$48.00	$39.00	$42.00	$39.00	$6.00
Residence	36.00	30.00	24.00	.....	24.00	6.00

Message rates (business only).

Local messages per annum.	Individual line.	Additional local messages (cents).	Extension station.
600	$36.00	4	$6.00
800	42.00	4	.....
1,000	48.00	4	.....
1,200	54.00	4	.....

Additional local messages, $3 per 100 if contracted for in advance.

No. 1 or No. 2 private branch exchange service:

Business or residence—Flat rates—
- Switchboard and an operator's telephone, or receiving station and switching devices, with battery power..... $30.00
- First both-way trunk line, business..... 60.00
- Additional both-way trunk lines, business, each..... 42.00
- Trunk lines, both-way, residence, each..... 36.00
- Stations, main or extension, each..... 6.00
- Ringing power.—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.

Business or residence—Message rates—
- Switchboard and an operator's telephone, or receiving station and switching devices, with battery power..... $24.00
- Trunk lines, both-way, each..... 24.00
- Stations, main or extension, each..... 6.00
- Local messages, guarantee 1,200, each..... 0.03
- Additional local messages, each..... 0.04
- If contracted for in advance, in lots of 100, each..... 0.03
- Ringing power.—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.

Hotel—Message rates (contracts are not accepted for less than 20 stations, excluding operators' telephones)—
- Switchboard, cord only, with battery power, ringing circuit and an operator's telephone for each position, $24.
- Trunk lines, both-way only, no additional charge. (For flat-rate trunk lines, see the following paragraphs.)
- Stations, main or extension, each, $6. (No additional charge is made for the stations and booth equipment installed in public corridors for the use of the general public.)
- Local messages.—The subscriber, as the company's agent, charges patrons the regularly established public telephone rates for all local and toll messages and receives a commission on all charges for local and toll messages originating at the private branch-exchange system.

Hotel—Message rates—With flat-rate trunk lines—
- Flat-rate trunk lines may be connected with hotel message-rate private branch exchanges for use in connection with flat-rate business stations, which may be provided only for the use of officials and employees of the hotel. Under such an arrangement the flat-rate trunk lines terminate on special cords, the plugs of which do not fit the message-rate station jacks. Stations which are to have flat-rate service are equipped with two jacks to permit connections with either the flat-rate or message-rate trunk lines, and with any other private branch-exchange station. Flat-rate trunk lines are not listed in directory.

ATLANTIC CITY, N. J.—Continued.

No. 1 or No. 2 private branch exchange service—Continued.

Hotel—Message rates—Continued.
- Flat-rate trunk lines are charged for at the rates given under the standard schedules for business flat-rate private branch-exchange service. The charges for the switchboard and for those stations which are equipped for connection with the flat-rate trunk lines are equal to the sum of the respective standard rates which regularly apply under the business flat-rate and hotel message-rate schedules.

Short-term service:

Individual and party lines—
- *Flat rates.*—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than one year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for one month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Message rates.—When the number of messages under a message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.

Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in one year.

Extension stations.—The charge is the proportionate part of the annual rate for the period of service, plus one-half the proportionate part of the annual rate for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

ATLANTIC CITY, N. J.—Continued.

Private branch exchanges:

Switchboards.—The charge is the proportionate part of the annual rate for the period of service, plus one-half the proportionate part of the annual rate for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.

Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.

Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.

Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals, or exceeds, the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in one year.

Season service.—The minimum rate for business or residence exchange service furnished during any part of the season period from June 1 to September 30, inclusive, is the short-term rate for four months, as given above.

Excess exchange line mileage charges are computed on air-line distances beyond the base-rate area:

Individual line, per quarter-mile or fraction thereof	$5.00
Two-party line, per subscriber, per quarter-mile or fraction thereof	3.00
Four-party line, per subscriber, per quarter-mile or fraction thereof	2.00

Extension and tie-line mileage, per quarter-mile or fraction thereof, route measurement, $5.

Extra directory listings, business or residence, each, $3.

Joint-user service, business flat rate, individual or party line, one-half regular rate.

Moving charges:

Individual or party-line, main or extension station or No. 1 private branch exchange station, during the first year or within one year from the last free move—

Inside move	$1.00
Outside move—	
Main station moved independently	3.00
Main station moved in conjunction with and to same address as switchboard	1.00
Extension station moved independently	3.00
Extension station moved in conjunction with and to same address as main station	1.00

Private branch exchange switchboards under annual contracts, during the first year or within one year from the last free move—

	Same room.	Another room.
Inside move—		
Cordless switchboard, 10 lines or less	$5.00	$8.00
Cord switchboard, 40 lines or less	10.00	18.00
Cord switchboard, over 40 lines	At cost.	At cost.
Outside move—		
Cordless switchboard, 10 lines or less		$10.00
Cord switchboard, 40 lines or less		18.00
Cord switchboard, over 40 lines		At cost.
Trunk line, tie line, or outside extension line (switchboard terminal)		2.00

No. 2 private branch exchanges, during the first or subsequent years, at cost.

AURORA, ILL.

NET ANNUAL EXCHANGE RATES OF THE INTERSTATE INDEPENDENT TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1914.

Individual and party-line service:

	Individual line.	2-party line.	4-party line.	Extension station.	Extension bell.
Business	$30.00	$24.00	$21.00	$7.56	$1.80
Business (doctor's)	24.00			[1] 12.00	
Residence	18.00	18.00	15.00	6.00	1.80

[1] Includes listing.

Rural party lines:	
Business	$30.00
Residence	18.00
Private branch exchanges:	
Switchboards	42.00
Sections	4.80
Intercommunicating station	12.00
House systems	3.00
Business or residence listings	3.00

AVOCA, N. Y.

NET ANNUAL EXCHANGE RATES OF THE PRATTSBURG-OVERLAND TELEPHONE CO. IN EFFECT AUG. 20, 1914.

Individual and party-line service.

	Individual line.	Party line.	Rural party line.
Business	$30.00	$15.00	$15.00
Residence	21.00	15.00	12.00

BADGER, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Business phone, individual line	$24.00
Residence phone, individual line	12.00

Rural connecting companies, $2.50 per circuit per month and 10 cents each for all stations in excess of 10 to a circuit.

BALTIMORE, MD.

NET ANNUAL EXCHANGE RATES OF THE CHESAPEAKE & POTOMAC TELEPHONE CO., OF BALTIMORE CITY, IN EFFECT AUG. 20, 1914.

[The local-service area includes all of Baltimore.]

Individual and party-line service:

Flat rates (residence only).

Individual line, $48. Extension station, $6.

Message rates.

Local messages per annum.	Business individual line.	Business and residence 2-party line.	Additional local messages (cents).	Both-way auxiliary line (business only).	Extension station.
Retail rates:					
360		$24.00	5		$6.00
600	$39.00		5	$30.00	6.00
800	48.00		5		
1,000	57.00		5		
1,200	66.00		5		
1,500	78.00		5		
1,800	87.00		5		
2,100	96.00		4		
2,400	105.00		4		
2,700	114.00		4		
3,000	123.00		4		
3,300	132.00		4		
3,600	138.00		4		
3,900	144.00		4		
4,200	150.00		4		
4,500	156.00		4		
4,800	162.00		4		
5,100	168.00		4		
5,400	174.00		4		
Wholesale rates (no refund for unused messages):					
1,800	75.00		5	30.00	6.00
2,400	87.00		4		
3,000	99.00		4		
3,600	111.00		4		
4,200	123.00		3		
4,800	135.00		3		
5,400	[1] 147.00		3		

[1] Additional local messages $12 per 600 if contracted for in advance, and at least one auxiliary line be taken, at regular rates, for each 5,400 or less of such additional messages.

Subscribers' coin-box rates.

Guarantee.	Fixed annual charge.	Computed minimum annual charge.	Local messages (cents).	Extension station.
Business, 1-party, 2 local messages per day, except Sundays	$12.00	$43.30	5	$6.00
Business, 2-party, 1 local message per day	9.60	27.85	5	6.00
Residence, 2-party, 1 local message per day	8.40	26.65	5	6.00

Private branch exchange service (contracts are not accepted for less than two both-way trunk lines and two stations, excluding operator's telephone or receiving station. No. 2 private branch exchange or No. 1 residence-system equipment is limited to a 10-point switch):

Message rates—	
Switchboard or switching device, with battery power and ringing circuit and an operator's telephone	$30.00
Trunk lines, both-way only, each	24.00
Stations, each	6.00
Local messages—	
Retail service—	
Guarantee 3,000 each	0.03
Additional, each	0.04
If contracted for in advance, in lots of 400, each	0.02½
Wholesale service (no refund for unused messages)—	
Guarantee 8,400, each	0.02
Additional, each	0.03
If contracted for in advance, in lots of 900, each	0.02
Flat rates—residence only (contracts are not accepted for less than 4 stations; this equipment is limited to a 10-point switch)—	
Receiving station, withswitching device, 1 both-way trunk line and 3 stations	$84.00
Additional trunk lines, both-way only, including 1 station, each	48.00
Additional stations, each	6.00

BALTIMORE, MD.—Continued.

Short-term service:
Individual and party lines—
Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than one year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	3.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for one month; for fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Message rates.—
When the number of messages used under a retail message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.

Note.—Subscribers are privileged to supersede retail message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service.

When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in one year.

For contracts at wholesale message rates, under which no refund is made for unused messages, the charges are such as to correspond with those made for service at retail message rates, the minimum charge being the proportionate part of the annual rate contracted for, except that—

When the charge computed on the basis of the retail message-rate schedule is in excess of the annual rate to be paid under the contract for an equal or greater number of messages, the full annual rate provided for in the contract is charged.

When the number of local messages used exceeds the contract allowance, the charge is the contract rate for the messages used, as though such messages were used in one year.

Subscribers' coin-box service.—The charge for any period is the total "fixed annual charge," plus the rate for messages sent during the period of service, the minimum charge being that specified for the annual flat rate corresponding to the "computed minimum annual charge" for the same period of service.

Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

BALTIMORE, MD.—Continued.

Private branch exchanges:
Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.
Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.
Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.
Local messages—
When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year.
When the number of messages used equals or exceeds the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in one year.
For contracts at wholesale message rates, under which no refund is made for unused messages, the charges are such as to correspond with those made for service at retail-message rates, the minimum charge being the proportionate part of the rate for messages specified in the wholesale private branch-exchange contract, except that—
When the charge computed on the basis of the retail message-rate schedule is in excess of the annual rate to be paid under the wholesale contract for the same equipment and an equal or greater number of messages, the full annual rate provided for in the contract is charged.
When the number of local messages used exceeds the contract allowance, the charge is the wholesale contract rate for equipment and messages used, as though such messages were used in one year.

Excess exchange-line mileage (mileage charges are computed on air-line distances from city limits, as follows):
Individual line, per quarter-mile or fraction thereof $6.00
Two-party line, per station, per quarter-mile or fraction thereof 3.00

Extension and tie-line mileage (mileage charges are computed on route measurements):
Extension lines, not exceeding 300 feet in length $6.00
Extension and tie lines, per quarter-mile or fraction thereof 12.00

Extra directory listings, business or residence, $3.

Moving charges:
Individual or party-line, main or extension station or No. 1 private branch exchange station, during the first year or within one year from the last free move—
Inside move $1.00
Outside move—
Main station moved independently 3.00
Main station moved in conjunction with and to same address as switchboard 1.00
Extension station moved independently 3.00
Extension station moved in conjunction with and to same address as main station 1.00

Private branch exchange switchboards during the first year or within one year from the last free move—

	Same room.	Another room.
Inside move—		
Cordless switchboard, 10 lines or less	$5.00	$8.00
Cord switchboard, 40 lines or less	10.00	18.00
Cord switchboard, over 40 lines	At cost.	At cost.
Outside move—		
Cordless switchboard, 10 lines or less		$10.00
Cord switchboard, 40 lines or less		18.00
Cord switchboard, over 40 lines		At cost.
Trunk line, tie line, or outside extension line (switchboard terminal)		$3.00

No 2 private branch exchanges or No. 1 residence systems during the first or subsequent years, at cost.

BARNUM, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Business station, individual line $18.00
Residence station, individual line 15.00
Rural connecting companies, $2.50 per circuit per month and 10 cents each for all stations in excess of 10 to a circuit.

BARTOW, FLA.

NET ANNUAL EXCHANGE RATES OF THE PENINSULAR TELEPHONE CO. IN EFFECT JULY 23, 1914.

Individual and party-line flat-rate service:

	Individual line.	Individual line joint-user.	2-party line.	2-party line joint-user.	4-party line.	4-party line joint-user.
Business	$36.00	$15.00	.....	.....	$30.00	$12.00
Residence	24.00	9.00	$21.00	$6.00	18.00	6.00

Extensions:
Business station (desk or wall) $12.00
Residence station (desk or wall) 12.00
Bells (business or residence) 3.00
Gongs (business or residence) 6.00

Directory service:
Extra listing 3.00
Additional line 3.00

BATAVIA, ILL.

NET ANNUAL EXCHANGE RATES OF THE INTERSTATE INDEPENDENT TELEPHONE & TELEGRAPH CO. IN EFFECT MAY 12, 1914.

Individual-line and extension-station service:

	Individual line.	Extension station.
Business	$24.00	$7.56
Residence	12.00	6.00

Rural-line service:
Residence—Individual line, $18; party line, $18.
School and lodge halls, per station, $12.

BATAVIA, N. Y.

NET ANNUAL EXCHANGE RATES OF THE BATAVIA HOME TELEPHONE CO. IN EFFECT MAY 1, 1913.

Party-line service:

	Party line.	Extension station.
Business	$24.00	$12.00
Residence	12.00	9.00

Miscellaneous service:
- Rural lines $12.00
- Employees' stations 6.00
- Extension bells 3.00

Desk-set equipment for residence station, $3 extra.

BAY CITY, MICH.

NET ANNUAL EXCHANGE RATES OF THE MICHIGAN STATE TELEPHONE CO. IN EFFECT AUG. 24, 1914.

Individual and party-line service (flat rates):

	Individual line.	2-party line.	Extension station.	
Business	$46.00	$36.00	With bell	$9.00
			Without bell	6.00
Residence	24.00	20.00	With bell	9.00
			Without bell	6.00

Individual and party-line short-term service.—The charge is the proportionate part of the annual rate for the class of service employed, plus a termination charge equal to 50 per cent of the rate for the unexpired portion of the contract term maximum termination charge, $7.50.
Rural-line service, business or residence, $18.
No. 1 private branch exchange:
- Commercial and department store—Flat rates—
  - Switchboard, cord or cordless, including battery power, ringing circuit, and one operator's telephone $12.00
  - Trunk lines, both-way only, each 46.00
  - Stations, each—
    - Main 12.00
    - Extension 9.00
- Hotel—Flat rates (the subscriber bears the cost of wiring)—
  - Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone 6.00
  - Trunk lines, both-way only, each 46.00
  - Stations, each 6.00
- Hotel—Message rates (subscribers bear the cost of wiring)—
  - Switchboard, cord only, with battery power, ringing circuit, and 1 operator's telephone 6.00
  - Trunk line, no additional charge.
  - Stations, each 6.00
  - Local messages, each 0.05

No. 2 private branch exchanges:
- Flat rates—
  - Trunk lines—
    - Business, both-way only, each 46.00
    - Residence, both-way only, each 24.00
  - Stations with switching device, each—
    - Business 18.00
    - Residence (if subscriber pays installation charges the rate is $12) 15.00

Excess exchange line mileage (mileage charges are computed on air-line distances beyond the base-rate area):
- Individual line, per quarter-mile or fraction thereof $3.00
- 2-party line, per station, per quarter-mile or fraction thereof 2.00

Extension and tie-line mileage per quarter-mile or fraction thereof, route measurements, $7.60.
Extra directory listings, business or residence, $3.
Joint-user service, business or residence, $6.
Moving charges (if the initial contract term has not expired and, subsequently, if the contract is not renewed for the ensuing term):
- Inside move, per main station and associated apparatus $1.00
- Outside move, per main station and associated apparatus 2.00
- No. 1 private branch exchange switchboard or No. 2 private branch exchange station, at cost.

BAYONNE, HOBOKEN, AND JERSEY CITY, N. J.

NET ANNUAL EXCHANGE RATES OF THE NEW YORK TELEPHONE CO. IN EFFECT AUG. 20, 1914.

In the application of exchange rates, the eastern portion of Hudson County, N. J., including Bayonne, Hoboken, Jersey City, and 10 other cities and towns, is treated as a single district area. Within this district two general schedules of rates are in effect, which are available in different portions of the district and which differ as to local service areas.
Schedule I is available to all subscribers, in Hoboken, Jersey City, and Hudson City (served by a Jersey City central office), which constitutes the central portion of the district area. The local service area under message rates differs from that under flat rates, which are quoted only for residence service, but under Schedule I the local service area is the same to all subscribers to the same class of service.
Schedule II is available in Bayonne, which constitutes the southern portion of the district area, and in the northern portion of the district area which is served by the Union central office. The Union central office district includes nine cities and towns lying to the north and northwest of Hoboken.
The local service areas under Schedules I and II are shown below in connection with the separate classes of service.

SCHEDULE I.

Flat rates.—These rates entitle subscribers to messages to all stations bearing the designation of a Hoboken or Jersey City central office.
Residence only—
- Individual line $48.00
- Both-way auxiliary line 36.00
- Extension station 6.00

Message rates.—These rates entitle subscribers to messages to all stations bearing the designation of a Bayonne, Hoboken, Jersey City or Union central office.

Local messages per annum.	Individual line.	2-party line.	4-party line.	Additional local messages. (cents).	Both-way auxiliary line.	Extension station.
Business:						
600	$42.00	$36.00	[1] $30.00	5	$30.00	$6.00
800	51.00	45.00		5		
1,000	60.00	54.00		5		
1,200	69.00			4		
1,200		63.00		5		
1,500	78.00			4		
1,500		75.00		5		
1,800	[2] 87.00			4		
1,800		87.00		5		
Residence:						
600	42.00	36.00	30.00	5		
800	51.00	45.00		5		

[1] Guarantee of $2.50 per month in local messages at 5 cents each.
[2] Additional local messages 3 cents each if contracted for in advance in lots of 300.

SCHEDULE II.

Flat rates.—These rates entitle subscribers in Bayonne to messages to all stations bearing the designation of a Bayonne central office; and entitle subscribers served by the Union central office to messages to all stations bearing the designation "Union."
Residence only—
- Individual line $42.00
- 2-party line 36.00
- 4-party line 30.00
- Both-way auxiliary line 31.50
- Extension station 6.00

Message rates.—These rates entitle subscribers in Bayonne to messages to all stations bearing the designation of a Bayonne, Hoboken, or Jersey City central office; and entitles subscribers in Union to messages to all stations bearing the designation "Union" or the designation of a Hoboken or Jersey City central office.

Local messages per annum.	Individual line.	2-party line.	4-party line.	Additional local messages (cents).	Both-way auxiliary line.	Extension station.
Business:						
600	$42.00	$36.00	[1] $30.00	5	$30.00	$6.00
800	51.00	45.00		5		
1,000	60.00	54.00		5		
1,200	69.00			4		
1,200		63.00		5		
1,500	78.00			4		
1,500		75.00		5		
1,800	[2] 87.00			4		
1,800		87.00		5		
Residence:						
600	42.00		30.00	5	30.00	6.00
800	51.00			5		
1,000	60.00			5		
1,200	69.00			4		
1,500	78.00			4		
1,800	[2] 87.00			4		

[1] Guarantee of $2.50 per month in local messages at 5 cents each.
[2] Additional messages 3 cents each if contracted for in advance in lots of 300.

BAYONNE, HOBOKEN, AND JERSEY CITY, N. J.—Contd.

Private branch exchange service:
No. 1 private branch exchanges—
General—Message rates—
Switchboard, cord or cordless, with battery power, an operator's telephone for each position, two both-way trunk lines, two stations, and 2,000 local messages per annum $156.00
Additional trunk lines, both-way only, each 24.00
Additional stations, main or extension, each 6.00
Additional local messages, each 0.04
If contracted for in advance in lots of 400, each 0.03
Ringing circuit.—No additional charge is made for ringing circuits if the subscriber contracts for either 3,600 messages or 20 stations 24.00
No. 1 residence systems:
Flat or message rates.—An installation charge is made to cover the cost of construction of all circuits between stations, including labor and materials.
Trunk lines, both-way only, each, individual line rate less $6. Under message-rate contracts the charge for the initial trunk line includes the right to send in one year the number of local messages specified under the individual line schedule, with charges for additional local messages as provided in said schedule. Additional message-rate trunk lines are charged for at the auxiliary line rate, where quoted.
Stations, with switching device, each—
Capacity 10 lines $12.00
Capacity 20 lines 15.00
Capacity 30 lines 18.00
Stations, without switching device, each 6.00
Short-term service:
Individual and party lines—
Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than one year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for one month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Message rates.—When the number of messages under a message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.

Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice or original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in one year.

BAYONNE, HOBOKEN, AND JERSEY CITY, N. J.—Contd.

Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.
Private branch exchanges:
Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.
Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.
Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.
Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals or exceeds the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in one year.
Excess exchange line mileage (charges are computed on air-line distances beyond the base-rate area and within 2½ miles of the central office or rate center and on route measurements beyond this distance):
Individual line, or private branch-exchange trunk line, per quarter-mile or fraction thereof $9.00
Two-party line, per subscriber, per quarter-mile or fraction thereof 4.50
Four-party line, per subscriber, per quarter-mile or fraction thereof 2.25
Extension and tie-line mileage (charges are computed on route measurements), per quarter-mile or fraction thereof, $7.50.
Extra directory listings, business or residence, $3.
Moving charges:
Individual or party line, main or extension station or No. 1 private branch exchange station—
Inside move ..... No charge.
Outside move, during first year or within one year from last free move—
Main station moved independently $3.00
Main station moved in conjunction with and to same address as switchboard 1.00
Extension station moved independently of main station 3.00
Extension station moved in conjunction with and to same address as main station 1.00
Private branch exchange switchboard—
Inside move during first year or within one year from last free move—

	Same room.	Another room.
Cordless, 10 lines or less	$5.00	$8.00
Cord board, 40 lines or less	10.00	18.00
Cord board, over 40 lines	Estimated cost.	

Outside move during first year or within one year from last free move—
Cordless, 10 lines or less $10.00
Cord board, 40 lines or less 18.00
Cord board, over 40 lines ..... Estimated cost.
No. 1 residence systems—First or subsequent years, estimated cost.

BEATRICE, NEBR.

NET ANNUAL EXCHANGE RATES OF THE LINCOLN TELEPHONE & TELEGRAPH CO. IN EFFECT JULY 1, 1914.

Individual and party-line service.

	Individual line.	2-party line.	4-party line.	Farm line.
Business	$42.00	$36.00	.....	$24.00
Residence	24.00	18.00	$15.00	18.00

BIG ROCK, ILL.

NET ANNUAL EXCHANGE RATES OF THE INTERSTATE INDEPENDENT TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1914.

Individual and party-line service.

	Individual line.	2-party line.	Extension station.
Business	$24.00	.....	$6.00
Business, including free toll to Kaneville or Sugar Grove	30.00	.....	.....
Residence	18.00	$18.00	18.00

BINGHAMTON, N. Y.

NET ANNUAL EXCHANGE RATES OF THE NEW YORK TELEPHONE CO. IN EFFECT AUG. 20, 1914.

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Both-way auxiliary line.	Extension station.
Business	$54.00	$42.00	.....	$40.50	$6.00
Residence	30.00	24.00	$18.00	22.50	6.00

BINGHAMTON, N. Y.—Continued.

Individual and party-line service—Continued.

Message rates (business only).

Local messages per annum	$800
Four-party line	30.00
Additional local messages	0.03
Extension station	6.00
Rural-line service:	
Business	24.00
Residence	18.00

No. 1 private branch exchanges:

Commercial and department store—Flat rates (contracts are not accepted for less than two stations, excluding operatiors' telephones)—

Switchboard, cordless, with battery power and an operator's telephone	$18.00
Switchboard, cord, with battery power and an operator's telephone for each position—	
First position	$36.00
Additional positions, each	24.00
First trunk line, both-way only	54.00
Additional trunk lines, both-way only	40.50
Stations, each	6.00
Ringing circuit (no additional charge if subscriber contracts for either 3 trunk lines or 20 stations)	18.00
Hotel and apartment house—Message rates—	
Switchboard, with battery power and an operator's telephone for each position	36.00
Stations, main or extension, each (no station charge is made for stations, including booth equipment, placed in public corridors for the use of the general public)	6.00
Trunk lines, both-way only, no additional charge.	
Local messages, public-telephone rate	
Ringing circuit (no additional charge if subscriber contracts for either 3 trunk lines or 20 stations)	18.00

No. 2 private branch exchanges (an installation charge is made, to cover the cost of construction of circuits between stations, including labor and material):

Business—Flat rates—

Trunk lines, both-way only, each	$48.00
Stations, with switching device, each—	
Equipped for 10 lines	12.00
Equipped for 20 lines	15.00
Equipped for 30 lines	18.00
Stations, without switching device, each	6.00

No. 1 residence system (an installation charge is made to cover the cost of construction of circuits between stations, including labor and material):

Flat rates—

Trunk lines, both-way only, each	$24.00
Stations, with switching device, each—	
Equipped for 10 lines	12.00
Equipped for 20 lines	15.00
Equipped for 30 lines	18.00
Stations, without switching device, each	6.00

Short-term service:

Individual and party lines—

Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than one year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

BINGHAMTON, N. Y.—Continued.

Note.—The minimum charge is for one month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Message rates.—When the number of messages under a message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.

Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in one year.

Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

Private branch exchanges:

Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.

Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.

Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.

Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals, or exceeds, the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in one year.

Excess exchange line mileage (charges are computed on route measurement beyond the base-rate area):

Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof	$6.00
Two-party line, per station, per quarter-mile or fraction thereof	3.50
Four-party line, per station, per quarter-mile or fraction thereof	2.00

Extension and tie-line mileage (charges are computed on route measurement) per quarter-mile or fraction thereof, $6.

Extra directory listings, business or residence, each, $3.

Moving charges:

Individual or party-line, main or extension station or No. 1 private branch exchange station—

Inside move	No charge.
Outside move, during first year or within one year from last free move—	
Main station moved independently	$3.00
Main station moved in conjunction with and to same address as switchboard	1.00
Extension station moved independently of main station	3.00
Extension station moved in conjunction with and to same address as main station	1.00

Private branch-exchange switchboards—

Inside move during first year or within one year from last free move—

	Same room.	Another room.
Cordless, 10 lines or less	$5.00	$8.00
Cord board, 40 lines or less	10.00	18.00
Cord board, over 40 lines	Estimated cost.	

Outside move during first year or within one year from last free move—

Cordless, 10 lines or less	$10.00
Cord board, 40 lines or less	18.00
Cord board, over 40 lines	Estimated cost.

No. 2 private branch exchanges and No. 1 residence systems: First or subsequent years, estimated cost.

BIRMINGHAM, ALA.

NET ANNUAL EXCHANGE RATES OF THE SOUTHERN BELL TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 17, 1914.

[The local service area includes Birmingham and Bessemer.]

Individual and party-line service:

Note.—Where the same charge is shown for service with different numbers of subscribers on a circuit, under business or residence flat rates or message rates, the lower grades of service are ordinarily employed only beyond the base-rate area, with mileage charges.

Flat rates.

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Extension station.
Business	$72.00	$60.00	$60.00	$36.00	$18.00
Residence	36.00	30.00	24.00	.....	Wall set, 12.00 Desk set, 18.00

BIRMINGHAM, ALA.—Continued.

Individual and party-line service—Continued.

Message rates (on monthly guarantee basis).

Business only: Local messages per annum, 1,200; individual line, $48 (limit of charge per month, $7); additional local messages, 3 cents; extension station, $18.

Individual and party-line short-term service:

Emergency service.—The charge is the regular monthly rate for the period of service, plus the estimated expense of installation and disconnection.

Season service.—For not less than 4 months, the charge is the regular rate for the period of service, plus 50 per cent.

Private branch exchange service:

No. 1 private branch exchanges (contracts are for periods of 5 years)—

Commercial and department store—Flat rates—

Switchboard, cord or cordless, with one operator's telephone, $1 for each station originally connected, minimum charge, $24. (When a considerable number of stations are subsequently connected or disconnected, the switchboard charge is modified accordingly.)

Trunk lines, both-way, each $108.00
Trunk lines, incoming, each 54.00
Stations, main or extension, each 12.00

Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 36 cents per annum for each station, including operators' telephones. The maximum charge is $2 per annum per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 30,000.

Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.

Commercial and department store—Message rates—

Switchboard, cord or cordless, with one operator's telephone, $1 for each station originally connected, minimum charge, $24. (When a considerable number of stations are subsequently connected or disconnected, the switchboard charge is modified accordingly.)

Trunk lines, both-way, each $48.00
Trunk lines, incoming, each 36.00
Stations, main or extension, each 6.00

Local messages.—One local message per month is allowed, without additional charge, for each 3 cents charged per month for trunk lines; no message allowance is included in charges for switchboard, stations, battery power, or ringing circuit. Additional local messages, each, 3 cents.

Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 36 cents per annum for each station, including operators' telephones. The maximum charge is $2 per annum per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 30,000.

Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.

Hotel and apartment house—Message rates—

Switchboard, cord or cordless, with one operator's telephone, 30 per cent of the cost, installed.

Trunk lines, both-way or incoming, each $36.00

The average number of originating local messages per month for each trunk line in service must be 200 or more before an additional trunk line will be furnished.

Stations, main or extension, each—

When company installs and maintains inside wiring $6.00
When subscriber installs and maintains inside wiring 4.00

Local messages.—One local message per month is allowed, without additional charge, for each 3 cents charged per month for trunk lines; no message allowance is included in charges for switchboard, stations, battery power, or ringing circuit. Additional local messages, each, 3 cents.

Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 12 cents per annum for each station, including operators' telephones. The maximum charge is 50 cents per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 120,000.

Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.

No. 2 private branch exchanges—

Business and residence—Flat rates—

Contracts are for periods of either 1 or 3 years. Under 1-year contracts subscribers pay the actual cost of cabling, including the cost of labor and material. Under 3-year contracts subscribers pay the actual cost of cabling in excess of 50 feet for any station, including the cost of labor and material. The maximum equipment furnished is that for 10 lines.

	1-year contract.	3-year contract.
Trunk lines, both-way, each:		
Business	$108.00	$108.00
Residence	54.00	54.00
Trunk lines, incoming, each:		
Business	54.00	54.00
Residence	27.00	27.00
Receiving station, with switching device	18.00	24.00
Stations, main or extension, with switching device, each	12.00	15.00
Battery power and ringing circuit	15.00	15.00

BIRMINGHAM, ALA.—Continued.

Excess exchange-line mileage:

Charges are computed on air-line distances beyond certain specified distances from the central office or rate center at $7.50 per quarter-mile or fraction thereof—

Individual line business, beyond 1 mile.

Individual line residence, beyond 1½ miles, except in case of rate centers, where measurements are beyond 1 mile from the rate center.

Two or 4 party lines, business or residence, beyond 2 miles.

Mileage charges are on a "per line" basis. On unfilled party lines the total charge for mileage bears the same relation to the rates given above as the number of subscribers connected bears to the number that may be connected on that type of line.

Under message-rate contracts 1 local message per month is allowed, without additional charge, for each 3 cents per month of the mileage charge.

Extension and tie-line mileage (charges are computed on route measurements):

Extension lines, per quarter-mile or fraction thereof $7.50
Tie lines, per quarter-mile or fraction thereof 10.00

Under message-rate contracts 1 local message per month is allowed, without additional charge, for each 3 cents per month of the mileage charge.

Joint-user service:

	Business.	Residence.
Flat rates:		
Individual line	$24.00	$12.00
Two or 4 party lines	24.00	6.00
Message rates:		
Individual line	12.00	.....
Limit of charge per month	2.00	.....

Under message-rate contracts 1 local message per month is allowed, without additional charge, for each 3 cents per month of the charge for joint-user service.

Moving charges:

Move to another location in the same office or room, each station $1.00
Move to another location in the same building, each station 2.00
Move to another building, together with extensions and supplemental equipment, if any, each main station 3.00
Changing service from individual to party line, each main station 2.50
Changing party-line subscriber to another party line, at subscriber's request 2.50
Changing equipment at subscriber's request, when the change is not required for the efficiency of the service 1.50
Any move of a private branch exchange switchboard, together with all associated stations and apparatus, to another location on the same or different premises, estimated cost of labor and material.

BLOOMINGTON, ILL.

NET ANNUAL EXCHANGE RATES OF THE KINLOCH-BLOOMINGTON TELEPHONE CO. IN EFFECT MAY 12, 1914.

Individual and party-line service.

	Individual line.	2-party line.	4-party line.	8-party rural.	Extension station.
Business	$30.00	$24.00	.....	.....	$10.00
Residence	20.00	16.80	$15.00	$18.00	6.00

BLUFFS, ILL.

NET ANNUAL EXCHANGE RATES OF THE ILLINOIS TELEPHONE CO. IN EFFECT DEC. 31, 1914.

Business $12.00
Business with extension on same line in same building 18.00
Residence 12.00
Residence with extension on same line in same building 18.00

BOSTON, CAMBRIDGE, AND SOMERVILLE, MASS.

NET ANNUAL EXCHANGE RATES OF THE NEW ENGLAND TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 20, 1914.

The exchange-rate schedules in effect in the city of Boston are based on a system of classified areas, which cover all of the surrounding suburban territory included within what is known as the Boston Metropolitan District; and the 12 different schedules which apply in various combinations in the different areas are so closely related that Boston rates should be considered only in connection with all of the rates applying in the metropolitan district as a whole. The application of these schedules, which include flat rates, message rates, and subscribers' coin-box rates, is determined by the establishment of distinct territorial divisions, under which the metropolitan district is divided into schedule areas and into local service areas.

SCHEDULE AREAS.

A schedule area is an area to subscribers within which a given schedule is available. There are 7 schedule areas. Schedule Area I covers the entire metropolitan district and is divided into Schedule Areas II and III. Schedule Area II covers about 432 square miles and embraces all of the metropolitan district except about 4 square miles in its central portion, which are covered by Schedule Area III. Schedule Areas IV, V, VI, and VII are separate groups of cities or towns within Schedule Area II. Schedule Areas I and II, therefore, each include several other schedule areas. The classification into one of the subgroups of Schedule Area II was originally determined separately for each city or town by the approximate number of main stations served in its central office district, plus those served in all contiguous central office districts in Schedule Area II. Due to the nature of the distribntion of population and of main-station development in the suburban area, the boundaries of Schedule Areas IV, V, VI, and VII tend, in a general way, to form concentric areas, in the order named, around Schedule Area III.

BOSTON, CAMBRIDGE, AND SOMERVILLE, MASS.—Con.

SCHEDULE AREAS—continued.

Schedule Area I (Metropolitan District).—Schedule Area I includes the other six schedule areas, and covers the following cities and towns: Arlington, Bedford (Lexington central office district), Belmont, Boston, Braintree, Brookline, Cambridge, Canton, Chelsea, Cohasset, Dedham, Everett, Hingham, Holbrook (Randolph central office district), Hull, Lexington, Lincoln, Malden, Medford, Melrose, Milton, Needham, Newton, Norwood, Quincy, Randolph, Reading, Revere, Somerville, Stoneham, Wakefield, Waltham, Watertown (Newton North central office district), Wellesley, Weston (Waltham central office district), Westwood (Dedham central office district), Weymouth, Winchester, Winthrop, Woburn. Schedule I is available to all subscribers in the metropolitan district.

Schedule Area II (Full Suburban District).—Schedule Area II includes Schedule Areas IV, V, VI, and VII, and covers all of the cities and towns listed above under "Metropolitan District," except that part of the city of Boston described below as the "Central District." Schedule II is available only to subscribers in Schedule Area II.

Schedule Area III (Central District).—Schedule Area III covers what may be termed the "down-town" business section and the Back Bay residential section of Boston, and includes the following central office districts: Back Bay, Fort Hill, Haymarket, Main, Oxford, Richmond. Schedules III-A and III-B are available only to subscribers in Schedule Area III.

Schedule Area IV.—Schedule Area IV comprises the following central office districts: Arlington, Belmont, Brighton (part of Boston), Brookline, Newton South (part of Newton), Roxbury (part of Boston), Cambridge, Charlestown (part of Boston), Dorchester (part of Boston), Everett, Jamaica Plain (part of Boston) (the Jamaica Plain central office is treated as the rate center of an exchange which includes both the Jamaica Plain and Bellevue central offices), Medford, Milton, Newton North (part of Newton), Somerville, South Boston (part of Boston). Schedules IV-A and IV-B are available only to subscribers in Schedule Area IV.

Schedule Area V.—Schedule Area V comprises the following central office districts: Dedham, Hyde Park (part of Boston), Lexington, Malden, Melrose, Newton West (part of Newton), Quincy, Revere, Stoneham, Waltham, Wellesley. Schedules V-A and V-B are available only to subscribers in Schedule Area V.

Schedule Area VI.—Schedule Area VI comprises the following central office districts: Braintree, Canton, Chelsea, East Boston (part of Boston), Needham, Randolph, Wakefield, Weymouth, Winchester, Winthrop, Woburn. Schedules VI-A and VI-B are available only to subscribers in Schedule Area VI.

Schedule Area VII.—Schedule Area VII comprises the following central office districts: Cohasset, Hingham, Hull, Lincoln, Norwood, Reading. Schedules VII-A and VII-B are available only to subscribers in Schedule Area VII.

Statement of schedules available to subscribers in each schedule area.

Schedule area.	Schedules available.	Schedule area.	Schedules available.
I	I.	V	I, II, V-A, V-B.
II	I, II.	VI	I, II, VI-A, VI-B.
III	I, III-A, III-B.	VII	I, II, VII-A, VII-B.
IV	I, II, IV-A, IV-B.		

LOCAL SERVICE AREAS.

A local service area is an area to all subscribers within which unlimited or specified numbers of messages may be sent without toll charges. In addition to the 7 schedule areas previously described, there are 92 distinct, though overlapping, local service areas, the local service area available to each subscriber depending upon the central office district in which his station is located and the particular schedule under which he receives service.

It should be noted here that a local service area does not necessarily coincide with any schedule area. For example, any local service area under Schedule IV-B may cover territory in more than one schedule area, and, on the other hand, will in no case cover all the territory in Schedule Area IV. It should also be noted with reference to Schedules III-A, IV-A, V-A, VI-A, and VII-A (which include flat rates only), and to Schedules III-B, IV-B, V-B, VI-B, and VII-B (which include message rates only), that the local service area under message rates is greater than that under flat rates. Such areas as do coincide are indicated below.

The following table indicates the basis of the local service areas established under each schedule:

Schedule number.	Local service area.	Number of local service areas.
I	Schedule Area I	1
II	Schedule Area II	1
III-A	Schedule Area III	1
III-B	Schedule Area III and all central office districts within 8 miles of its center.	1
IV-A, V-A, VI-A, VII-A	The central office district in which the subscriber is located, and all contiguous central office districts within Schedule Area II.	44
IV-B, V-B, VI-B, VII-B	The central office district in which the subscriber is located, and all central office districts in Schedule Area I within 8 miles.	44
	Total	92

METROPOLITAN TOLLS.

Messages to any point in the Metropolitan District beyond the limits of the local service area fixed by the schedule governing the calling station are treated as toll messages, and charged at 5 cents for each 8 miles or part thereof, air-line distance between central offices, except in the case of the Central District, where a rate center is assumed.

[For statement of the Exchange Rate Schedules in effect in the Boston Metropolitan District, see page 66.]

BOSTON, CAMBRIDGE, AND SOMERVILLE, MASS.—Con.

METROPOLITAN TOLLS—continued.

Auxiliary lines: Inward, $36.

Extension stations:
- Under Schedule III-A (business only) $9.00
- Under all other schedules 6.00

Private branch exchange service:

Two classes of rates are in effect for private branch-exchange service, viz, local rates and Metropolitan rates.

Under "Local rates" the local service area covers the central office district in which the subscriber is located and all other central office districts within a radius of 8 miles, air-line distance, measured between central offices, except in the case of the Central District, where a rate center is assumed.

Under "Metropolitan rates" the local service area covers the entire Metropolitan District.

The rates quoted under the schedules given below are available throughout the entire Metropolitan District for the classes of service indicated.

No. 1 private branch exchanges—

Commercial—Message rates (contracts are not accepted for periods of less than three years)—

Local rates—
- Switchboard, with battery power, an operator's telephone for each position, two both-way trunk lines, and 3,000 local messages per annum $144.00
- Additional trunk lines, both-way only, each 24.00
- Stations, each 6.00
- Additional local messages, each—First 3,000, 3 cents; next 6,000, 2¾ cents; all others, 2½ cents.
- Ringing circuit, within 1 mile of central office—
  - 19 terminal stations or less 18.00
  - 20 or more terminal stations ..... No charge.
  - Each additional quarter-mile or fraction thereof of circuit $5.00

Metropolitan rates—
- Switchboard, with battery power, an operator's telephone for each position, and 4,000 local messages per annum 150.00
- Trunk lines, both-way only, each 24.00
- Stations, each 6.00
- Additional local messages, each 0.03

Department-store—Message rates—

Metropolitan rates only (contracts are not accepted for periods of less than 5 years nor for less than 100 stations)—
- Switchboard, with battery power, ringing circuit, and an operator's telephone for each position ..... No charge.
- Trunk lines, both-way only, each $24.00
- Stations, each 6.00
- Local messages, used in the conduct of the subscriber's business, each 0.03

Hotel—Message rates—

Metropolitan rates only (contracts are not accepted for periods of less than 5 years nor for less than 50 stations, excluding operators' telephones)—
- Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, no charge.
- Trunk lines, both-way only, no charge.
- Stations, each, $6.
- Local messages, public telephone rates, less 15 per cent.

Hotel—Message rates—Season service (this schedule applies only in Schedule Area II. Contracts are not accepted for periods of less than 5 years nor for less than 50 stations and allow service for a period of 5 months in each year)—
- Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, no charge.
- Trunk lines, both-way only, no charge.
- Stations—
  - First 50, each $5.00
  - Over 50, each 4.00
  - Local messages, each 0.03

Apartment house—Message rates—

Local rates only (contracts are not accepted for periods of less than 5 years—
- Switchboard, cord or cordless, with battery power, ringing circuit, one operator's telephone for each position, two both-way trunk lines, and 4,200 local messages per annum $264.00
- Additional trunk lines, both-way only, each 24.00
- Stations, each 6.00
- Additional local messages, each 0.03

No. 2 private branch exchanges (contracts are not accepted for periods of less than three years)—

Business—Message rates—

Local rates—
- Receiving station, with switching device, one both-way trunk line and 2,500 local messages per annum $105.00
- Additional trunk lines, both-way only, each 24.00
- Stations, with or without switching device, each 6.00
- Additional local messages, each—First 3,500, 3 cents; next 6,000, 2¾ cents; all others, 2½ cents.

Metropolitan rates—
- Receiving station, with switching device, and 3,000 local messages per annum $120.00
- Trunk lines, both-way only, each 24.00
- Stations, with or without switching device, each 6.00
- Additional local messages, each 0.03

Residence—Message rates—

Local rates—
- Receiving station, with switching device, one both-way trunk line and 1,000 local messages per annum 60.00
- Additional trunk lines, both-way only, each 24.00
- Stations, with or without switching device, each 6.00
- Additional local messages, each—First 5,000, 3 cents; next 6,000, 2¾ cents; all others, 2½ cents.

Metropolitan rates—
- Receiving station, with switching device, and 1,000 local messages per annum 60.00
- Trunk lines, both-way only, each 24.00
- Stations, with or without switching device, each 6.00
- Additional local messages, each 0.03

STATEMENT OF THE EXCHANGE RATE SCHEDULES IN EFFECT IN THE BOSTON METROPOLITAN DISTRICT SHOWING SCHEDULES AVAILABLE IN EACH SCHEDULE AREA.

		SCHEDULE I	SCHEDULE II	SCHEDULE III-A	SCHEDULE III-B		Schedules IV-A, V-A, VI-A, VII-A	SCHEDULES IV-B, V-B, VI-B, VII-B	
		Local Service Area coincides with Schedule Area I	Local Service Area coincides with Schedule Area II	Local Service Area coincides with Schedule Area III	Local Service Area covers Schedule Area III and all central office districts within eight miles of its center.		Local Service Area covers the central office district in which the subscriber is located and all contiguous central office districts in Schedule Area II	Local Service Area covers the central office district in which the subscriber is located and all central office districts within eight miles in Schedule Area I.	
		Message Rates only	Flat Rates only	Flat Rates only	Message Rates	Subscribers' Coin Box Rates Guarantee (b)	Flat Rates only	Message Rates	Subscribers' Coin Box Rates Guarantee (b)
		Loc'l Mgs. / Ind. Line / Add'l Mgs.	Ind. Line / 2-Pty Line / 4-Pty Line	Ind. Line / 2-Pty Line	Loc'l Mgs. / Ind. Line / 2-Pty Line / Add'l Mgs.	Ind. Line / 4-Pty Line	Ind. Line / 2-Pty Line	Loc'l Mgs. / Ind. Line / 2-Pty Line / Add'l Mgs.	Ind. Line / 4-Pty Line
Schedule Area I Entire Metropolitan District.	Bus.	600 $60. 5c(a)							
	Res.	600 60. 5c(a)							
Schedule Area II Full Suburban District, embracing all Metropolitan District except Schedule Area III.	Bus.	600 $60. 5c(a)	$— $— $—						
	Res.	600 60. 5c(a)	45. 36. 30.						
Schedule Area III Central District, embracing "downtown" section of Boston.	Bus.	600 $60. 5c(a)		$125. $—	840 $— $42. 3c 960 48. — 3c(c)	$60. $36.			
	Res.	600 60. 5c(a)		75. 66.	720 — 36. 3c 900 45. — 3c(c)	— 24.			
Schedule Area IV Embracing sixteen central office districts.							Schedule IV-A Ind. Line / 2-Pty Line	SCHEDULE IV-B Loc'l Mgs. / Ind. Line / 2-Pty Line / Add'l Mgs.	Ind. Line / 4-Pty Line
	Bus.	600 $60. 5c(a)	$— $— $—				$69. $63.	720 $— $36. 3c 900 45. — 3c(c)	$60. $30.
	Res.	600 60. 5c(a)	45. 36. 30.				39. 30.	480 — 24. 3c 900 45. — 3c(c)	— 21.
Schedule Area V Embracing eleven central office districts.							Schedule V-A Ind. Line / 2-Pty Line	SCHEDULE V-B Loc'l Mgs. / Ind. Line / 2-Pty Line / Add'l Mgs.	Ind. Line / 4-Pty Line
	Bus.	600 $60. 5c(a)	$— $— $—				$60. $54.	660 $— $33. 3c 840 42. — 3c(c)	$60. $30.
	Res.	600 60. 5c(a)	45. 36. 30.				36. 27.	480 — 24. 3c 840 42. — 3c(c)	— 21.
Schedule Area VI Embracing eleven central office districts.							Schedule VI-A Ind. Line / 2-Pty Line	SCHEDULE VI-B Loc'l Mgs. / Ind. Line / 2-Pty Line / Add'l Mgs.	Ind. Line / 4-Pty Line
	Bus.	600 $60. 5c(a)	$— $— $—				$54. $48.	600 $— $30. 3c 780 39. — 3c(c)	$60. $30.
	Res.	600 60. 5c(a)	45. 36. 30.				33. 24.	480 — 24. 3c 780 39. — 3c(c)	— 21.
Schedule Area VII Embracing six central office districts.							Schedule VII-A Ind. Line / 2-Pty Line	SCHEDULE VII-B Loc'l Mgs. / Ind. Line / 2-Pty Line / Add'l Mgs.	Ind. Line / 4-Pty Line
	Bus.	600 $60. 5c(a)	$— $— $—				$48. $42.	600 $— $30. 3c 720 36. — 3c(c)	$60. $30.
	Res.	600 60. 5c(a)	45. 36. 30.				30. 21.	480 — 24. 3c 720 36. — 3c(c)	— 21.

NOTES—(a) First 300—5c; others 3c.
(b) On an annual basis. Tolls within the Metropolitan District included with local message charges.
(c) Messages in excess of 6000—2¾c. Messages in excess of 12,000—2½c.

BOSTON, CAMBRIDGE, AND SOMERVILLE, MASS.—Con.

Short-term service:
Emergency service (regular installation and removal charges apply as specified below under 3 months' service)—
Flat-rate individual line or residence No. 2 private branch exchange trunk line—
First day $3.00
Each additional day 0.75
Message-rate trunk line and private branch exchange station (either or both)—
First three days $5.00
Each additional week (charge not to exceed annual rate) 1.00
Three months—

	Business.		Residence.	
	Individual line.	2-party line.	Individual line.	2-party line.
Flat rates:				
Schedule II	.....	.....	$23.00	$20.00
Schedule III-A	$48.67	.....	33.00	.....
Schedule IV-A	30.00	$26.00	21.00	18.00
Schedule V-A	27.00	23.00	20.00	17.00
Schedule VI-A	25.00	21.00	19.00	16.00
Schedule VII-A	23.00	19.00	18.00	15.00
Inward auxiliary line	.....	.....	.....	20.00

Message rates.—Message rate private branch trunk line (no installation charge), $12. Service continuing beyond the initial 3 months' period is charged for at a rate for each whole month equal to one-ninth the difference between the short-term rate and the annual rate for similar service, with a charge pro rata for fractional parts of a month.
The following charges are made in addition to the rates quoted above, for installation and removal of equipment furnished for short periods:
If instrument is on premises and inside wiring and drop wiring are in place $2.00
If both inside wiring and drop wiring are in place, but it is necessary to furnish an instrument 3.00
If either inside wiring or drop wire is in place—but not both—an instrument must be installed 4.00
If it is necessary to install inside wiring, drop wiring, and instrument 5.00
Excess exchange line mileage (charges are computed on air-line distances beyond 2 miles from a central office or a rate center)—
Per quarter-mile or fraction thereof—
Individual line or private branch exchange trunk line $2.50
Two-party line, per station 1.00
Four-party line, per station 0.50
Extension line mileage (charges are computed on route measurements):
In Schedule Area III (central district)—Per quarter-mile or fraction thereof, $9; minimum charge, $20.
In other schedule areas—Per quarter-mile or fraction thereof, $5; minimum charge, $10.
Tie-line mileage (charges are computed on route measurements):
When in the same building, minimum rate, $10.
Same subscriber, different buildings within the local service area specified in the contract—Per quarter-mile or fraction thereof, $10; minimum charge, $40.
Different subscribers (not more than three) or same subscriber when not within the local service area specified in the contract—Per quarter-mile or fraction thereof, $15; minimum charge, $60.
Extra directory listings:
Business or residence $3.00
Names of tenants in hotels or apartment houses 5.00
Joint-user service:
Flat rates—Individual line or private branch exchange, one-half of the annual base rate for the class of service employed, maximum, $50.
Message rates—Individual line or private branch exchange, $5.
Moving charges (individual or party-line stations or No. 1 private branch exchange stations):
Inside move—
25 feet or less of inside wiring necessary $1.00
Over 25 feet of inside wiring necessary 2.00
Outside move—
Drop and inside wiring necessary and instrument to be placed 5.00
Drop or inside wiring (one only) necessary and instrument to be placed 4.00
No wiring necessary but instrument to be placed 3.00
No wiring necessary and instrument in place 2.00
When a main station, extension station and other station equipment are moved at the same time, the work practically constituting one job, full charge is made for moving the main station, and one-half the scheduled charges for moving the other apparatus.
Moves of switchboards, entire No. 1 private branch exchange systems, or No. 2 private branch exchange-stations are made at actual cost.
At any time after the expiration of the initial contract period, the subscriber may extend his contract for another contract period in lieu of payment of the above charges.

BRADENTOWN, FLA.

NET ANNUAL EXCHANGE RATES OF THE PENINSULAR TELEPHONE CO. IN EFFECT JULY 23, 1914.

Individual and party-line service (flat-rate):

	Individual line.	Individual line joint-user.	2-party line.	2-party line joint-user.	4-party line.	4-party line joint-user.
Business	$36.00	$15.00	.....	.....	$30.00	$12.00
Residence	24.00	9.00	21.00	6.00	18.00	6.00

BRADENTOWN, FLA.—Continued.

Extensions:
Business station (desk or wall) $12.00
Residence station (desk or wall) 12.00
Bells (business or residence) 3.00
Gongs (business or residence) 6.00
Directory service:
Extra listing 3.00
Additional line 3.00

BRAHAM, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Business station, individual line $18.00
Residence station, individual line 12.00
Rural station 12.00
Extension station 6.00
Rural connecting companies, $2.50 per circuit per month and 10 cents each for all stations in excess of 10 to a circuit.

BRIDGEPORT, CONN.

NET ANNUAL EXCHANGE RATES OF THE SOUTHERN NEW ENGLAND TELEPHONE CO. IN EFFECT AUG. 20, 1914.

[The local service area includes Bridgeport and Stratford, Conn.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Auxiliary line.	Extension station.
Business	$84.00	$60.00	.....	$50.00	[1] $8.00
Residence	36.00	.....	$30.00	.....	[1] 6.00

[1] Plus installation charge of $2.

Message rates.

Local messages per annum.	Individual line.	4-party line.	6-party line.	Additional local messages (cents).	Extension station.
Business:					
800 or less	.....	$36.00	.....	4	[1] $8.00
1,200	$48.00	.....	.....	4	.....
1,500	54.00	.....	.....	4	.....
1,800	60.00	.....	.....	3½	.....
2,100	66.00	.....	.....	3½	.....
2,400	72.00	.....	.....	3	.....
Residence:					
400 or less	.....	.....	$25.00	4	[1] 6.00

[1] Plus installation charge of $2.

Individual and party-line short-term service: Short-term flat-rate service, for periods of 6 months or less, is charged for at two-thirds of the standard annual rate. Emergency service, installed on account of sickness, for periods of not more than one month, is furnished for a flat charge of $5.
Rural line service: Service is furnished on an 8-plus-party line basis to both business and residence subscribers at $18 per annum. The local service area to rural line subscribers covers only that portion of the township in which such subscribers are located, which is served by the same exchange. Messages to all other stations within the exchange area are charged for at 5 cents each. No toll is charged for incoming messages originating at subscribers' stations within the base-rate area or at subscribers' stations outside the base-rate area on which mileage is charged (not rural line stations). Toll charges to other exchanges are the same on messages from rural line stations as on messages from subscribers' stations within the base-rate area served by the same central office. Eight-plus-party rural line stations, on which the 5-cent charge applies on messages to stations outside of the township of the calling station but within the same exchange area, are equipped with coin boxes.
Private branch exchange service:
No. 1 private branch exchanges (subscribers bear the expense of installation, excepting that portion to which regular mileage charges apply)—
Commercial, department store, family hotel and apartment house—Flat rates—
Switchboard, cord or cordless, with battery power, without operating telephones ..... No additional charge.
First trunk line, both-way only $84.00
Additional trunk lines, both-way only, each 50.00
Stations, each 8.00
Ringing circuit—$7.50 per annum per one-quarter mile or fraction thereof of circuit required, plus $10 (subscribers bear costs incidental to the installation of local ringing power).
Commercial, department store, family and transcient hotel and apartment house—Message rates—
Switchboard, cord or cordless, with battery power, without operating telephones, no additional charge.
Trunk lines, both-way only, no additional charge.
Stations, each, $3.
Local messages—Guarantee—
5,000 per annum, $150; additional local messages, each, 3 cents.
10,000 per annum, $300; additional local messages, each, 3 cents.
15,000 per annum, $400; additional local messages, each, 2½ cents.
20,000 per annum, $500; additional local messages, each, 2½ cents.
Ringing circuit—$7.50 per annum per one-quarter mile or fraction thereof of circuit required, plus $10 (subscribers bear costs incidental to the installation of local ringing power).

BRIDGEPORT, CONN.—Continued.

Private branch exchange service—Continued.
No. 2 private branch exchanges—
Business and residence—Flat rates (subscribers bear the expense of installation and the cost of maintaining the wiring)—
First trunk line, both-way only $34.00
Additional trunk lines, both-way only, each 50.00
Stations, each 8.00
Excess exchange line mileage. (Mileage charges are computed on air-line distances. In outlying sections having a community of interests, an average mileage charge is usually applied on party-line service, but individual line mileage is computed separately for each subscriber. These average mileage charges are computed on air-line distances between the centers of such communities and the boundary of the base-rate area):
Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof $5.00
Party line, per station, per quarter-mile or fraction thereof 1.00
Extension and tie-line mileage, per quarter-mile or fraction thereof, $7.50.
Extra directory listings, business or residence, $4.
Joint-user service:
Flat rates, one-half the annual rate for the class of service employed.
Message rates, $8.
Moving charges:
Individual and party lines—
Moving a station to a different location on the same premises $1.00
Moving a main station to premises which are already wired 2.00
Moving a main station to premises which are not wired 3.00
Private branch exchanges—Moving a part or all of a private branch-exchange system, actual cost.
No charge is made under contracts for individual and party lines if the existing service has been used continuously at the same location for the full preceding year, or if the subscriber has paid the standard charges for all changes of location or equipment made during such preceding year, or if at the time of moving a contract is taken for a higher grade of service at an increased rate.

BROCKTON, MASS.

NET ANNUAL EXCHANGE RATES OF THE NEW ENGLAND TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 26, 1914.

[The local service area includes Brockton and Avon, and parts of East Bridgewater, West Bridgewater, Easton, Abington, Stoughton, and Holbrook.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Rural line.	Extension station.
Business	$51.00	$42.00	.....	$27.00	$36.00	$6.00
Residence	30.00	24.00	$21.00	.....	25.00	6.00

Message rates (business only).

Local messages per annum 825
Individual line $33.00
Additional local messages:
Up to a total of 6,000, each $0.03
Next 6,000, each 0.02¾
All others, each 0.02½
Extension station 6.00
No. 1 or No. 2 private branch exchanges:
Commercial, residence, hotel, and apartment house—Message rates. (Contracts are not accepted for periods of less than 3 years. No. 2 business systems are limited to a total of 10 lines)—
Switchboard, with battery power, an operator's telephone or receiving station, with switching devices and 2,500 local messages per annum $75.00
Trunk lines, both-way only, each 21.00
Stations, each 6.00
Additional local messages—
First 3,500, each (in hotels and apartment houses, all additional local messages are charged for at 3 cents each) 0.03
Next 6,000, each 0.02¾
All others, each 0.02½
Ringing circuit (applies only within a radius of 1 mile, air-line distance, from a central office, for installations of 19 stations or less. No additional charge is made if subscribers, within 1 mile from the central office, contract for 20 stations or more; beyond this distance a mileage charge is made f $5 per quarter-mile or fraction thereof) 18.00
Hotel—Message rates—Season service (contracts are not accepted for periods of less than 5 years nor for less than 50 stations, and allow service for a period of 5 months in each year)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position ..... No charge.
Trunk lines, both-way only ..... No charge.
Stations—
First 50, each $5.00
Over 50, each 4.00
Local messages, each 0.03
Department store—Message rates (contracts are not accepted for periods of less than 5 years nor for less than 50 stations)—
Switchboard, with battery power, ringing circuit, and an operator's telephone ..... No charge.
Trunk lines, both-way only, each $24.00
Stations, each 6.00
Local messages—
First 6,000, each 0.03
Next 6,000, each 0.02¾
All others, each 0.02½
No. 2 Private branch exchanges—Residence—Flat rate (contracts are not accepted for a period of less than 3 years. Interior cable in excess of 500 feet and all outside cable between a subscriber's buildings on the same premises is furnished at the subscriber's expense. The rate quoted for receiving stations includes switching devices for all stations):
Trunk lines, both-way, each $30.00
Trunk lines, incoming, each 27.00
Receiving station, with switching devices 24.00
Stations, with or without switching device, each 6.00

BROCKTON, MASS.—Continued.

Short-term service:
Emergency service (regular installation and removal charges apply as specified below under 3 months' service)—
Flat-rate individual line or residence No. 2 private branch-exchange trunk line—
First day $3.00
Each additional day 0.75
Message-rate trunk line and private branch-exchange station (either or both)—
First 3 days $5.00
Each additional week (charge not to exceed annual rate) 1.00
Three-month periods:
Flat rates—Business—
Individual line 21.00
Party line, per station 18.00
Flat rates—Residence—
Individual line or No. 2 private branch-exchange trunk line 18.00
Party line, per station 15.00
Message rates—Private branch-exchange trunk line (no installation charge), $21.
Service continuing beyond the initial 3 months' period is charged for at a rate for each whole month equal to one-ninth the difference between the short-term rate and the annual rate for similar service, with a charge prorata for fractional parts of a month.
The following charges are made in addition to the rates quoted above for installation and removal of equipment furnished for short periods:
If instrument is on premises and inside wiring and drop wiring are in place $2.00
If both inside wiring and drop wiring are in place, but it is necessary to furnish an instrument 3.00
If either inside wiring or drop wiring is in place—but not both—and instrument must be installed 4.00
If it is necessary to install inside wiring, drop wiring, and instrument 5.00
Excess exchange-line mileage (mileage is charged on the air-line distances, beyond 2 miles from the central office for individual, 2-party, and 6-party line service, and on route measurements, beyond 6 miles from the central office for rural lines):
Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof $2.50
Two-party line, per station, per quarter-mile or fraction thereof 1.00
Six-party line, per station, per quarter-mile or fraction thereof 0.50
Rural line, per station, per quarter-mile or fraction thereof 0.50
Extension and tie-line mileage: Charges are computed on route measurements.
Extension lines:
First half-mile or fraction thereof $10.00
Each additional quarter-mile or fraction thereof 5.00
Tie lines, between switchboards in the same exchange:
Switchboards contracted for by the same subscriber in separate buildings—
First mile or fraction thereof, $35.
Each additional quarter-mile or fraction thereof, $8.75. When the switchboards are in the same building and only inside wiring is required, the minimum charge per line is $10.
Switchboards contracted for by different subscribers in separate buildings (not more than 3 private branch exchange switchboards of different subscribers will be connected together by means of tie lines)—
First mile or fraction thereof $60.00
Each additional quarter-mile or fraction thereof 15.00
Extra directory listings:
Business or residence 3.00
Names of tenants in hotels and apartment houses 5.00
Joint-user service:
Flat rates—Individual line or private branch exchange, one-half of annual rate, not to exceed $50.
Message rates—Individual line or private branch exchange, $5.
Moving charges:
Individual or party-line stations or No. 1 private branch exchange stations—
Inside move—
25 feet or less of inside wiring necessary $1.00
Over 25 feet of inside wiring necessary 2.00
Outside move—
Drop and inside wiring necessary and instrument to be placed 5.00
Drop or inside wiring (1 only) necessary and instrument to be placed 4.00
No wiring necessary, but instrument to be placed 3.00
No wiring necessary and instrument in place 2.00
When a main-station, extension-station, and other station equipment are moved at the same time, the work practically constituting one job, full charge is made for moving the main station, and one-half the scheduled charges for moving the other apparatus.
Moves of switchboards, entire No. 1 private branch exchange systems or No. 2 private branch-exchange stations are made at actual cost.
At any time after the expiration of the initial contract period the subscriber may extend his contract for another contract period in lieu of payment of the above charges.

BROOK PARK, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Business station, individual line $18.00
Residence station, individual line 12.00
Rural stations 12.00
Rural-connecting telephone companies, $2.50 per circuit per month and 10 cents each for all stations in excess of 10 to a circuit.

BUFFALO, N. Y.

NET ANNUAL EXCHANGE RATES OF THE FEDERAL TELEPHONE & TELEGRAPH CO. IN EFFECT MAY 1, 1913.

[Exchange area includes Buffalo, Lackawanna, West Seneca, Checktowaga, Williamsville, Kenmore, Sloan, Gardenville, Roland, and Blasdell.]

Individual and party-line service:
Business—
Individual line (limited 1,600 messages), 3 cents additional $48.00
Individual line, unlimited 72.00
2-party line, unlimited 60.00
4-party line, unlimited 36.00
Extension 12.00
Residence—
Individual line, unlimited 36.00
4-party line, unlimited 24.00
Extension 6.00

BUFFALO, N. Y.—Continued.

Private branch exchange:
- Switchboards, each $20.00
- Trunks, 2-way, each 72.00
- Trunks, 1-way, each 36.00
- Extensions on same premises, first 20, each 12.00
- Extensions, each additional 6.00

Intercommunicating system:
- Trunks, 2-way, each 72.00
- Trunks, 1-way, each 36.00
- Stations, each 15.00

Business listings—
- Nonsubscribers, each 6.00
- Subscribers, each 1.00

Residence listings 1.00
- No listings accepted occupying more than 1 line.

Miscellaneous service:
- Jackpoints 5.00
- Loud-ringing gongs 5.00
- Extension bell 3.00
- Extension private line equipment 4.50
- Key cutout 1.50
- Unequipped wires (within a radius of 1 mile), per pair 50.00
- Special exchange service, per line 80.00
- Private line independent of central office, if run aerial, are figured on the basis of $40 per mile and $12 per instrument. If run through company cables for a distance not exceeding 1 mile, $25 per circuit and $12 per station. If the distance between the two points is greater than 1 mile, special rates are made.

Moving charges:
- A charge of $3 will be made for moving stations installed under the Metropolitan contract.
- A charge at cost will be made for moving stations installed under contracts other than the Metropolitan contract.

BUFFALO, N. Y.

NET ANNUAL EXCHANGE RATES OF THE NEW YORK TELEPHONE CO. IN EFFECT AUG. 20, 1914.

[The local service area includes Buffalo, Kenmore, and Sloan.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Both-way auxiliary line.	Extension station.
Business	$84.00	$60.00	.....	$63.00	$12.00
Residence	48.00	36.00	$30.00	36.00	6.00

Message rates.

Local messages per annum.	Individual line.	2-party line.	4-party line.	Additional local messages (cents).	Both-way auxiliary line.	Extension station.
Business:						
1,000	.....	$42.00	.....	4	.....	$6.00
1,200	[1] $60.00	.....	.....	5	$30.00	6.00
Residence:						
600	.....	.....	$24.00	4	.....	6.00
800	36.00	.....	.....	4	30.00	6.00

[1] Additional messages, 4 cents each if contracted for in advance in lots of 200.

No. 1 private branch exchanges:
- Commercial and department store—Flat rates (contracts are not accepted for less than 2 stations, excluding operators' telephones)—
  - Switchboard, cordless, with battery power, and an operator's telephone. $18.00
  - Switchboard, cord, with battery power, and an operators' telephone for each position—
    - First position $36.00
    - Additional positions, each 24.00
  - Trunk lines, both-way only 84.00
  - Stations, each—
    - First 20 ..... 12.00
    - Over 20 ..... 6.00
  - Ringing circuit (no additional charge if subscriber contracts for either 3 trunk lines or 20 stations) $18.00
- Commercial and department store—Message rates—

	Schedule I.	Schedule II.
Switchboard, cord or cordless, with battery power, an operator's telephone for each postion, 2 both-way trunk lines, 3 stations, and the number of local messages indicated	$202.00	$222.00
Local messages per annum	3,500	5,000
Additional trunk lines, both-way only, each	[1] $36.00	[1] $36.00
Additional stations, main or extension—		
First 17, each	$12.00	$12.00
In excess of total of 20 stations, each	$6.00	$6.00
Additional local messages, each	$0.03	$0.03
Ringing circuit	[2] $24.00	No additional charge.

[1] A trunk line is furnished without additional charge with each 5,000 additional local messages covered by contract.
[2] No additional charge if subscriber contracts for either 3,600 local messages or 20 stations.

BUFFALO, N. Y.—Continued.

No. 1 private branch exchanges—Continued.
- Hotel and apartment house—Message rates—
  - Switchboard, with battery power and an operator's telephone for each position, $36.
  - Stations, main or extension, each $6. No station charge for stations, including booth equipment, placed in public corridors for the use of the general public.
  - Trunk lines, both-way only, no additional charge.
  - Local messages, public telephone rate.
  - Ringing circuit, $24. No additoinal charge if the subscriber contracts for 20 stations.

No. 2 private branch exchanges. (An installation charge is made to cover the cost of construction of circuits between stations, including labor and material):
- Business—Flat rates—
  - Trunk lines, both-way only, each $74.00
  - Stations with switching devices, each—
    - Equipped for 10 lines 12.00
    - Equipped for 20 lines 15.00
    - Equipped for 30 lines 18.00
  - Stations without switching device, each 6.00
- Business—Message rates—
  - First trunk line, both-way only, and 1,200 local messages $54.00
  - Additional trunk lines, both-way, each 30.00
  - Stations with switching device, each—
    - Equipped for 10 lines 12.00
    - Equipped for 20 lines 15.00
    - Equipped for 30 lines 18.00
  - Stations without switching device, each 6.00

No. 1 residence system (an installation charge is made, to cover the cost of construction of circuits between stations, including labor and material):
- Flat rates—
  - Trunk lines, both-way only, each $42.00
  - Stations with switching device, each—
    - Equipped for 10 lines 12.00
    - Equipped for 20 lines 15.00
    - Equipped for 30 lines 18.00
  - Stations without switching device, each 6.00
- Message rates—
  - First trunk line, both-way only, including 800 local messages 30.00
  - Additional trunk lines, both-way only, including no messages, each 30.00
  - Stations without switching device, each—
    - Equipped for 10 lines 12.00
    - Equipped for 20 lines 15.00
    - Equipped for 30 lines 18.00
  - Stations without switching device, each 6.00
  - Additional local messages, each 0.04

Short-term service:
- Individual and party lines—
  - *Flat rates.*—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than one year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for one month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

BUFFALO, N. Y.—Continued.

Short term service—Individual and party lines—Continued.

Message rates.—When the number of messages under a message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.

Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in one year.

Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

Private branch exchanges:

Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.

Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.

Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.

Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals, or exceeds, the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in one year.

Excess exchange line mileage (charges are computed on route measurement beyond the base rate area):

Individual line, or private branch exchange trunk line, per quarter-mile or fraction thereof	$6.00
Two-party line, per station, per quarter-mile or fraction thereof	3.50
Four-party line, per station, per quarter-mile or fraction thereof	2.00
Extension and tie-line mileage (charges are computed on route measurement), per quarter-mile or fraction thereof	7.50
Extra directory listings, business or residence, each	3.00

Moving charges:

Individual or party line, main or extension station or No. 1 private branch exchange station—

Inside move	No charge.
Outside move, during first year or within one year from last free move—	
Main station moved independently	$3.00
Main station moved in conjunction with and to same address as switchboard	1.00
Extension station moved independently of main station	3.00
Extension station moved in conjunction with and to same address as main station	1.00

Private branch exchange switchboards—

Inside move during first year or within one year from last free move:

	Same room.	Another room.
Cordless, 10 lines or less	$5.00	$8.00
Cord board, 40 lines or less	10.00	18.00
Cord board, over 40 lines	Estimated cost.	

Outside move during first year or within one year from last free move—

Cordless, 10 lines or less	$10.00
Cord board, 40 lines or less	18.00
Cord board, over 40 lines	Estimated cost.

No. 2 private branch exchanges and No. 1 residence systems: First or subsequent years, estimated cost.

CADILLAC, MICH.

NET ANNUAL EXCHANGE RATES OF THE CITIZENS TELEPHONE CO. IN EFFECT APR. 28, 1914.

[Exchange area includes Cadillac and rural territory adjacent.]

Individual and party-line service flat rates:

	Individual line.	4-party line.
Business	$24.00	$21.00
Residence	18.00	15.00

Rural party line $15.00

Rural party-line rates increase for distance beyond 6 miles or less than 8 on line.

CAMBRIDGE, MASS.

NET ANNUAL EXCHANGE RATES OF THE NEW ENGLAND TELEPHON & TELEGRAPH CO.

[Cambridge is included within the Boston, Mass., Metropolitan District, the rates for which are described in the statement under Boston, Mass.]

CAMBRIDGE, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Business station, individual line	$18.00
Residence station, individual line	12.00
Rural station	12.00
Business station, summer season	15.00
Residence station, summer season	10.00

Connecting telephone companies, $2.50 per circuit per month and 10 cents each for all stations in excess of 10 to a circuit.

CAMDEN, N. J.

NET ANNUAL EXCHANGE RATES OF THE DELAWARE & ATLANTIC TELEGRAPH & TELEPHONE CO. IN EFFECT AUG. 20, 1914.

[The local service area includes Camden and Woodlynne, N. J.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Both-way auxiliary line.	Extension station.
Business	$60.00	$48.00	$39.00	$42.00	$6.00
Residence	36.00	30.00	24.00	.....	6.00

Message rates (business only).

Local messages per annum.	Individual line.	Additional local messages (cents).	Extension station.
600	$36.00	4	$6.00
800	42.00	4	.....
1,000	48.00	4	.....
1,200	54.00	4	.....

Additional local messages, $3 per 100 if contracted for in advance.

Rural line service:

Business	$39.00
Residence	24.00

No. 1 or No. 2 private branch exchange service:

Business or residence—Flat rates—

Switchboard and an operator's telephone, or receiving station and switching devices, with battery power	$30.00
First both-way trunk line, business	60.00
Additional both-way trunk lines, business, each	42.00
Trunk lines, both-way, residence, each	36.00
Stations, main or extension, each	6.00

Ringing power.—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.

Business or residence—Message rates—

Switchboard and an operator's telephone, or receiving station and switching devices, with battery power	$24.00
Trunk lines, both-way, each	24.00
Stations, main or extension, each	6.00
Local messages, guarantee 1,200, each	0.03
Additional local messages, each	0.04
If contracted for in advance, in lots of 100, each	0.03

Ringing power.—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.

Hotel.—Message rates (contracts are not accepted for less than 20 stations, excluding operators' telephones)—

Switchboard, cord only, with battery power, ringing circuit and an operator's telephone for each position, $24.

Trunk lines, both-way only, no additional charge. For flat-rate trunk lines, see the following paragraphs.

Stations, main or extension, each, $6. No additional charge is made for the stations and booth equipment, installed in public corridors for the use of the general public.

Local messages.—The subscriber, as the company's agent, charges patrons the regularly established public-telephone rates for all local and toll messages and receives a commission on all charges for local and toll messages originating at the private branch exchange system.

Hotel.—Message rates—With flat-rate trunk lines—

Flat-rate trunk lines may be connected with hotel message-rate private branch-exchanges for use in connection with flat-rate business stations, which may be provided only for the use of officials and employees of the hotel. Under such an arrangement the flat-rate trunk lines terminate on special cords, the plugs of which do not fit the message-rate station jacks. Stations which are to have flat-rate service are equipped with two jacks to permit connections with either the flat-rate or message-rate trunk lines, and with any other private branch-exchange station. Flat-rate trunk lines are not listed in directory.

Flat-rate trunk lines are charged for at the rates given under the standard schedules for business flat-rate private branch-exchange service. The charges for the switchboard and for those stations which are equipped for connection with the flat-rate trunk lines are equal to the sum of the respective standard rates which regularly apply under the business flat-rate and hotel message rate schedule.

CAMDEN, N. J.—Continued.

Short-term service:

Individual and party lines—

Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than one year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for one month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Message rates.—When the number of messages under a message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.

Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in one year.

Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

Private branch exchanges:

Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.

Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.

Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.

Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals or exceeds the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in one year.

CAMDEN, N. J.—Continued.

Excess exchange line mileage (charges are computed on air-line distances beyond the base-rate area):
- Individual line, per quarter-mile or fraction thereof $5.00
- Two-party line, per subscriber, per quarter-mile or fraction thereof 3.00
- Four-party line, per subscriber, per quarter-mile or fraction thereof 2.00

Extension and tie-line mileage (charges are computed on route measurement), per quarter-mile or fraction thereof 5.00

Extra directory listings, business or residence, each 3.00

Joint-user service, business flat rate, individual or party line, one-half regular rate.

Moving charges:
- Individual or party line, main or extension station or No. 1 private branch-exchange station, during the first year or within one year from the last free move—
  - Inside move $1.00
  - Outside move—
    - Main station moved independently 3.00
    - Main station moved in conjunction with and to same address as switchboard 1.00
    - Extension station moved independently 3.00
    - Extension station moved in conjunction with and to same address as main station 1.00
- Private branch exchange switchboards under annual contracts, during the first year or within one year from the last free move—

	Same room.	Another room.
Inside move:		
Cordless switchboard, 10 lines or less	$5.00	$8.00
Cord switchboard, 40 lines or less	10.00	18.00
Cord switchboard, over 40 lines	At cost.	At cost.
Outside move:		
Cordless switchboard, 10 lines or less		$10.00
Cord switchboard, 40 lines or less		18.00
Cord switchboard, over 40 lines		At cost.
Trunk line, tie line, or outside extension line (switchboard terminal)		$2.00

No. 2 private branch exchanges, during the first or subsequent years ..... At cost.

CANTON, OHIO.

NET ANNUAL EXCHANGE RATES OF THE STARK COUNTY TELEPHONE CO. IN EFFECT JUNE 30, 1911.

Individual and party-line service:

	Individual line.	2-party line.	4-party line.
Business	$36.00	$30.00	.....
Residence	24.00	18.00	$15.00

Rural lines:
- Business, up to 10 parties on line $24.00
- Residence, up to 10 parties on line 18.00
- Extension station 8.00
- Extra name service in directory 10.00
- Extra listing in directory 3.00

Private branch exchanges:
- Trunk (first) 36.00
- Trunk (each additional) 30.00
- Station 12.00

Moving charges:
- For moving station within the same premises 1.00
- For changing station at request of the subscriber 2.00
- For change of location not within the same premises, if made within a year after installation 2.50

CARROLLTON, ILL.

NET ANNUAL EXCHANGE RATES OF THE ILLINOIS TELEPHONE CO., IN EFFECT DEC. 31, 1914.

Business	$24.00
Business with extension on same line in same building	36.00
Residence	12.00
Residence with extension on same line in same building	18.00

CHARLESTON, S. C.

NET ANNUAL EXCHANGE RATES OF THE SOUTHERN BELL TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 17, 1914.

Individual and party-line service:

Note.—Where the same charge is shown for service with different numbers of subscribers on a circuit, under business or residence flat rates or message rates, the lower grades of service are ordinarily employed only beyond the base-rate area, with mileage charges.

Flat rates.

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Extension station.
Business	$60.00	$48.00	$48.00	$30.00	$18.00
Residence	36.00	24.00	24.00	.....	Wall set, 12.00 Desk set, 18.00

Message rates (on monthly guarantee basis).

	Local messages per annum.	Individual line.	2-party line.	4-party line.	Additional local messages (cents).	Extension station.
Business	1,200	$36.00	$36.00	$36.00	3	$18.00
Limit of charge per month	.....	6.00	5.00	5.00	.....	
Residence	600	.....	.....	18.00	.....	
Limit of charge per month	.....	.....	.....	3.00	3	Wall set, 12.00 Desk set, 18.00

CHARLESTON, S. C.—Continued.

Individual and party-line short-term service:
Emergency service.—The charge is the regular monthly rate for the period of service, plus the estimated expense of installation and disconnection.
Season service.—For not less than 4 months the charge is the regular rate for the period of service, plus 50 per cent.
Private branch exchange service:
No. 1 private branch exchanges (contracts are for periods of 5 years).—
Commercial and department store—Flat rates—
Switchboard, cord or cordless, with one operator's telephone, $1 for each station originally connected, minimum charge $24. When a considerable number of stations are subsequently connected or disconnected, the switchboard charge is modified accordingly.
Trunk lines, both-way, each..... $90.00
Trunk lines, incoming, each..... 45.00
Stations, main or extension, each..... 12.00
Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 36 cents per annum for each station, including operators' telephones. The maximum charge is $2 per annum per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 30,000.
Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum, and a power charge of $6 per annum.
Commercial and department store—Message rates—
Switchboard, cord or cordless, with one operator's telephone, $1 for each station originally connected, minimum charge, $24. When a considerable number of stations are subsequently connected or disconnected, the switchboard charge is modified accordingly.
Trunk lines, both-way, each..... $48.00
Trunk lines, incoming, each..... 36.00
Stations, main or extension, each..... 6.00
Local messages.—One local message per month is allowed, without additional charge, for each 3 cents charged per month for trunk lines. No message allowance is included in charges for switchboard, stations, battery power, or ringing circuit. Additional local messages, each, 3 cents.
Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit, and a power charge of 36 cents per annum for each station, including operators' telephones. The maximum charge is $2 per annum per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 30,000.
Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum, and a power charge of $6 per annum.
Hotel and apartment house—Message rates—
Switchboard, cord or cordless, with one operator's telephone, 30 per cent of the cost, installed.
Trunk lines, both-way or incoming, each, $36. The average number of originating local messages per month for each trunk line in service must be 200 or more before an additional trunk line will be furnished.
Stations, main or extension, each—
When company installs and maintains inside wiring..... $6.00
When subscriber installs and maintains inside wiring..... 4.00
Local messages.—One local message per month is allowed, without additional charge, for each 3 cents charged per month for trunk lines. No message allowance is included in charges for switchboard, stations, battery power, or ringing circuit. Additional local messages, each, 3 cents.
Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit, and a power charge of 12 cents per annum for each station, including operators' telephones. The maximum charge is 50 cents per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 120,000.
Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum, and a power charge of $6 per annum.
No. 2 private branch exchanges:
Business and residence—Flat rates (contracts are for periods of either 1 or 3 years. Under 1-year contracts subscribers pay the actual cost of cabling, including the cost of labor and material. Under 3-year contracts subscribers pay the actual cost of cabling in excess of 50 feet for any station, including the cost of labor and material. The maximum equipment furnished is that for 10 lines).

	One-year contract.	Three-year contract.
Trunk lines, both-way, each:		
Business	$90.00	$90.00
Residence	54.00	54.00
Trunk lines, incoming, each:		
Business	45.00	45.00
Residence	27.00	27.00
Receiving station, with switching device	18.00	24.00
Stations, main or extension, with switching device, each	12.00	15.00
Battery power and ringing circuit	15.00	15.00

Excess exchange-line mileage: Charges are computed on air-line measurements beyond the city limits at $5 per quarter-mile or fraction thereof and are quoted on a "per line" basis. On unfilled party lines the total charge for mileage bears the same relation to the above rate as the number of subscribers connected bears to the number that may be connected on that type of line. Under message-rate contracts 1 local message per month is allowed, without additional charge, for each 3 cents per month of the mileage charge.
Extension and tie-line mileage—
Extension lines, per quarter-mile or fraction thereof..... $5.00
Tie lines, per quarter-mile or fraction thereof..... 10.00
Under message-rate contracts one local message per month is allowed, without additional charge, for each 3 cents per month of the mileage charge.

CHARLESTON, S. C.—Continued.

Extra directory listings, each, per annum, $3. Under message-rate contracts one local message per month is allowed, without additional charge, for each 3 cents per month of the charge for listings.
Joint-user service:

	Business.	Residence.
Flat rates:		
Individual line	$24.00	$12.00
Two-party line	18.00	6.00
Four-party line	18.00	6.00
Message rates:		
Individual line	12.00	.....
Limit of charge per month	2.00	.....
Two-party line	12.00	.....
Limit of charge per month	2.00	.....
Four-party line	12.00	6.00
Limit of charge per month	2.00	1.00

Under message-rate contracts one local message per month is allowed, without additional charge, for each 3 cents per month charged for joint-user service.
Moving charges:
Move to another location in the same office or room, each station..... $1.00
Move to another location in the same building, each station..... 2.00
Move to another building, together with extensions and supplemental equipment, if any, each main station..... 3.00
Changing service from individual to party line, each main station..... 2.50
Changing party-line subscriber to another party line, at subscriber's request..... 2.50
Changing equipment at subscriber's request, when the change is not required for the efficiency of the service..... 1.50
Any move of a private branch-exchange switchboard together with all associated stations and apparatus to another location on the same or different premises, estimated cost of labor and material.

CHATTANOOGA, TENN.

NET ANNUAL EXCHANGE RATES OF THE CUMBERLAND TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 17, 1914.

[The base-rate area of the Chattanooga exchange coincides with the municipal area. The territory adjacent to the northern and southern boundaries of the municipal area, and within which there is a continuous development, is divided into a series of zones. These zones are designated by numbers, the lower numbers indicating the nearby or inner zones. Although somewhat irregular in shape, the zones are approximately one-half mile in width. They do not completely encircle the base-rate area, owing to the natural barriers formed by Mission Ridge and the Tennessee River on the easterly and westerly sides of the city. The northerly sections of certain of the nearby zones, however, extend somewhat to the west of the Tennessee River. The portions of the zone areas lying on the west side of the river are designated by adding the suffix "a" to the zone numbers. The southerly section of Zone 6 extends over the state boundary and that portion of the zone area within the state of Georgia is also designated by adding the suffix "a" to the zone number. Mileage charges to all points within a given zone are averaged so that the same rates are available to all subscribers within that zone. These rates are indicated below as zone rates.]

Individual and party-line service—Flat rates—

	Individual lines only.		Extension station.
	Business.	Residence.	
Base-rate area (Zone 1)	$48.00	$24.00	$12.00
Zone 1a	51.00	27.00	12.00
Zone 2 and Zone 2a	55.92	30.00	12.00
Zone 3 and Zone 3a	60.00	33.00	12.00
Zone 4 and Zone 4a	67.92	36.00	12.00
Zone 5	69.96	39.00	12.00
Zone 6	72.00	42.00	12.00
Zone 6a	79.92	48.00	12.00
Zone 7	96.00	48.00	12.00

Short-term service:
Short-term service and season service is furnished at 37 per cent of the annual rate for the class of service desired for the first 3 months or fraction thereof, plus 7 per cent of the annual rate for the class of service desired, for each month in excess of the first 3 months.
For very short periods, as during illness, and in other cases where this rate would be excessive, approval is given to accept cancellations upon payment of regular charges for the period of service, minimum 1 month, plus a percentage of the installation and disconnection costs, determined by the ratio of the unexpired portion of the contract period to the full contract period, plus an estimated depreciation on equipment and material.
Private branch exchange service:
No. 1 private branch exchanges (contracts are for periods of 3 years. Contracts are not taken for less than 2 trunk lines)—
Commercial and department store—Flat rates—
Switchboard, cord or cordless, with battery power, ringing circuit, and an operator's telephone for each position—
Equipped for 20 lines or less..... $60.00
Equipped for 21 lines or more..... 120.00
Trunk lines, both-way, each..... 72.00
Stations, each..... 12.00
Hotel and apartment house—Message rates—
Switchboard, cord or cordless, with one operator's telephone, 30 per cent of the cost, installed.
Trunk lines, both-way or incoming, each, $36. The average number of originating local messages per month for each trunk line in service must be 200 or more before an additional trunk line will be furnished.
Stations, main or extension, each—
When company installs and maintains inside wiring..... $6.00
When subscriber installs and maintains inside wiring..... 4.00

CHATTANOOGA, TENN.—Continued.

Private branch exchange service—Continued.
No. 1 private branch exchanges—Continued.
Hotel and apartment house—Message rates—Continued.
Local messages.—One local message per month is allowed, without additional charge, for each 3 cents charged per month for trunk lines. No message allowance is included in charges for switchboard, stations, battery power, or ringing circuit. Additional local messages, each, 3 cents.
Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit, and a power charge of 12 cents per annum for each station, including operators' telephones. The maximum charge is 50 cents per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 120,000.
Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum, and a power charge of $6 per annum.
No. 2 private branch exchanges—
Business and residence—Flat rates (contracts are for periods of either 1 or 3 years. Under 1-year contracts subscribers pay the actual cost of cabling, including the cost of labor and material. Under 3-year contracts subscribers pay the actual cost of cabling in excess of 50 feet for any station, including the cost of labor and material. The maximum equipment furnished is that for 10 lines).

	One-year contract.	Three-year contract.
Trunk lines, both-way, each	1½ individual line, business or residence rate.	1½ individual line, business or residence rate.
Receiving station, with switching device.	$18.00	$24.00.
Stations, with switching device, each.	$12.00	$15.00.
Battery power and ringing circuit	$15.00	$15.00.

Excess exchange line mileage:
Individual line, per mile or fraction thereof, route measurement $6.00
Rural line, per station, per mile or fraction thereof, route measurement .. 3.00
Extension line mileage, per quarter-mile or fraction thereof, route measurement 7.50
Extra directory listings, business or residence 3.00
Joint-user service, business or residence 12.00
Moving charges:
Individual line—
Moving within the same room $1.00
Moving within the same building 2.00
Moving to another building 3.00
Private branch exchanges, actual cost.

CHICAGO, ILL.

NET ANNUAL EXCHANGE RATES OF THE CHICAGO TELEPHONE CO. IN EFFECT AUG. 20, 1914.

In the city of Chicago two schedules of exchange rates are in force, namely: Schedule I, known as "Metropolitan rates," and Schedule II, known as "Neighborhood rates."

Metropolitan rates are available, without mileage charges, to all subscribers within the city limits and, to subscribers at metropolitan rates, the local service area coincides with the municipal area. Metropolitan rates are the only rates available in the "down-town" or central section of the city. Patrons outside of the city limits may subscribe for metropolitan service by payment of foreign exchange line mileage charges in addition to the charges shown under the schedule of metropolitan rates.

In addition to the metropolitan rates, neighborhood rates are available, without mileage charges, to all subscribers in 13 Chicago central office districts (including 4 potential central office districts). These central office districts are each known as a neighborhood area and, taken together, comprise about one-half of the municipal area. Neighborhood areas are localities outside of the center of the city where there is a community of development. The portion of such a community outside the city is served from the Chicago central office which serves the neighborhood area within the city limits; the area outside of the city being treated as a potential suburban exchange. Neighborhood rates are available in potential suburban exchanges and stations of neighborhood subscribers in such exchanges carry a distinctive central office designation.

It will be noted that only metropolitan rates are quoted in the central section of the city; both metropolitan rates and neighborhood rates are quoted in the outlying sections of the city (about one-half the municipal area); and, except by payment of foreign exchange line mileage charges, only neighborhood rates are quoted in suburban localities served from Chicago central offices and adjacent to the Chicago central office districts in which both metropolitan and neighborhood rates apply.

SCHEDULE I—METROPOLITAN RATES.

Schedule I is available to all subscribers in the city of Chicago, and the local service area coincides with the municipal area.

Flat rates.

Residence only:
Individual line $72.00
2-party line 56.00
Extension station 6.00

CHICAGO, ILL.—Continued.

SCHEDULE I—METROPOLITAN RATES—continued.

Message rates.

Local messages per annum.	Individual line.	Additional local messages.	Both-way auxiliary line.[1]	Extension station.
Business:				
960	$48.00	First 240, 5 cents; next 1,200, 3 cents; next 1,200, 2½ cents; all others, 2 cents.	$24.00	$6.00
1,200	60.00	First 1,200, 3 cents; next 1,200, 2½ cents; all others, 2 cents.	.....	.....
6,000	[2] 125.04	2 cents	.....	.....
7,200	[3] 198.00	2 cents	.....	.....
Residence:				
800	40.00	First 400, 4 cents; next 1,200 3 cents; next 1,200, 2½ cents; all others, 2 cents.	.....	6.00
7 200	[3] 194.00	2 cents	.....	.....

[1] Without message allowance.
[2] Guarantee of 500 messages per month; no refund for unused messages.
[3] Including an auxiliary line and station. Each 6,000 local messages, in excess of 7,200, with an additional auxiliary line and station, $120.

Subscribers' coin-box rates.

	Guarantee.[1]	Computed minimum annual charge.	Local messages (cents).[2]	Extension station.
Business:				
1-party	4 local messages per day	$73.00	5	$6.00
2-party	2½ local messages per day	45.65	5	6.00
Residence:				
1-party	4 local messages per day	73.00	5	6.00
2-party	2 local messages per day	36.50	5	6.00
4-party	1 local message per day	18.25	5	6.00

[1] In the adjustment of guarantees, collections are averaged for a period of 60 days before and after any given collection.
[2] Local messages in excess of the guarantee, 4 cents each, except in connection with those stations where postpayment coin boxes have not been replaced by prepayment coin boxes, when the rate for local messages in excess of the guarantee is 5 cents.

SCHEDULE II—NEIGHBORHOOD RATES.

Schedule II is available in 13 neighborhood areas in the city of Chicago and is also available in certain potential suburban exchanges adjacent to these neighborhood areas, as follows:

Central office districts in the city of Chicago where neighborhood rates are available.	Potential suburban exchanges in which neighborhood rates are available and which are adjacent to Chicago neighborhood areas.
Neighborhood Area 1.—Beverly	Mount Greenwood (served from Beverly).
Neighborhood Area 2.—Rogers Park	Birchwood (served from Rogers Park).
Neighborhood Area 3.—Norwood Park	Niles (served from Norwood Park).
Neighborhood Area 4.—Irving	Ridgemoor (served from Irving).
Neighborhood Area 5.—Austin.	
Neighborhood Area 6.—Mont Clare (served from Austin).	
Neighborhood Area 7.—West Pullman	Perry (served from West Pullman).
Neighborhood Area 8.—Riverdale	Dalton (served from Riverdale).
Neighborhood Area 9.—Hegewisch (served from South Chicago).	Burnham (served from South Chicago).
Neighborhood Area 10.—South Chicago	Lake Shore (served from South Chicago).
Neighborhood Area 11.—Burnside	
Neighborhood Area 12.—Chicago Lawn (served from Wentworth).	
Neighborhood Area 13.—Stewart (served from the Stewart Metropolitan central office).	

The local service area to neighborhood subscribers, in each case, includes both metropolitan and neighborhood subscribers within the respective neighborhood areas and within the associated adjacent potential suburban exchange areas in those cases where such suburban areas are shown. In addition thereto the local service area to neighborhood subscribers in Austin includes metropolitan subscribers in Mont Clare, and the local service area to neighborhood subscribers in Chicago Lawn and Stewart includes both metropolitan and neighborhood subscribers in both of these areas, together with all metropolitan subscribers in Wentworth and Stewart (Metropolitan) central office districts.

Messages from a station at neighborhood rates to a station within the city of Chicago and outside of the above described local service area for that station, are charged for as toll messages.

CHICAGO, ILL.—Continued.

SCHEDULE II—NEIGHBORHOOD RATES—continued.

Flat rates.

	Individual line.	2-party line.	4-party line.	Extension station.
Business	$48.00	$36.00	$24.00	$6.00
Residence	36.00	24.00	18.00	6.00

Short-term service.—Message-rate contracts with a monthly guarantee of 500 local messages, first month, $25. Each additional month, $10.42.

No. 1 private branch exchanges.—Under the provisions of an ordinance passed by the city council of the city of Chicago, private branch-exchange switchboards are furnished, without additional charge, to all message-rate subscribers requesting them, who contract for 2 or more individual lines at the same premises. The rates for trunk lines and local messages are the same as for individual lines and local messages. Private branch-exchange stations are furnished at the extension-station rate. Additional both-way trunk lines, without message allowance, are furnished at the auxiliary-line rate. A subscriber who contracts for one or more individual lines at neighborhood rates at premises at which he employs private branch-exchange service under metropolitan rates, has the privilege of connecting the neighborhood service lines to the private branch exchange switchboard.

Extension and tie-line mileage: (charges are computed on the shortest street distance.)

Extension lines—

First half-mile or fraction thereof $20.00

Each additional quarter-mile or fraction thereof 10.00

Tie-lines, between switchboards in the same building contracted for by the same subscriber 12.00

Extra directory listings.—All classes of message-rate or flat-rate service, except the individual-line business-message rate with guarantee of 500 local messages per month, $3.

Moving charges:

Individual or party-line station—

On same premises—

Business, actual cost, not to exceed $5.

Residence, actual cost, not to exceed $2.50.

To another premises, $5.

If line and station are already in place at the new location, $1.

Private branch-exchange systems, actual cost.

When service has been used at the same location for a period of one year or more subscribers may extend the contract for the ensuing year in lieu of payment of the above moving charges.

CHICAGO, ILL.

NET ANNUAL EXCHANGE RATES OF THE ILLINOIS TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1913.

Individual and party-line service:

	Individual line.	2-party line.	4-party line.	Extension station.
Business	$81.00	$51.00	$36.00	$6.00
Residence	42.00	30.00	18.00	6.00

Private branch exchanges:

Trunks, each $84.00

Automatic stations—

10 or less 21.00

11 to 15, inclusive 18.00

16 or more 15.00

Extensions 6.00

Private-line rates:

First mile or less $40.00

Each additional quarter-mile or fraction thereof 10.00

Stations, each 6.00

Broker's rate, each line 36.00

Group service:

Four stations only installed, rate $118.00

This is a four-party line business-group service installed in offices only.

Corwin intercommunicating systems:

Stations $9.00

Trunks 84.00

Building intercommunicating service with outside telephone service:

Rate, not less than 100 stations, each $30.00

Extensions, each 6.00

Pay stations:

Main-line guaranty pay stations for business houses, $18. Subscriber to receive 50 per cent of money deposited in coin box over this amount.

Pay stations to be installed in drug stores, cigar stores, candy stores, saloons, department stores, theater lobbies, and other public places on no-guaranty basis. Subscriber to receive 50 per cent of all money deposited in coin box.

Extra-name charges.—Extra-name charges shall be 25 cents per month, commencing with the appearance of name in directory. No extra names on pay-station contracts.

Buzzer circuits.—One-way buzzer circuits installed on extension telephone free of charge, when distance does not exceed 100 feet. Where distance between main line and extension exceeds 100 feet, subscriber will pay the additional cost plus 10 per cent for supervision. When 2-way buzzers are installed, subscriber shall pay 50 per cent of cost plus 10 per cent for first 100 feet or less, and the total cost of all over 100 feet plus 10 per cent for supervision.

Long runs on extensions.—When an extension set is other than on the same floor as the main line station on subscriber's premises, an additional initial charge shall be made for installing same, covering additional labor and material involved. When subscriber desires extension in other than same building as main line, the regular mileage charge as now employed shall apply.

CINCINNATI, OHIO, AND COVINGTON, KY.

NET ANNUAL EXCHANGE RATES OF THE CINCINNATI & SUBURBAN BELL TELEPHONE CO. IN EFFECT JULY 25, 1914.

Covington, Ky., is included within the Cincinnati, Ohio, local service area and all rates in the schedule given below, which are available in Cincinnati, are also available in Covington. With the exceptions noted, this schedule is also available to all subscribers in a number of suburban cities and towns which are included within the Cincinnati District and to all such subscribers the local service area coincides with the Cincinnati local-service area.

The Cincinnati local-service area embraces about 539 square miles and covers all of Hamilton County in the state of Ohio and all of Kenton County, together with the northern half of Campbell County, in the state of Kentucky.

In the four principal cities in the Cincinnati District, viz, Cincinnati and Norwood in Ohio, and Covington and Newport in Kentucky, the base-rate area is the area within 2 miles of a central office, while in the smaller cities and towns the base-rate area coincides with the municipal area. The rates available within a base-rate area are shown below as base rates. In the application of rates in the territory beyond a base-rate area, all of such territory within a radius of 4 miles of a central office, or, in some cases, 3 miles, depending on the density of population, is treated as a rate zone. For certain classes of service, in this zone, higher rates are in effect which are shown below as zone rates. No excess exchange line mileage is charged within the outer boundary of a rate zone, excepting as included in the zone rates.

In addition to the schedule shown below, under which the local service area covers the Cincinnati District, other schedules are available in some of the suburban towns, at lower rates, covering much smaller local service areas which ordinarily comprise only the town in which the subscriber is located and in no case include either Cincinnati or Covington.

Individual and party-line rate:

Flat rates.

	Individual line.	2-party line.	4-party line.	Auxiliary line.	Extension station.
Base rates:					
Business	$100.00	.....	.....	.....	$9.00
Residence	48.00	$30.00	.....	.....	9.00
Zones rates:					
Business	100.00	.....	.....	.....	9.00
Residence	60.00	42.00	$30.00	.....	9.00

Message rates.[1]

	Local messages per annum.	Individual line.	Auxiliary line.	Extension station.	Additional local messages (cents).
Base Rates:					
Business only	600	$48.00	.....	$9.00	3
Zone rates:					
Business only	600	60.00	.....	9.00	3

[1] Not available in suburban exchanges where rates are quoted for local service.

Subscribers' coin-box rates.

The rates shown below are available, without mileage charges, within the base area and the rate zone.

	Guarantee.	Computed minimum annual charge.	Local messages (cents).	Extension station.
Business, 1-party	$5 per month in local messages.	$60.00	[1] 5	$9.00
Business, 4-party	Two local messages per day.	36.50	[1] 5	9.00
Residence, 4-party	One local message per day.	18.25	[2] 5	9.00

[1] Refund of 1 cent per message on local message charges in excess of guarantee.
[2] Not available in suburban exchanges where rates are quoted for local service.

Rural-line service:

Ten-party flat-rate service is furnished outside of the zone area, without mileage charges, affording service to all stations in the Cincinnati district at the following rates:

Business $48.00

Residence 24.00

Extension stations 9.00

Short-term service:

Short-term service is furnished at the proportionate part of the annual rate plus an installation charge of $10, where contracts are taken for service for periods of less than one year, under all classes of service except residence subscriber's coin-box service and in all cases where annual contracts are terminated within the initial contract term, provided, however, that the station is located not more than 1,000 feet from the cable head or tap on a party line, and provided no extraordinary construction is required.

A short-term contract may be changed to an annual contract for the same class of service dating from the original date of installation, the subscriber receiving credit for the amount paid on the short-term contract.

Extension stations are charged for at the proportionate part of the annual rate for the period of use, plus an installation charge of $3.

In lieu of the regular installation charge, subscribers who contract for short-term service at locations where the line and instrument are intact are charged $1 per month in addition to the rate for short-term service, and such charges, if any, that may apply for moving the station or changing the equipment to suit the convenience of the subscriber.

Private branch exchange short-term service is furnished at the proportionate part of the annual rate, plus the cost of installation and removal.

CINCINNATI, OHIO, AND COVINGTON, KY.—Continued.

Private branch exchanges:
No. 1 private branch exchanges—
Commercial—Flat rates. (Under contracts where multiple switchboards are to be installed, subscribers are required to contract for a minimum of 2 trunk lines and 4 stations, excluding operating telephones)—
Switchboard, with battery power and operating telephones—
Nonmultiple, equipped for 50 lines or less (if 2 or more trunk lines are connected, nonmultiple switchboards equipped for 50 lines or less are furnished at $20 per annum) $60.00
Nonmultiple, equipped for over 50 lines, per line 1.00
Multiple, equipped for 300 lines or less, per line 3.00
Trunk lines, both-way only, each 100.00
Stations, each 20.00
Stations, for intercommunicating purposes only, each 9.00
Ringing circuit (no additional charge, with multiple switchboards) 36.00
Commercial—Message rates (flat-rate trunk lines may be connected to message-rate private branch exchange switchboards at the rate indicated)—
Switchboard, with battery power and operating telephones—
Nonmultiple, equipped for 50 lines or less (if 2 or more trunk lines are connected, nonmultiple switchboards equipped for 50 lines or less are furnished at $24 per annum) $60.00
Nonmultiple, equipped for over 50 lines, per line 1.00
Multiple, equipped for 300 lines or less, per line 3.00
Trunk lines, message rate, both-way only, each 30.00
Trunk lines, flat rate, both-way only, each 240.00
Stations, each 9.00
Local messages, each 0.03
Ringing circuit (no additional charge, with multiple switchboards) 36.00
Department store—Message rates—
Switchboard, with battery power, ringing circuit, and operating telephones, equipped for 100 lines or less 100.00
Trunk lines, first 10, both-way only, each 30.00
Additional trunk lines, both-way only, each 24.00
Stations, each 6.00
Local messages, each 0.03
Hotel—Message rates (subscribers bear the cost of wiring when the contract period is less than 5 years)—
Switchboard, with battery power and operating telephones, no additional charge.
Trunk lines, both-way only, no additional charge.
Stations, main or extension, each $6.00
Local messages, each 0.03
Ringing circuit, no additional charge.
No. 2 private branch exchanges (installation charges apply under contracts for less than 5-year periods. Under 5-year contracts, subscribers bear the cost of cable in excess of 50 feet per station. The minimum installation is 3 stations and the maximum installation is a total of 10 trunk lines and stations).
Business—Flat rates—
Receiving station, with switching device, including 1 both-way trunk line $144.00
Additional trunk lines, both-way only, each 100.00
Stations, with switching device, each 20.00
Stations, for intercommunicating purposes only, each 9.00
Residence—Flat rates—
Receiving station, with switching device, including 1 both-way trunk line 84.00
Additional trunk lines, both-way only, each 48.00
Stations, with switching device, each 12.00
Stations, for intercommunicating purposes only, each 9.00
Excess exchange line mileage (charges are computed on air-line distances beyond the outer boundary of a rate zone):
In the 4 principal cities in the Cincinnati district; viz., Cincinnati and Norwood Ohio, and Covington and Newport, in Kentucky, the base-rate area is the area within 2 miles of a central office. In the smaller cities and towns in the Cincinnati district, the base-rate area coincides with the municipal area. Beyond the base-rate area, all of such territory within 4 miles of a central office, or, in some cases, 3 miles, is treated as a rate zone. For business message-rate and residence flat-rate subscribers in this zone higher rates are in effect. No excess exchange line mileage is charged within the outer boundary of a rate zone, except as included in the zone rate.
Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof $6.00
Two-party line, per station, per quarter-mile or fraction thereof 4.00
Four-party line, per station, per quarter-mile or fraction thereof 3.00
Extension and tie-line mileage (charges are computed on route measurements):
Extension lines—
Per one-quarter mile or fraction thereof $6.00
Tie lines—
First mile or fraction thereof 30.00
Each additional one-quarter mile or fraction thereof 7.50
Extra directory listings:
Trade names 10.00
Members of firm, etc 3.00
Residence 3.00
Office hours or special night-call numbers 10.00

Joint-user service:

	Business.	Residence.
Flat rates	$25.00	$3.00
Message rates	12.00	3.00
Subscribers' coin-box rates	10.00	3.00

Moving charges (moving charges are applied when moves are requested before the expiration of the initial contract term and subsequently when moves are requested before the expiration of 1 year following the last move for which no charge was made):
Outside move—
Individual or party line main station $2.50
Additional stations moved at same time, each 1.00
Private branch exchange switchboard, actual cost.
Private branch exchange stations 2.50
Inside move—
Individual or party line main or extension station or private branch exchange station—
Within the same room $1.00
From one room to another within the same building 2.00
Change in type of station equipment 2.00
Private branch exchange switchboard, actual cost.

CLEARWATER, FLA.

NET ANNUAL EXCHANGE RATES OF THE PENINSULAR TELEPHONE CO. IN EFFECT JULY 23, 1914.

Individual and party-line flat-rate service:

	Individual line.	Individual line joint user.	2-party line.	2-party line joint user.	4-party line.	4-party line joint user.
Business	$36.00	$15.00	.....	.....	$30.00	$12.00
Residence	24.00	9.00	$21.00	$6.00	18.00	6.00

Extensions:
Business station (desk or wall) $12.00
Residence station (desk or wall) 12.00
Bells (business or residence) 3.00
Gongs (business or residence) 6.00
Directory service:
Extra listing 3.00
Additional line 3.00

CLEVELAND, OHIO.

NET ANNUAL EXCHANGE RATES OF THE CLEVELAND TELEPHONE CO. IN EFFECT AUG. 20, 1914.

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Extension station.
Business	$84.00	.....	.....	$12.00
Residence	48.00	$36.00	$24.00	6.00

Message rates (business only).

Local messages per annum.	Individual line.	2-party line.	Additional local messages.[1]	Inward auxiliary line.	Extension station.
900	.....	$42.00	First 400, 3 cents; next 1,600, 2½ cents; next 2,000, 2 cents; all others, 1½ cents.	.....	$12.00
1,200	$54.00	.....	First 400, 3 cents; next 1,600, 2½ cents; next 2,000, 2 cents; all others, 1½ cents.	$36.00	12.00

[1] The sliding scale of charges for additional local messages is applied on a quarterly basis as follows: First 100 per quarter, 3 cents; next 400 per quarter, 2½ cents; next 500 per quarter, 2 cents; all other, 1½ cents.

Subscribers' coin-box rates.

	Guarantee.	Local messages (cents).[1]	Extension station.
Business, 1-party	4 local messages per day	5	$12.00
Business, 2-party	3 local messages per day	5	12.00
Residence, 1-party	3 local messages per day	5	6.00
Residence, 4-party	1 local message per day	5	6.00

[1] Refund of 2½ cents per message on local message charges in excess of guarantee.

Temporary service: The charge is the regular rate for the period of service plus the cost of installation and removal.
No. 1 private branch exchanges:
Business—Flat rates and message rates (no installation charge is made for switchboard or stations located within 300 feet of the switchboard; for stations beyond this distance subscribers are charged the cost of installation)—
Switchboard, with battery power, one position $36.00
No charge is made for single-position switchboard when six or more stations are installed. The charge for multiple switchboards depends upon the cost.
Trunk lines, both-way, each—
Flat rate $96.00
Message rate 36.00
Stations, main or extension, each—
1 to 6 ..... 12.00
7 to 20 ..... 8.00
Over 20 ..... 6.00
Ringing circuit, per quarter-mile or fraction thereof 7.50
No charge is made for ringing circuit when 16 or more stations are installed, provided the switchboard is located within one-half mile of the central office. Beyond this distance, a charge is made of $7.50 per annum per quarter-mile or fraction thereof.
Local messages over message-rate trunk lines, each, first 400, 3 cents; next 1,600, 2½ cents; next 2,000, 2 cents; all others, 1½ cents. This sliding scale of charges for local messages is applied on a quarterly basis.
Transient hotels—Message rates (subscribers furnish the wiring)—
Switchboard, battery power, one position, equipped for 100 lines or less (the charge for multiple switchboards depends upon the cost) $100.00
Additional switchboard equipment, each group of 10 lines or less 10.00
Trunk lines, both-way only, each, no additional charge.
Stations, main or extension, each—
In private offices of the hotel (includes outgoing local messages on hotel business) 12.00
All others 4.00
Local messages, each 0.05

CLEVELAND, OHIO—Continued.

No. 1 private branch exchanges—Continued.
Family hotels and apartment houses—Message rates (an installation charge is made, to cover the installation expense in excess of $4 per station)—
Switchboard, battery power, one position, equipped for 50 lines or less (the charge for multiple switchboards depends upon the cost)..... $36.00
Additional switchboard equipment, each group of 10 lines or less..... 10.00
Trunk lines, both-way only, each..... 36.00
Stations, main or extension, each..... 6.00
Local messages, each..... 0.03

No. 2 private branch exchanges:
Business—Flat rates or message-rates—An installation charge is made to cover the installation expense in excess of $4 per station. The maximum equipment furnished consists of 20 lines. The rates are the same as for No. 1 business private branch exchanges; the several switching devices being treated as the switchboards).
Residence—Flat rates (An installation charge is made, to cover the installation expense in excess of $4 per station. The maximum equipment furnished consists of 20 lines)—
Switching devices for 5 stations or less (no charge is made for switching devices when 6 or more stations are installed)..... $36.00
Trunk lines, both-way only, each..... 48.00
Stations, main or extension, each..... 12.00

Excess exchange line mileage:
Individual line, per quarter-mile or fraction thereof..... $7.50
Two-party line, per stations, per quarter-mile or or fraction thereof..... 3.75
Four-party line, per station, per quarter-mile or fraction thereof..... 2.00

Extension line mileage: A charge of $12 per annum is made, in addition to the regular extension station rate, for individual and party-line business extension stations, located outside of the building in which the main station is located, but within one-quarter mile of the main station. Beyond this distance, a mileage charge of $7.50 is made for each quarter-mile or fraction thereof. In connection with all private branch exchange stations not located in the same building as the switchboard, mileage charges are made at the rate of $7.50 per quarter-mile or fraction.

Extra directory listings, business only, $3.

Joint-user service:
Flat rates, business only..... $12.00
Message rates, or subscribers' coin-box rates, business only..... 6.00

Moving charges:
Moving a station to another location in the same building (except No. 1 private branch-exchange switchboards or No. 2 private branch-exchange stations)..... $1.50
Moving a station to another building—
Main station..... 3.00
Extension stations, each..... 1.50
After the expiration of the initial contract period subscribers may contract for the ensuing contract period in lieu of payment of the above charges.
Moving No. 1 private branch exchange switchboards or systems or No. 2 private branch-exchange stations, actual cost.

CLEVELAND, OHIO.

NET ANNUAL EXCHANGE RATES OF THE CUYAHOGA TELEPHONE CO. IN EFFECT JULY 31, 1913.

DISTRICTS.

The system of the Cuyahoga Telephone Co. embraces 12 exchanges, with connecting toll lines, and is divided into 5 districts, as follows:
District No. 1—Cleveland—Served by "Brook," "Central," "Crest," "Lake," "Princeton," "Union," and "Valley" exchanges. District No. 2—Wood. District No. 3—Wickliffe. District No. 4—Dover. District No. 5—Chagrin Falls.

Unlimited subscribers in any district are allowed free service to unlimited subscribers in any other district. Limited subscribers are limited to service in the district or districts for which they contract. The established toll rate is charged against the originating subscriber, whether limited or unlimited, for messages to or from limited subscribers in other districts.

The regular established local toll charge between all the various districts is 5 cents, except the toll charge to and from Chagrin Falls district. By agreement with the United States Telephone Co. a toll rate of 10 cents is charged for messages to and from Chagrin Falls district.

For individual line service outside the exchange limits of Dover, Wood, Wickliffe, and Chagrin the rate is the exchange rate plus $6 per annum for each additional mile or fraction thereof.

Rates for service for a period of less than 1 year will be furnished by contract, and are as follows: For any period of less than 6 months a charge of $10 is added to the regular rental rate, for the actual time that service is in use. For any period of 6 months or more, less than 1 year, the regular rate is charged for time in use, plus 50 per cent of the unexpired time from the date of discontinuance to the end of yearly period.

District No. 1.—Individual and party-line unlimited service:

	Individual line.	2-party line.	4-party line.
Business	$72.00	$54.00	$36.00
Residence	48.00	36.00	24.00

Rural unlimited service (Valley exchange only)—
Business, 8-party line..... $36.00
Residence, 8-party line..... 24.00

District No. 2.—Individual and party-line unlimited service:

	Individual line.	2-party line.	4-party line.
Business	$72.00	$54.00	$36.00
Residence	48.00	36.00	24.00

CLEVELAND, OHIO—Continued.

DISTRICTS—continued.

District No. 2—Continued.
Individual and party-line limited service:

	Individual line.	4-party line.
Business	$30.00	$21.00
Residence	24.00	15.00

District No. 3.—Individual and party-line service:

	Individual line, unlimited.	Individual line, limited.	4-party line, unlimited.	4-party line, limited.	6-party line, limited.
Business	$150.00	$30.00	$75.00	$24.00	$21.00
Residence	100.00	24.00	50.00	18.00	15.00

District No. 4.—Individual and party-line limited service:

	Individual line.	6-party line.
Business	$36.00	$24.00
Residence	24.00	15.00

District No. 5.—Individual and party-line service (rates in effect after Oct. 1, 1913):

	Individual line.	4-party line.	Rural 10-party line.
Business	$30.00	$24.00	.....
Residence	20.00	15.00	$15.00

A toll rate of 10 cents is charged for each conversation of 5 minutes or less, to all points in Geauga County outside of the Chagrin Falls district, excepting only Bainbridge and Newbury.

Private branch exchanges:
Switchboard (single position)..... $12.00
This rate applies to all classes of private branch exchange service unless otherwise herein specified.
Trunk, first line..... $84.00
Trunk, each additional line..... 72.00
Trunk, one-way (incoming to subscriber)..... 42.00
These rates apply to all classes of private branch exchange service unless otherwise herein specified.
Stations, commercial unlimited (same building) within 300 feet of switchboard—
First 6, each..... $12.00
Next 14, each..... 8.00
Twenty-first and succeeding, each..... 6.00
Automatic intercommunicating stations—
Primary station..... 12.00
Substation, same building, within 300 feet, each..... 12.00
Automatic intercommunicating service is limited to a minimum of 1 trunk line and 3 stations and to a maximum of 2 trunk lines and 8 stations.
Transient hotels—
Stations in the rooms, each..... $5.00
Stations in the offices, each..... 12.00
Stations in rooms at the above rate are limited to house intercommunication.
Outgoing messages are charged to the subscriber at the rate of 3 cents for each conversation of 5 minutes or less. Rate for switchboard of 100 lines same as above quoted. Switchboard of more than 100 lines is rated in accordance with the factory cost and the maintenance cost for each particular installation.
Family hotels and apartments—
Station in rooms, each..... $8.00
Rates for trunk lines and switchboard of 100 lines same as quoted above.
Switchboard of more than 100 lines is rated in accordance with the factory cost and maintenance cost for each particular installation.
Inside and outside stations—
Inside stations more than 300 feet from switchboard and outside stations on the same premises are rated in accordance with the construction and maintenance cost, in each particular case.
Outside stations on other premises are rated in accordance with the mileage distance in each particular case. A charge of $7.50 per year is made for each quarter-mile or fraction thereof in addition to the regular station rate.
Private branch exchange service will not be installed unless the service required is at least 1 trunk line, 1 switchboard, and 6 stations.

Pay station service:
Business rates, guarantee basis—
Individual line..... $72.00
Individual line (drug stores only)..... 48.00
Four-party line..... 30.00
Telephone extension to pay stations..... 12.00
The subscriber guarantees that the gross local receipts for service will equal the amounts above specified. Settlements are made monthly at the end of each month, as nearly as possible, and in case the receipts do not equal the amount guaranteed, the subscriber makes up the deficit. The subscriber is allowed a commission of 40 per cent on receipts in excess of the amount guaranteed.

CLEVELAND, OHIO—Continued.

Pay-station service:
Business rates, rental basis—
Individual line $72.00
Individual line (drug stores only) 48.00
Telephone extension to pay stations 12.00
The subscriber pays for this service quarterly in advance and is furnished a code word for his own private use. The subscriber is allowed a commission of 40 per cent of the gross local receipts.
Residence rates, guarantee basis—
Individual line $54.00
Party line 18.00
The subscriber guarantees that the gross local receipts for service will equal the amounts above specified.
Extension service:
Business extension station, same building, within 100 feet of primary set. $8.00
Residence extension station, same building, within 100 feet of primary set. 6.00
Extensions more than 100 feet from primary set and outside extension on same premises, either business or residence, are rated in accordance with the construction and maintenance cost in each particular case.
Outside extensions on other premises are rated in accordance with the mileage in each particular case. A charge of $7.50 per year is made for each quarter-mile or fraction thereof in addition to the regular extension rate.
Applications for extension service must be signed by the subscriber. This service is installed for the exclusive use of the subscriber, and is limited to a maximum of 5 to any one primary station.
Extension jack service:
Business portable extension, with plug ending cord $8.00
Each business jack terminal 1.00
The subscriber pays the cost of wiring to the jack terminals.
When the portable extension set is equipped with a pay-station box, in connection with regular pay-station service, a commission of 40 per cent of gross receipts is allowed the subscriber.
Residence portable extension set, with plug ending cord $6.00
Each residence jack terminal 1.00
The subscriber pays the cost of wiring to the jack terminals.
Extension bell service:
Same building (3-inch gong) 3.00
Another building (3-inch gong) 5.00
Vibrating bell and drop (5-inch gong) 5.00
Extra name service:
Business 10.00
Individual name (member of same firm) 5.00
Extra listing (business classification only) 5.00
Residence 5.00
Private-line service:
When all stations are in the same building, each station 8.00
The buscriber pays the cost of wiring to each station.
When stations are located in other buildings, line rental per each quarter-mile or fraction 7.50
Stations, each 8.00
If line is used for telegraphic purposes subscriber must furnish instruments.
Long-distance terminal service: Within 2 miles of long-distance switchboard, $24. Outside 2 miles add $7.50 for each additional quarter-mile.
Moves and changes: Company will move or change the location of any station at the expense of the subscriber. Subscribers are not permitted to change the location of any equipment without the company's consent.

COLETA, ILL.

NET ANNUAL EXCHANGE RATES OF THE INTERSTATE INDEPENDENT TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1914.

Individual and party-line service:

	Individual line.	2-party line.	4-party line.	Rural.	Extension station.
Business	$30.00	$24.00	.....	$24.00	$7.56
Residence	18.00	.....	$12.00	18.00	6.00

Extension bells, $2.04.

COLLINSVILLE, ILL.

NET ANNUAL EXCHANGE RATES OF THE KINLOCH LONG-DISTANCE TELEPHONE CO. IN EFFECT MAY 2, 1914.

Individual and party-line service:

	Individual line.	2-party line.	4-party line.
Business	$24.00	$21.00	.....
Residence	18.00	15.00	$13.20

Extensions:
Business station $12.00
Residence station 6.00

COLUMBUS, OHIO.

NET ANNUAL EXCHANGE RATES OF THE COLUMBUS CITIZENS TELEPHONE CO. IN EFFECT SEPT. 28, 1911.

Individual and party-line service:

	Individual line.	2-party line, selective ringing.
Business	$40.00	$34.00
Residence	24.00	18.00

COLUMBUS, OHIO—Continued.

Rural individual and party-line service:
Six party lines (outside the city only):
Business station $40.00
Residence station 24.00
Individual lines outside of the city, $4 added to city residence rate and $6 to city business rate for each half-mile or fraction thereof beyond city limits.
Extensions, business or residence:
On the same premises $12.00
On different premises 24.00
Direct trunk line to long-distance switchboard 30.00
Private branch exchange:
Trunks, each 40.00
Trunk line direct to long-distance switchboard 18.00
Station connecting through the switchboard 12.00
Station intercommunicating only 6.00
The minimum number of extensions is 5, and the minimum charge $100 a year. No charge is made for the switchboard itself.
Automatic stations will be furnished for substations equal to the number of trunk lines. For other automatic stations an additional charge of $3 a year will be made. Above is for switchboards for manual operation. Automatic switchboards are special.
Extra-name service in directory $6.00
Extra-number service in directory 3.00
This company also operates under lease the system of the Franklin County Telephone Co., with exchanges at the following points: Alton, Canal Winchester, Dublin, Gahanna, Grove City, Galloway, Groveport, Harrisburg, Hilliards, Lockbourne, New Albany, Pickerington, Reynoldsburg, Westerville, Worthington. The following rates apply to each of the above exchanges:
Individual line service:
Individual line business station $24.00
Individual line residence station 12.00
Outside of village limits.—Individual lines, for each half-mile or fraction thereof 4.00
Six-party rural line (outside of villages):
Business station 24.00
Residence station 15.00
Extremely long lines may be special.
Miscellaneous service:
Unlimited service for subscribers, their immediate families, and permanent employees, to Columbus or from Columbus to the local exchange while in the city, $12 per annum.
Extension station on any line in the same premises, $9.
Desk sets, $3 additional.

COVINGTON, KY.

NET ANNUAL EXCHANGE RATES OF THE CINCINNATI AND SUBURBAN BELL TELEPHONE CO.

[Covington, Ky., is included within the Cincinnati, Ohio, district area and the Covington exchange rates are described in the statement of Cincinnati, Ohio, exchange rates.]

CRETE, ILL.

NET ANNUAL EXCHANGE RATES OF THE INTERSTATE INDEPENDENT TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1914.

Individual and party-line service:

	Individual line.	2-party line.	Extension station.
Business	$24.00	$24.00	$12.00
Residence	18.00	.....	6.00

Rural service per station $18.00
Extension bells 3.00

DALLAS, TEX.

NET ANNUAL EXCHANGE RATES OF THE DALLAS AUTOMATIC TELEPHONE CO. IN EFFECT JULY 20, 1914.

Individual-line automatic service:
Business $60.00
Residence 24.00
Extension stations:
Business 12.00
Residence 6.00

DALLAS, TEX.

NET ANNUAL EXCHANGE RATES OF THE SOUTHWESTERN TELEGRAPH & TELEPHONE CO. (NEW YORK). IN EFFECT AUG. 22, 1914.

[The local service area includes Dallas and Hiland Park.]

Individual and party-line service (flat rates):

	Individual line.	2-party line.	Inward auxiliary line.	Extension station.
Business	$60.00	$42.00	$30.00	$12.00
Residence	24.00	.....	.....	Desk set, 12.00; Wall set, 6.00

Rural-line service:
Business $36.00
Residence 24.00
The company furnishes the main line of circuit. The subscribers furnish the branches between the main line and the stations.
No. 1 private branch exchanges:
Commercial and department store—Flat rates (contracts are not accepted for less than 2 trunk lines and 4 stations, including operators' telephone)—
Switchboard, cord or cordless, with battery power and ringing circuit ..... No additional charge.
Trunk lines, both-way, each $60.00
Stations, each 24.00

DALLAS, TEX.—Continued.

No. 1 private-branch exchanges—Continued.
Transient hotel—Message rates (subscribers furnish the wiring. All other installation expense is borne by the company)—
Switchboard, cord only, with an operator's telephone for each position—
Nonmultiple—
Magnetic signal, capacity 30 lines $24.00
Lamp signal, capacity 30 lines 30.00
Magnetic signal, capacity 80 lines 30.00
Lamp signal, capacity 80 lines 39.00
Multiple—
Magnetic signal, capacity 200 lines 48.00
Lamp signal, capacity 240 lines 48.00
Lamp signal, equipped for—
240 to 500 lines 60.00
Over 500 lines 72.00
Trunk lines, both-way only ..... No additional charge.
Stations, each—
First 25 ..... $5.00
Over 25 ..... 3.00
Local messages, each 0.02½
Battery power 24.00
Ringing circuit—
Nonmultiple switchboard—
Capacity 30 lines 12.00
Capacity 80 lines 18.00
Multiple switchboard—
Magnetic signal, capacity 200 lines 18.00
Lamp signal, capacity 300 lines 24.00
Lamp signal, capacity 500 lines, equipped for—
240 lines 30.00
Over 240 lines 36.00
No. 2 private branch exchanges and No. 1 residence systems—Flat rates (subscribers furnish the cabling. Contracts are not accepted for less than 2 trunk lines and 6 stations for business service nor for less than 1 trunk line and 4 stations for residence service):
Trunk lines, both-way only, each—
Business $60.00
Residence 24.00
Stations, with switching device, each—
Business 24.00
Residence 12.00
Short-term service: The charge is the proportionate part of the annual rate for the class of service employed, the minimum charge being the rate for 3 months, plus the cost of installation; except in the case of private branch-exchange trunk lines for which the charge is $7.50 per month for a minimum period of 6 months.
Excess exchange line mileage (charges are computed on air-line distances, beyond 2½ miles from the central office):
Individual line, per quarter-mile or fraction thereof $3.00
Party line, per station, per quarter-mile or fraction thereof 3.00
Extension and tie-line mileage (charges are computed on route measurements), per quarter-mile or fraction thereof, $3.
Extra directory listings, business or residence, $4.
Joint-user service:
Business $12.00
Residence 6.00
Moving charges: No charge is made for moving telephone equipment provided service has been rendered continuously at the same location on the same premises for 1 year or more, and provided service is continued at the new location for the ensuing 12 months. Except as noted above, telephone equipment is moved at actual cost, with a minimum charge of $1.

DENVER, COLO.

NET ANNUAL EXCHANGE RATES OF THE MOUNTAIN STATES TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 21, 1914.

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	Extension station.
Business	$96.00		$6.00
Residence	36.00	$30.00	3.00

Message rates.[1]

	Local messages per annum.	Individual line.	2-party line.	Additional local messages (cents).	Extension station.
Business	900		$36.00	2	$6.00
	1,800	$48.00		1½	6.00
Residence	480		18.00	3	3.00
	720	24.00		2	3.00

[1] Monthly guaranty of one-twelfth of the contract number of "Local messages per annum."

Subscribers' coin-box rates.

	Guaranty.	Computed minimum annual charge.	Local messages (cents).	Extension station.
Business, 1-party	3 local messages per day	$54.75	[1] 5	$6.00
Business, 2-party	2 local messages per day	36.50	[2] 5	6.00
Residence, 1-party	2 local messages per day	36.50	[1] 5	3.00
Residence, 2-party	1½ local messages per day	25.55	5	3.00
Residence, 6-party	½ local message per day	14.60	5	3.00

[1] Refund of 2 cents per message on local message charges in excess of guaranty.
[2] Refund of 1 cent per message on local message charges in excess of guaranty.

DENVER, COLO.—Continued.

No. 1 private branch exchanges (contracts are not accepted for periods of less than 3 years. Cord switchboards are furnished only under contracts for 10 or more stations, excluding operators' telephones):
Commercial and department store—Flat rates—
Switchboard, cordless, with battery power, ringing circuit, and an operator's telephone, capacity 2 trunks and 4 lines, or 3 trunks and 7 lines $108.00
Switchboard, cord, with battery power, ringing circuit and an operator's telephone—
First position $120.00
Additional positions, each 84.00
Trunk lines, both-way, each 192.00
Trunk lines, incoming, each 24.00
Stations, each 6.00
Commercial and department store—Message rates—
Switchboard, cordless, with battery power, ringing circuit and an operator's telephone, capacity 2 trunks and 4 lines, or 3 trunks and 7 lines 108.00
Switchboard, cord, with battery power, ringing circuit and an operator's telephone:
First position 120.00
Additional positions, each 84.00
Trunk lines, both-way only ..... No additional charge.
Stations, each $6.00
Local messages 0.01½
Hotel—Message rates—
Switchboard, cord, with battery power, ringing circuit and an operator's telephone, first position 111.60
Trunk lines, both-way only ..... No additional charge.
Stations, each 3.60
Local messages, each 0.02½
No. 2 private branch exchanges (contracts are not accepted for periods of less than 3 years nor for less than 5 stations):
Business—Flat rates—
Trunk lines, both-way only, each $108.00
Stations, with switching device, each 11.40
Residence—Flat rates—
Trunk lines, both-way only, each 48.00
Stations, with switching device, each 8.40
Business—Message rates—
Trunk lines, both-way only, each 24.00
Stations, with switching device, each 11.40
Local messages, each 0.01½
Residence—Message rates—
Trunk lines, both-way only, each, including 720 local messages (monthly guarantee of 60 messages) 24.00
Stations, with switching device, each 8.40
Additional local messages, each 0.02
Short-term service (the charge is the regular rate for the period of service, plus the cost of installation and disconnection plus 15 per cent. Under contracts for individual and party-line service the minimum charge is for a period of one month).
Excess exchange line mileage (charges are computed on route measurements. No mileage charges are made within the city limits. On party lines charges are prorated between the subscribers): Individual or party lines, per line, per quarter-mile, or fraction thereof, $5.40.
Extension line mileage, per quarter-mile or fraction thereof, $5.40.
Extra directory listings, each, per annum, $4.20.
Joint-user service:
Business—
Flat rates $30.00
Message rates 12.00
Residence, flat rates or message rates 4.20
Moving charges:
Individual and party-line stations—
For the second and subsequent moves within a current contract year—
Inside move, except private residences $1.00
Outside move 2.50
No. 1 private branch exchange switchboards and No. 2 private branch-exchange stations, actual cost plus 15 per cent.

DES MOINES, IOWA.

NET ANNUAL EXCHANGE RATES OF THE IOWA TELEPHONE CO. IN EFFECT AUG. 11, 1914.

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	Inward auxiliary line.	Extension station.[1]
Business	[2] $60.00	$48.00	$30.00	$12.00
Residence	30.00	24.00	24.00	12.00

[1] Wall, without bell, $6.
[2] For stations equipped with coin-collecting devices, a flat charge is made of $84 per annum. Subscribers are furnished with keys to coin boxes and retain collections for local messages.

Subscribers' coin-box rates.

	Annual guarantee.	Minimum charge.	Local messages [1] (cents).
Business only, 1-party	$5 per month in local messages	$60	5

[1] Refund of 2½ cents per message on local message charges in excess of guaranty.

Individual and party-line short-term service (the charge is the proportionate part of the annual rate for the class of service employed, plus the cost of installation and disconnection).
Rural line service, business or residence, $24.
Private branch-exchange service:
No. 1 private branch exchanges—
Commercial department store—Flat rates (an installation charge is made if the contract period is less than 3 years. Contracts are not accepted for less than 10 stations, excluding operators' telephones)—
Switchboard, cord only, with battery power, ringing circuit, and an operators' telephone for each position ..... No additional charge.
Trunk lines, both-way, each $60.00
Trunk lines, incoming, each 30.00
Stations, each 12.00

DES MOINES, IOWA—Continued.

Private branch exchange service—Continued.
No. 1 private branch exchanges—Continued.
Transient and family hotel and apartment house—Message rates (subscribers bear the cost of wiring. Contracts are not accepted for a period of less than 3 years)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position.....No additional charge.
Trunk lines, incoming or both-way.....No additional charge.
Stations, each..... $3.00
Local messages, guarantee 2,400; each..... 0.02½
No. 2 private branch exchanges—
Business and residence—Flat rates (contracts are not accepted for a period of less than 3 years nor for less than 5 stations. The maximum equipment furnished consists of 20 lines)—
Trunk lines, both-way, each—
Business..... $60.00
Residence..... 30.00
Trunk lines, incoming, each, business only..... 30.00
Stations, with switching device, each:
Business..... 12.00
Residence—
If company installs wiring..... 9.00
If subscriber installs wiring..... 6.00
Excess exchange line mileage (charges are computed on route measurements beyond the city limits):
Individual line, per quarter-mile or fraction thereof..... $5.00
Two-party line, per station, per quarter-mile or fraction thereof..... 3.00
Extension line mileage, per quarter-mile or fraction thereof, route distance, $5.
Extra directory listings, additional listings per directory issue, each, $1.
Joint-user service:
Business..... $12.00
Residence..... 6.00
Moving charges:
Individual and party lines, no charge.

DETROIT, MICH.

NET ANNUAL EXCHANGE RATES OF THE MICHIGAN STATE TELEPHONE CO. IN EFFECT AUG. 24, 1914.

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Extension station.
Business	$72.00	$60.00		With bell, $12.00.
Residence	42.00	36.00	[1] 24.00	With bell, $12.00. Without bell, $6.00.

[1] Limited to four 5-minute messages per day, this number including both outgoing and incoming messages. The company does not check the messages unless complaints are received that the line is used to excess, in which case the company reserves the right to cancel the contract.

Subscribers' coin-box rates.

This service is furnished only at locations where the telephone is subject to use by nonsubscribers. Rooming houses having 8 or more tenants come under this classification.

	Guarantee.	Minimum charge.	Local messages (cents).[1]
Individual line	$0.165 per day in local messages	$60.23	5
Multiparty line	$0.082 per day in local messages	29.93	5

[1] Refund of 2½ cents per message on local message charges in excess of guarantee.

Individual and party-line short-term service: The charge is the proportionate part of the annual rate for the class of service employed plus a termination charge equal to 50 per cent of the rate for the unexpired portion of the contract term, maximum termination charge $7.50.
Rural-line service:
Business..... $36.00
Residence..... 24.00
This service is available, without mileage charges, within 5 miles of the Detroit city limits provided 3 subscribers per mile of pole line can be secured.
Private branch exchange service: A hand-operated generator for signaling stations is furnished without additional charge; or the ringing circuit is furnished from the central office, to private branch exchanges within one-half mile, at $12 per annum. For distances in excess of one-half mile an added annual charge is made of $3 per quarter mile or fraction thereof, route measurement.
No. 1 private branch exchanges:
Commercial—Flat rates (contracts are taken for 3-year or 5-year periods. The minimum installation includes 2 trunk lines and 5 stations, excluding operators' telephones)—
Switchboard, battery power, and 1 operator's telephone..... $18.00
Trunk lines, both-way only, each..... 72.00
Stations, each—
1 to 30..... 18.00
31 to 50..... 15.00
51 to 100..... 12.00
Over 100..... 9.00
Additional operators' telephones, each..... 6.00
Additional jacks, for tie lines between 2 switchboards, including battery supply, each..... 6.00
Family hotel—Flat rates (contracts are taken for 3-year or 5-year periods. The minimum installation includes 2 trunk lines and 5 stations, excluding operators' telephones)—
Switchboard, battery power, and 1 operator's telephone..... $18.00
Trunk lines, both-way only, each..... 72.00
Stations, each—
1 to 10..... 18.00
11 to 25..... 12.00
26 to 50..... 9.00
Over 50..... 6.00

DETROIT, MICH.—Continued.

No. 1 private branch exchanges—Continued.
Commercial—Message rates (contracts are taken for 3-year or 5-year periods)—
Minimum equipment, consisting of switchboard, battery power, 1 operator's telephone, 2 trunk lines, 5 stations, and 4,800 local messages.. $207.00
Additional trunk lines, both-way only, each..... 36.00
Additional stations, each—
First 5..... 9.00
All others..... 6.00
Additional local messages, each..... 0.04
If purchased in advance, in lots of 1,000, each..... 0.03
Hotel—Message rates (contracts are taken for 3-year or 5-year periods. The minimum installation includes 25 stations, excluding the operators' telephones. The subscriber wires or pays for wiring the building)—
Switchboard, battery power, and 1 operator's telephone..... $6.00
Trunk lines..... No additional charge.
Stations, each..... $6.00
Local messages, each..... 0.05
No. 2 private branch exchanges:
Business or residence—Flat rates (installations include not less than 1 trunk line and 5 stations and not more than 2 trunk lines and 8 stations. Under 3-year contracts no installation charge is made except for cabling in excess of 30 feet per station. Under 1-year contracts an installation charge is made for all cabling)—
Trunk lines, each—
Business..... $72.00
Residence..... 42.00
Stations, each—
With exchange connections..... 24.00
Without exchange connections..... 18.00
When the subscriber furnishes all materials except telephones and pays all costs of installation (residence only)..... 12.00
Excess exchange-line mileage (charges are computed on air-line distances beyond the city limits):
Individual line, per quarter-mile or fraction thereof..... $3.00
2-party line, per station, per quarter-mile or fraction thereof..... 1.92
4-party line, per station, per quarter-mile or fraction thereof..... 0.96
Extension and tie-line mileage, per quarter-mile or fraction thereof, route measurement, $7.56.
Extra directory listings, business or residence, $3.
Joint-user service, business or residence, $12.
Moving charges:
Station with all associated equipment—
Moved to another location in the same building..... $1.50
Moved to another building..... 3.00
No. 1 private branch exchange switchboards, and stations connected with No. 2 private branch exchanges, actual cost.

DULUTH, MINN.

NET ANNUAL EXCHANGE RATES OF THE NORTHWESTERN TELEPHONE EXCHANGE CO. IN EFFECT AUG. 11, 1914.

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	Inward auxiliary line.	Extension station.
Business	$48.00	$36.00	$30.00	$10.08.
Residence	24.00	16.08		Desk with bell, $10.08. Wall with bell, $7.80. Wall without bell, $6.00.

Subscribers' coin-box rates.

	Guarantee.	Minimum charge.	Local messages (cents).[1]
Business only, 1-party	$4 per month in local messages.	$48.00	5
Business only, 2-party	$3 per month in local messages.	36.00	5

[1] Refund of 2½ cents per message on local message charges in excess of guarantee.

Individual and party-line short-term service: Business only, during the season of lake navigation, April 1 to December 1, individual line flat rate, $35.
Rural line service:
Business..... $36.00
Residence..... 24.00
Private branch exchange service:
No. 1 private branch exchanges—
Commercial and department store—Flat rates (an installation charge is made if the contract period is less than 3 years. Contracts are not accepted for less than 2 both-way trunk lines and 5 stations, excluding operators' telephones)—
Switchboard, cord or cordless, with battery power, ringing circuit, and an operator's telephone for each position..... $12.00
Trunk lines, both-way, each..... 48.00
Trunk lines, incoming, each..... 30.00
Stations, each..... 12.00
Transient and family hotel and apartment house—Flat rates (subscribers bear the cost of wiring between the switchboard and all rooms)—
Switchboard, cord only, with battery power, and ringing circuit, without operator's telephones..... No additional charge.
Trunk lines, incoming or both-way..... No additional charge.
Stations, each..... $12.00
Transient and family hotel and apartment house—Message rates (subscribers bear the cost of wiring)—
Switchboard, cord only, with battery power and ringing circuit, without operator's telephone..... No additional charge.
Trunk lines, incoming or both-way..... No additional charge.
Stations, each..... $3.50
Local messages, each..... 0.02½

DULUTH, MINN.—Continued.

Private branch exchange service—Continued.
No. 2 private branch exchanges:
Business and residence—Flat rates (contracts are not accepted for a period of less than 3 years nor when the actual revenue to be derived therefrom is less than that obtained from 1 both-way trunk line and 5 stations. This class of service is furnished for banks and offices but not for factories, large wholesale houses, or places of similar nature where extensive cabling is required)—
Trunk lines, both-way only, each—
Business $48.00
Residence 24.00
Stations, with switching device, each 10.00
Excess exchange-line mileage: All classes of service, air-line distance, per half mile or fraction thereof, beyond the city limits, $6.
Extension-line mileage: For each half mile or fraction thereof, air-line mileage, beyond the first quarter-mile, $6.
The charge for private branch exchange stations not on the same premises as the switchboard or the main station is $24 per annum, the excess rate being in lieu of the first quarter-mile, or fraction thereof, of circuit.
Extra directory listings, business or residence, each, $3.
Joint-user service:
Business $10.00
Residence 5.00
Moving charges:
Individual and party-lines, no charge.
Private branch exchanges, actual cost.

DULUTH, MINN.

NET ANNUAL EXCHANGE RATES OF THE ZENITH TELEPHONE CO. IN EFFECT JULY 20, 1914.

Individual and party-line service:

	Individual line.	2-party line.	4-party line.	Extension station.
Business	$36.00	$30.00	$24.00	$10.00
Residence	24.00	18.00	16.00	6.00

Extra-name service in directory, $2.

DUNDEE, ILL.

NET ANNUAL EXCHANGE RATES OF THE INTERSTATE INDEPENDENT TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1914.

Individual and party-line service:

	Individual line.	2-party line.	Extension station.
Business	$24.00	$24.00	$12.00
Residence	18.00	12.00	6.00

Miscellaneous service per station:
Rural $18.00
Employees 9.00

DUNKIRK, N. Y.

NET ANNUAL EXCHANGE RATES OF THE DUNKIRK HOME TELEPHONE CO. IN EFFECT MAY 1, 1913.

Individual and party-line service:

	Individual line.	2-party line.	4-party line.	8-party rural line.
Business	$30.00	$24.00		
Residence	21.00		$15,00	$16.00

Extensions:
Business or residence $6.00
Bells 3.00
Miscellaneous service:
Employees, 4-party 10.00
Clubs and societies, 2-party 18.00
Extra-name service 3.00

EAST GRAND FORKS, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Individual and party-line service:

	Individual line.	Party line.	Extension station.
Business	$30.00	$24.00	$6.00
Residence	18.00	15.00	6.00

Rural station, $18.

EAST ST. LOUIS, ILL.

NET ANNUAL EXCHANGE RATES OF THE SOUTHWESTERN TELEPHONE & TELEGRAPH CO. OF MISSOURI.

[East St. Louis, Ill., is included within the St. Louis, Mo., district area and the exchange rates in effect in both cities are described in the statement under St. Louis, Mo.]

ELBURN, ILL.

NET ANNUAL EXCHANGE RATES OF THE INTERSTATE INDEPENDENT TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1914.

Individual and rural-line service:

	Individual line.	Rural party line.	Extension station.
Business	$24.00	$24.00	$12.00
Residence	18.00	18.00	6.00

ELGIN, ILL.

NET ANNUAL EXCHANGE RATES OF THE INTERSTATE INDEPENDENT TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1914.

Individual-line service:

	Individual line.	Extension station.
Business	$24.00	$7.56
Residence	12.00	6.00

Miscellaneous service per station:
Rural $18.00
Employees 9.00

ELIZABETH, N. J.

NET ANNUAL EXCHANGE RATES OF THE NEW YORK TELEPHONE CO. IN EFFECT AUG. 20, 1914.

Individual and party-line service:

Flat rates (residence only).

Individual line $42.00
2-party line 36.00
4-party line 30.00
Both-way auxiliary line 31.50
Extension station 6.00

Message rates (business only)

Local messages per annum.	Individual line.	2-party line.	4-party line.	Additional local messages (cents).	Both-way auxiliary line.	Extension station.
600	$42.00	$36.00	[1] $30.00	5	$30.00	$6.00
800	51.00	45.00		5		
1,000	60.00			4		
1,000		54.00		5		
1,200	66.00			3		
1,200		63.00		4		
1,500	72.00			3		
1,500		72.00		4		
1,800	[2] 78.00			3		

[1] Guarantee of $2.50 per month in local messages at 5 cents each.
[2] Additional messages, 2 cents each, if contracted for in advance in lots of 300.

No. 1 private branch exchanges—Message rates:
Switchboard, cord or cordless, with battery power, an operator's telephone for each position, 2 both-way trunk lines, 2 stations, and 1,200 local messages per annum $132.00
Additional trunk lines, both-way, each 24.00
Additional stations, each 6.00
Additional local messages, each 0.03
If contracted for in advance in lots of 300, each 0.02
Ringing circuit (no additional charge is made for ringing circuit if the subscriber contracts for either 3,600 local messages or 20 stations) 24.00
No. 1 residence systems—Flat rates (an installation charge is made, to cover the cost of construction of all circuits between stations, including labor and material):
Trunk lines, both-way only, each $36.00
Stations with switching device, each—
Capacity 10 lines 12.00
Capacity 20 lines 15.00
Capacity 30 lines 18.00
Stations, without switching device, each 6.00

ELIZABETH, N. J.—Continued.

Short-term service:

Individual and party lines—

Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than one year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period:

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for one month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Message rates.—When the number of messages under a message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.

Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in one year.

Extension stations.—The charge is the proportionate part of the annual rate for the period of service, plus one-half the proportionate part of the annual rate for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

Private branch exchanges:

Switchboards.—The charge is the proportionate part of the annual rate for the period of service, plus one-half the proportionate part of the annual rate for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.

Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.

Stations, main or extension.—The charge is the proportionate part of the annual rate for the period of service, plus one-half the proportionate part of the annual rate for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.

Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals, or exceeds, the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in one year.

ELIZABETH, N. J.—Continued.

Excess exchange line mileage (charges are computed on air-line distances beyond the base-rate area and within 2½ miles of the central office or rate center, and on route measurements beyond this distance).

Individual line, or private branch exchange trunk line, per quarter-mile or fraction thereof $9.00
Two-party line, per station, per quarter-mile or fraction thereof 4.50
Four-party line, per station, per quarter-mile or fraction thereof 2.25

Extension and tie-line mileage (charges are computed on route measurements), per quarter-mile or fraction thereof, $7.50.

Extra directory listings, business or residence, $3.

Moving charges:

Individual or party line, main or extension station or No. 1 private branch exchange station—

Inside move ..... No charge.

Outside move, during first year or within one year from last free move—

Main station moved independently $3.00
Main station moved in conjunction with and to same address as switchboard 1.00
Extension station moved independently of main station 3.00
Extension station moved in conjunction with and to same address as main station 1.00

Private branch exchange switchboards—

Inside move during first year or within one year from last free move—

	Same room.	Another room.
Cordless, 10 lines or less	$5.00	$8.00
Cord board, 40 lines or less	10.00	18.00
Cord board, over 40 lines	Estimated cost.	

Outside move during first year or within one year from last free move—

Cordless, 10 lines or less $10.00
Cord board, 40 lines or less 18.00
Cord board, over 40 lines ..... Estimated cost.

No. 1 residence systems—First or subsequent years, estimated cost.

EMPORIA, KANS.

NET ANNUAL EXCHANGE RATES OF THE EMPORIA TELEPHONE CO. IN EFFECT JULY 11, 1914.

Individual and party-line service:

	Individual line.	2-party line.	4-party line.	Extension station.
Business	$36.00	$27.00	.....	$6.00
Residence	18.00	.....	$12.00	6.00

Private branch exchange:

Trunks, each $36.00
Stations, each 3.00

ERIE, PA.

NET ANNUAL EXCHANGE RATES OF THE BELL TELEPHONE CO. OF PENNSYLVANIA IN EFFECT AUG. 20, 1914.

[The local service area includes Erie, Belle Valley, Kearsarge, and Wesleyville.]

Individual and party-line service—Flat rates:

	Individual line.	2-party line.	4-party line.	Extension station.
Business	$60.00	$48.00	$30.00	$6.00
Residence	30.00	24.00	20.00	6.00

Rural line service:

Business $24.00
Residence 18.00

No. 1 or No. 2 private branch exchange service:

Business or residence—Flat rates—

Switchboard and an operator's telephone, or receiving station and switching devices, with battery power $30.00
First both-way trunk line, business 60.00
Additional both-way trunk lines, business, each 30.00
Trunk lines, both-way, residence, each 30.00
Additional both-way trunk lines, residence, each 15.00
Stations, each 6.00
Ringing power—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.

Business or residence—Message rates—

Switchboard and an operator's telephone, or receiving station and switching devices, with battery power $24.00
Trunk lines, both-way, each 24.00
Stations, each 6.00
Local messages, guarantee 1,200, each 0.03
Additional local messages, each 0.04
If contracted for in advance, in lots of 100, each 0.03
Ringing power—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.

Hotel—Message rates (contracts are not accepted for less than 20 stations, excluding operators' telephones)—

Switchboard, cord only, with battery power, ringing circuit and an operator's telephone for each position $24.00
Trunk lines, both-way only (for flat-rate trunk lines, see the following paragraphs), no additional charge.
Stations, main or extension, each (no additional charge is made for the stations and booth equipment, installed in public corridors for the use of the general public) 6.00
Local messages—The subscriber, as the company's agent, charges patrons the regularly established public telephone rates for all local and toll messages and receives a commission on all charges for local and toll messages originating at the private branch exchange system.

ERIE, PA.—Continued.

No. 1 or No. 2 private branch exchange service—Continued.

Hotel—Message rates—With flat-rate trunk lines—

Flat-rate trunk lines may be connected with hotel message-rate private branch exchanges for use in connection with flat-rate business stations, which may be provided only for the use of officials and employees of the hotel. Under such an arrangement the flat-rate trunk lines terminate on special cords, the plugs of which do not fit the message-rate station jacks. Stations which are to have flat-rate service are equipped with two jacks to permit connections with either the flat-rate or message-rate trunk lines, and with any other private branch exchange station. Flat-rate trunk lines are not listed in directory.

Flat-rate trunk lines are charged for at the rates given under the standard schedules for business flat-rate private branch exchange service. The charges for the switchboard and for those stations which are equipped for connection with the flat-rate trunk lines are equal to the sum of the respective standard rates which regularly apply under the business flat-rate and hotel message-rate schedules.

Short-term service:

Individual and party lines—

Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than one year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for one month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Extension stations.—The charge is the proportionate part of the annual rate for the period of service, plus one-half the proportionate part of the annual rate for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

Private branch exchanges:

Switchboards.—The charge is the proportionate part of the annual rate for the period of service, plus one-half the proportionate part of the annual rate for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.

Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.

Stations, main or extension.—The charge is the proportionate part of the annual rate for the period of service, plus one-half the proportionate part of the annual rate for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.

Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year.

When the number of messages used equals or exceeds the minimum specified in the schedule, the charge is the contract rate for the messages used as though such messages were used in one year.

ERIE, PA.—Continued.

Excess exchange-line mileage (mileage charges are computed on air-line measurement beyond the base-rate area):

Individual line, per quarter-mile or fraction thereof	$5.00
Two-party line, per subscriber, per quarter-mile or fraction thereof	3.00
Four-party line, per subscriber, per quarter-mile or fraction thereof	2.00

Extension and tie-line mileage (charges are computed on route measurement), per quarter-mile or fraction thereof, $5.

Extra directory listings, business or residence, $3.

Joint-user service, business flat rate, individual or party line, one-half regular rate.

Moving charges:

Individual or party line, main or extension station or No. 1 private branch exchange station, during the first year or within one year from the last free move—

Inside move	$1.00
Outside move—	
Main station moved independently	3.00
Main station moved in conjunction with and to same address as switchboard	1.00
Extension station moved independently	3.00
Extension station moved in conjunction with and to same address as main station	1.00

Private branch exchange switchboards under annual contracts, during the first year or within one year from the last free move—

	Same room.	Another room.
Inside move—		
Cordless switchboard, 10 lines or less	$5.00	$8.00
Cord switchboard, 40 lines or less	10.00	18.00
Cord switchboard, over 40 lines	At cost.	At cost.
Outside move—		
Cordless switchboard, 10 lines or less		$10.00
Cord switchboard, 40 lines or less		18.00
Cord switchboard, over 40 lines		At cost.
Trunk line, tie line, or outside extension line (switchboard terminal)		2.00

No. 2 private branch exchanges, during the first or subsequent years, at cost.

ERIE, PA.

NET ANNUAL EXCHANGE RATES OF THE MUTUAL TELEPHONE CO. IN EFFECT MAY 20, 1914.

Individual and party-line service:

	Individual line.	2-party line.	4-party line.	Multiparty line.
Business	$40.00	$36.00	$30.00	$30.00
Residence	28.00	24.00	22.00	22.00

Above rates apply to wall set.

Desk set in place of wall	$3 00
Extension station, wall or desk, with bells	12.00
Extension station, wall or desk, without bells	9.00
Extension bells	3.00

Private branch exchanges:

Trunks, each	$40.00
Trunks, ringing, each	28.00
Stations, each	10.00

Special rates:

	Direct line.	2-party line.	4-party line.
Charitable institutions	$24.00	$22.00	$18.00
Churches	24.00	22.00	18.00
Company employees	24.00	22.00	18.00
City offices	24.00	22.00	18.00

Miscellaneous services:

Clubs open only at night, residence rates.
Temporary service, 6 months or less, two-thirds of regular annual charge.
Two listings in telephone directory under the same business are allowed on direct lines.
Two residence listings in telephone directory are allowed on direct lines.
One listing only is allowed on all party lines.
For additional and extra listings, $3.
Nurses' listing, $4.
Extra-business listing, $12.
Extra-business listing with extension station, $18.
Charge for moving telephone from one location to another, $2.

EVANSVILLE, IND.

NET ANNUAL EXCHANGE RATES OF THE CUMBERLAND TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 17, 1914.

[The local service area includes Evansville and Howell, Ind.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Extension station.
Business	$60.00	$54.00	$42.00	$12.00
Residence	30.00	24.00	18.00	12.00

Subscribers' coin-box rates.

	Guarantee.	Minimum charge.	Local messages (cents).	Extension station.
Business only, 1-party	90 local messages per month.	$54.00	[1] 5	$12.00

[1] Refund of 2½ cents per message on local message charges in excess of guarantee.

EVANSVILLE, IND.—Continued.

Individual and party-line short-term service:

Short-term service and season service are furnished at 37 per cent of the annual rate for the class of service desired for the first 3 months or fraction thereof, plus 7 per cent of the annual rate for the class of service desired, for each month in excess of the first 3 months.

For very short periods, as during illness, and in other cases, where this rate would be excessive, approval is given to accept cancellations upon payment of regular charges for the period of service, minimum 1 month, plus a percentage of the installation and disconnection costs, determined by the ratio of the unexpired portion of the contract period to the full contract period, plus an estimated depreciation on equipment and material.

Private branch exchange service:

No. 1 private branch exchanges (contracts are for periods of 3 years. Contracts are not taken for less than 2 trunk lines)—

Commercial and department store—Flat rates—

Switchboard, cord or cordless, with battery power, ringing circuit, and one operator's telephone for each position	$60.00
Trunk lines, both-way, each	90.00
Trunk lines, incoming, each	45.00
Stations, main or extension, each	12.00

Commercial and department store—Message rates—

Switchboard, cord or cordless, with battery power, ringing circuit, and one operator's telephone for each position, no additional charge.

Trunk lines, both-way only, no additional charge.

Stations, main or extension, each	$6.00
Local messages, no guarantee, each	0.03

Hotel and apartment house—Message rates—

Switchboard, cord or cordless, with one operator's telephone, 30 per cent of the cost, installed.

Trunk lines, both-way or incoming, each (the average number of originating local messages per month for each trunk line in service must be 200 or more before an additional trunk line will be furnished)	36.00
Stations, main or extension, each—	
When company installs and maintains inside wiring	6.00
When subscriber installs and maintains inside wiring	4.00

Local messages.—One local message per month is allowed, without additional charge, for each 3 cents charged per month for trunk lines. No message allowance is included in charges for switchboard, stations, battery power, or ringing circuit. Additional local messages, each, 3 cents.

Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 12 cents per annum for each station, including operators' telephones. The maximum charge is 50 cents per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 120,000.

Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.

No. 2 private branch exchanges—

Business or residence—Flat rates (contracts are for periods of either 1 or 3 years. Under 1-year contracts subscribers pay the actual cost of cabling, including the cost of labor and material. Under 3-year contracts subscribers pay the actual cost of cabling in excess of 50 feet for any station, including the cost of labor and material. The maximum equipment furnished is that for 10 lines)—

	One-year contract.	Three-year contract.
Trunk lines, both-way, each:		
Business	$90.00	$90.00
Residence	45.00	45.00
Trunk lines, incoming, each:		
Business	45.00	45.00
Residence	22.50	22.50
Receiving station, with switching device	18.00	24.00
Stations, main or extension, with switching device, each	12.00	15.00
Battery power, and ringing circuit	15.00	15.00

Excess exchange-line mileage:	
Individual line, per mile or fraction thereof, route measurement	$6.00
Rural line, per station, per mile or fraction thereof, route measurement	3.00

Extension-line mileage, per quarter-mile or fraction thereof, route measurement, $7.50.

Extra directory listings, business or residence, $2.

Joint-user service, business or residence, $12.

Moving charges:

Individual line—	
Moving within the same room	$1.00
Moving within the same building	2.00
Moving to another building	3.00

Private branch exchanges, actual cost.

FALL RIVER, MASS.

NET ANNUAL EXCHANGE RATES OF THE NEW ENGLAND TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 26, 1914.

Individual and party-line service:

Schedule I.—The local-service area includes Fall River and Somerset and parts of Dartmouth, Rehoboth, Swansea, Westport, Mass., and Tiverton, R. I.

Flat rates.

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Extension station.
Business	$57.00			$30.00	$6.00
Residence	33.00	$27.00	$25.00		6.00

FALL RIVER, MASS.—Continued.

Individual and party-line service—Continued.

Message rates (business only).

Local messages per annum	720
Individual line	$36.00
Additional local messages:	
Up to a total of 6,000, each	0.03
Next 6,000, each	0.02¾
All others, each	0.02½
Extension station	6.00

Subscribers' coin-box rates.

	Guarantee.[1]	Minimum charge.	Local messages (cents).	Extension station.
Business, 4-party	1½ local messages per day	$27.38	5	$6.00
Residence, 4-party	1 local message per day	18.25	5	6.00

[1] On annual basis.

Schedule II.—The local-service area includes Fall River and Somerset and parts of Swansea, Westport, Mass., Tiverton, R. I., Portsmouth, R. I., Dartmouth and Rehoboth, Mass.

Flat rates.

	Individual line.	2-party line.	Inward auxiliary line.	Extension station.
Business	$69.00		$30.00	$6.00
Residence	42.00	$33.00		6.00

Message rates (business only).

Local messages per annum.	Individual line.	2-party line.	Additional local messages (cents).	Extension station.
720		$36.00	3	$6.00
900	$45.00		(1)	6.00

[1] Up to 6,000, each, 3 cents; next 6,000, 2¾ cents; all others, 2½ cents.

No. 1 or No. 2 private branch exchanges:

Commercial, residence, hotel, and apartment house—Message rates (contracts are not accepted for periods of less than 3 years. No. 2 business systems are limited to a total of 10 lines)—

Switchboard, with battery power, an operator's telephone or receiving station with switching devices and 2,500 local messages per annum	$75.00
Trunk lines, both-way only, each	21.00
Stations, each	6.00
Additional local messages—	
First 3,500, each (in hotels and apartment houses, all additional local messages are charged for at 3 cents each)	0.03
Next 6,000, each	0.02¾
All others, each	0.02½
Ringing circuit (applies only within a radius of 1 mile, air-line distance, from a central office, for installations of 19 stations or less. No additional charge is made if subscribers, within 1 mile from the central office, contract for 20 stations or more. Beyond this distance a mileage charge is made of $5 per quarter-mile or fraction thereof)	18.00

Hotels—Message rates—Season service (contracts are not accepted for periods of less than 5 years nor for less than 50 stations and allow service for a period of 5 months in each year)—

Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position	No charge.
Trunk lines, both-way only	No charge.
Stations—	
First 50, each	$5.00
Over 50, each	4.00
Local messages, each	0.03

Department store—Message rates (contracts are not accepted for periods of less than 5 years, nor for less than 50 stations)—

Switchboard, with battery power, ringing circuit, and an operator's telephone	No charge.
Trunk lines, both-way only, each	$24.00
Stations, each	6.00
Local messages—	
First 6,000, each	0.03
Next 6,000, each	0.02¾
All others, each	0.02½

No. 2 private branch exchanges—Residence—Flat rates (contracts are not accepted for a period of less than 3 years. Interior cable in excess of 500 feet and all outside cable between a subscriber's buildings on the same premises is furnished at the subscriber's expense. The rate quoted for receiving stations includes switching devices for all stations):

Trunk lines, both-way, each	$33.00
Trunk lines, incoming, each	30.00
Receiving station, with switching devices	24.00
Stations, with or without switching device, each	6.00

FALL RIVER, MASS.—Continued.

Short-term service:
Emergency service (regular installation and removal charges apply as specified below under 3-month service)—
Flat-rate individual line, or residence No. 2 private branch exchange trunk line—
First day $3.00
Each additional day 0.75
Message-rate trunk line and private branch exchange station (either or both)—
First 3 days $5.00
Each additional week (charge not to exceed annual rate) 1.00
Three-month periods (flat rates)—

	Schedule I.	Schedule II.
Business:		
Individual line	$23.00	$30.00
Party line, per station		
Residence:		
Individual line or No. 2 private branch exchange trunk line	19.00	22.00
Party line, per station	16.00	19.00

Message rates.—Private branch exchange trunk line (no installation charge), $12.
Service continuing beyond the initial 3-month period is charged for at a rate for each whole month equal to one-ninth the difference between the short-term rate and the annual rate for similar service, with a charge pro rata for fractional parts of a month.
The following charges are made in addition to the rates quoted above for installation and removal of equipment furnished for short periods:
If instrument is on premises and inside wiring and drop wiring are in place $2.00
If both inside wiring and drop wiring are in place, but it is necessary to furnish an instrument 3.00
If either inside wiring or drop wiring is in place—but not both—and instrument must be installed 4.00
If it is necessary to install inside wiring, drop wiring, and instrument. 5.00
Excess exchange-line mileage (mileage is charged on the air-line distances, beyond 2 miles from the central office):
Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof $2.50
Two-party line, per station, per quarter-mile or fraction thereof 1.00
Four-party line, per station, per quarter-mile or fraction thereof 0.50
Extension and tie-line mileage (charges are computed on route measurements):
Extension lines—
First half mile or fraction thereof $10.00
Each additional quarter-mile or fraction thereof 5.00
Tie lines between switchboards in the same exchange—
Switchboards contracted for by the same subscriber in separate buildings—
First mile or fraction thereof $35.00
Each additional quarter-mile or fraction thereof (when the switchboards are in the same building and only inside wiring is required the minimum charge per line is $10) 8.75
Switchboards contracted for by different subscribers in separate buildings (not more than 3 private branch exchange switchboards of different subscribers will be connected together by means of tie lines).
First mile or fraction thereof $60.00
Each additional quarter-mile or fraction thereof 15.00
Extra directory listings:
Business or residence 3.00
Names of tenants in hotels and apartment houses 5.00
Joint-user service:
Flat rates—Individual line or private branch exchange, one-half of annual rate, not to exceed $50.
Message rates—Individual line or private branch exchange, $5.
Moving charges—Individual or party-line stations or No. 1 private branch exchange stations:
Inside move—
25 feet or less of inside wiring necessary $1.00
Over 25 feet of inside wiring necessary 2.00
Outside move—
Drop and inside wiring necessary and instrument to be placed 5.00
Drop or inside wiring (one only) necessary and instrument to be placed 4.00
No wiring necessary but instrument to be placed 3.00
No wiring necessary and instrument in place 2.00
When a main station, extension station, and other station equipment are moved at the same time, the work practically constituting one job, full charge is made for moving the main station, and one-half the schedule charges for moving the other apparatus.
Moves of switchboards, entire No. 1 private branch exchange systems or No. 2 private branch exchange stations are made at actual cost.
At any time after the expiration of the initial contract period, the subscriber may extend his contract for another contract period in lieu of payment of the above charges.

FARIBAULT, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Individual and party-line service.

	Individual line.	2-party line.	4-party line.	Extension station.
Business	$24.00	$21.00	$18.00	$6.00
Residence	18.00	15.00	12.00	6.00

Rural station $15.00
Rural connecting companies, $4 per year per station.
Extra name service in directory 12.00

FOLEY, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Business station, individual line $12.00
Residence station, individual line 12.00
Extension station 6.00
Rural connecting companies, $2.50 per circuit per month and 10 cents each for all stations in excess of 10 to a circuit.

FOREST LAKE, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Business station, individual line $24.00
Residence station, individual line 18.00
Residence station with business station 12.00
Lake and rural territory:
Business station, individual line 24.00
Residence station, individual line 18.00
Residence station, party line 15.00
Business station, summer season 15.00
Residence station, summer season 10.00
Rural connecting companies, $2.50 per circuit per month and 10 cents each for all stations in excess of 10 to a circuit.

FORT WAYNE, IND.

NET ANNUAL EXCHANGE RATES OF THE HOME TELEPHONE & TELEGRAPH CO. IN EFFECT MAY 9, 1914.

Individual and party-line service (flat rate—unlimited service):

	Individual line.	2-party line.	4-party line.	Extension station.
Business	$36.00	$30.00		$9.00
Residence	24.00	21.00	$18.00	9.00

Rural party-line service $18.00
The installation of both business and residence service entitles the subscriber to a reduction of $6 per annum on either service. All party lines are harmonic or individual ringing except the rural party-line service.

FORT WORTH, TEX.

NET ANNUAL EXCHANGE RATES OF THE SOUTHWESTERN TELEGRAPH & TELEPHONE CO. (NEW YORK), IN EFFECT AUG. 22, 1914.

[The local service area includes Fort Worth, Polytechnic Heights, and Niles.]

Individual and party-line service (flat rates):

	Individual line.	2-party line.	Inward auxiliary line.	Extension station.
Business	$60.00	$42.00	$30.00	$12.00
Residence	24.00			Wall set, $6.00 Desk set, $12.00

Rural-line service, business or residence, $36.

No. 1 private branch exchanges:
Commercial and department store—Flat rates (contracts are not accepted for less than 2 trunk lines and 4 stations, including operators' telephones)—
Switchboard, cord or cordless, with battery power and ringing circuit, no additional charge.
Trunk lines, both-way, each $60.00
Stations, each 24.00
Transient hotel—Message rates (subscribers furnish the wiring)—
Switchboard, cord only, with an operator's telephone for each position—
Nonmultiple—
Magnetic signal, capacity 30 lines $24.00
Lamp signal, capacity 30 lines 30.00
Magnetic signal, capacity 80 lines 30.00
Lamp signal, capacity 80 lines 39.00
Multiple—
Magnetic signal, capacity 200 lines 48.00
Lamp signal, capacity 240 lines 48.00
Lamp signal, equipped for—
240 to 500 lines 60.00
Over 500 lines 72.00
Trunk lines, both-way only ..... No additional charge.
Stations, each—
First 25 ..... 5.00
Over 25 ..... 3.00
Local messages, each 0.02½
Battery power 24.00
Ringing circuit—
Nonmultiple switchboard—
Capacity 30 lines 12.00
Capacity 80 lines 18.00
Multiple switchboard—
Magnetic signal, capacity 200 lines 18.00
Lamp signal, capacity 300 lines 24.00
Lamp signal, capacity 500 lines, equipped for—
240 lines 30.00
Over 240 lines 36.00
No. 2 private branch exchanges and No. 1 residence systems—Flat rates (subscribers furnish the cabling. Contracts are not accepted for less than 2 trunk lines and 6 stations for business service nor for less than 1 trunk line and 4 stations for residence):
Trunk lines, both-way only, each—
Business $60.00
Residence 24.00
Stations, with switching device, each—
Business 24.00
Residence 12.00

FORT WORTH, TEX.—Continued.

Short-term service: (The charge is the proportionate part of the annual rate for the class of service employed, the minimum charge being the rate for 3 months, plus the cost of installation; except in the case of private branch exchange trunk lines for which the charge is $7.50 per month for a minimum period of 6 months).
Excess exchange line mileage (charges are computed on air-line distances beyond 3 miles from the central office):
Individual line, per quarter-mile or fraction thereof..... $3.00
Party line, per station, per quarter-mile or fraction thereof..... 3.00
Extension and tie-line mileage (charges are computed on route measurements), per quarter-mile or fraction thereof, $3.
Extra directory listings, business or residence, each, $4.
Joint-user service:
Business..... $12.00
Residence..... 6.00
Moving charges:
No charge is made for moving telephone equipment, provided service has been rendered continuously at the same location on the same premises for 1 year or more and provided service is continued at the new location for the ensuing 12 months.
Except as noted above, telephone equipment is moved at actual cost, with a minimum charge of $1.

FRANKFORT, ILL.

NET ANNUAL EXCHANGE RATES OF THE INTERSTATE TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1914.

Individual and party-line service:

	Individual line.	2-party line.	Rural party lines.	Extension station.
Business	$24.00	.....	$24.00	$12.00
Residence	18.00	$18.00	18.00	9.00

FREDERICK, WIS.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Business station, individual line..... $18.00
Residence station, individual line..... 12.00
Extension station..... 6.00
Rural connecting companies, $2.50 per circuit per month and 10 cents each for all stations in excess of 10 to a circuit.

FREEBURG, ILL.

NET ANNUAL EXCHANGE RATES OF THE KINLOCH LONG-DISTANCE TELEPHONE CO. IN EFFECT MAY 2, 1914.

Individual and party-line service:

	Individual line.	2-party line.	4-party line.
Business	$24.00	$21.00	.....
Residence	18.00	15.00	$12.00

Extensions—
Business station..... $12.00
Residence station..... 6.00

GALESBURG, ILL.

NET ANNUAL EXCHANGE RATES OF THE GALESBURG UNION TELEPHONE CO. IN EFFECT JULY 15, 1914.

[Exchange area includes Galesburg, Knoxville, and localities within a radius of 10 miles.]

Individual and party-line service:

	Individual line.	2-party line.	4-party line.	Extension station.
Business	$42.00	$30.00	.....	$12.00
Residence	21.00	15.00	$12.00	6.00

Rural-line service (magneto), $12.
Private branch exchange service:
Trunks..... $36.00
Stations..... 9.00

GASPORT, N. Y.

NET ANNUAL EXCHANGE RATES OF THE FEDERAL TELEPHONE & TELEGRAPH CO. IN EFFECT MAY 1, 1913.

Individual and party-line service:

	Individual line.	Party line.	Extension station.
Business	$24.00	$18.00	$6.00
Residence	12.00	12.00	6.00

Miscellaneous service:
Rural lines..... $12.00
Employees' stations..... 6.00
Extension bells..... 3.00
Extra-name service..... Free.

GLENVILLE, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Individual-line service:
Business station (Hayward)..... $18.00
Business station (Glenville)..... 12.00
Residence station..... 12.00
Rural station..... 12.00
Connecting companies, $2 per year per station.

GRACEVILLE, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Business station, individual line..... $24.00
Residence station, individual line..... 12.00
Rural station..... 15.00
Connecting companies, $3 per year per station.

GRAND FORKS, N. DAK.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Individual and party-line service:

	Individual line.	2-party line.	4-party line.	Extension station.
Business	$36.00	$30.00	$18.00	$12.00
Residence	24.00	18.00	15.00	.....

Extra name service in directory..... $12.00
Rural station..... 18.00
Intercommunicating systems:
Trunk line..... 36.00
Stations, each..... 9.00
Rural connecting companies, $3 per year per station.

GRAND RAPIDS, MICH.

NET ANNUAL EXCHANGE RATES OF THE CITIZENS' TELEPHONE CO. IN EFFECT APRIL 28, 1914.

[Exchange area includes Grand Rapids and rural territory adjacent.]

Individual and party-line service (flat rates):

	Individual line.	2-party line.	4-party line.
Business	$36.00	(1)	.....
Residence	24.00	.....	$20.00

[1] Business rate applies within 1 mile from central with increase of $2 for each additional one-fourth mile.

GRAND RAPIDS, MICH.

NET ANNUAL EXCHANGE RATES OF THE MICHIGAN STATE TELEPHONE CO. IN EFFECT AUG. 24, 1914.

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	Extension station.
Business	$36.00	$30.00	$6.00
Residence	18.00	15.00	6.00

Message rates (business only, on a quarterly guarantee basis).

Local messages per annum.	Individual line.	Additional local messages (cents).	Extension station.
800 or less	$24.00	2½	$6.00
1,200	30.00	2	.....

Individual and party-line short-term service.—The charge is the proportionate part of the annual rate for the class of service employed, plus a termination charge equal to 50 per cent of the rate for the unexpired portion of the contract term, maximum termination charge, $7.50.
Rural line service, business or residence, $18.
No. 1 private branch exchanges:
Commercial and department store—Flat rates—
Switchboard, cord or cordless, including battery power, ringing circuit, and one operator's telephone..... $12.00
Trunk lines, both-way only, each..... 36.00
Stations, each—
Main..... 12.00
Extension..... 6.00

GRAND RAPIDS, MICH.—Continued.

No. 1 private branch exchanges—Continued.
Hotel—Flat rates (subscribers bear the cost of wiring)—
Switchboard, cord only, with battery power, ringing circuit, and one operator's telephone $6.00
Trunk lines, both-way only, each 46.00
Stations, each 6.00
Hotel—Message rates (subscribers bear the cost of wiring)—
Switchboard, cord only, with battery power, ringing circuit, and one operator's telephone 6.00
Trunk lines ..... No additional charge.
Stations, each 6.00
Local messages, each 0.05
No. 2 private branch exchanges—Flat rates:
Trunk lines—
Business, both-way only, each 36.00
Residence, both-way only, each 18.00
Stations with switching device, each—
Business 18.00
Residence (if subscriber pays installation charges, the rate is $12) 15.00
Excess exchange-line mileage (mileage charges are computed on air-line distances beyond the base-rate area):
Individual line, per quarter-mile or fraction thereof $3.00
2-party line, per station, per quarter-mile or fraction thereof 2.00
4-party line, per station, per quarter-mile or fraction thereof 1.00
Extension and tie-line mileage, per quarter-mile or fraction thereof, route measurements, $7.60.
Extra directory listings, business or residence, $3.
Joint-user service, business or residence, $6.
Moving charges (if the initial contract term has not expired and subsequently if the contract is not renewed for the ensuing term):
Inside move, per main station and associated apparatus $1.00
Outside move, per main station and associated apparatus 2.00
No. 1 private branch exchange switchboard or No. 2 private branch exchange station, at cost.

GRANITE CITY, ILL.

NET ANNUAL EXCHANGE RATES OF THE KINLOCH LONG-DISTANCE TELEPHONE CO. IN EFFECT MAY 2, 1914.

Individual and party-line service:

	Individual line.	2-party line.	4-party line.
Business	$45.00	$30.00	.....
Residence	30.00	24.00	$18.00

Extensions:
Business station $12.00
Residence station 6.00

GRANTSBURG, WIS.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Business station, individual line $24.00
Residence station, individual line 18.00
Rural station 18.00
Rural connecting companies, $2.50 per circuit per month and 10 cents eachfor all stations in excess of 10 to a circuit.

GREENFIELD, ILL.

NET ANNUAL EXCHANGE RATES OF THE ILLINOIS TELEPHONE CO. IN EFFECT DEC. 31, 1914.

Business $24.00
Business with extension on same line in same building 36.00
Residence 12.00
Residence with extension on same line in same building 18.00

HAMPSHIRE, ILL.

NET ANNUAL EXCHANGE RATES OF THE INTERSTATE INDEPENDENT TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1914.

Individual and party-line service:

	Individual line.	2-party line.	Extension station.
Business	$24.00	$24.00	$6.00
Residence	18.00	18.00	6.00

Employees' station $9.00

HARRISBURG, PA.

NET ANNUAL EXCHANGE RATES OF THE BELL TELEPHONE CO. OF PENNSYLVANIA IN EFFECT AUG. 20, 1914.

[The local service area includes Harrisburg and 19 surrounding localities.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Both-way auxiliary line.	Extension station.
Business	$60.00	$48.00	$39.00	$42.00	$6.00
Residence	36.00	30.00	24.00	.....	6.00

Message rates (business only).

Local messages per annum.	Individual line.	Additional local messages (cents).	Extension station.
600	$36.00	4	$6.00
800	42.00	4	.....
1,000	48.00	4	.....
1,200	54.00	4	.....

Additional local messages, $3 per 100, if contracted for in advance.

Rural-line service:
Business $39.00
Residence 24.00
No. 1 or No. 2 private branch exchange service:
Business or residence—Flat rates—
Switchboard and an operator's telephone, or receiving station and switching devices, with battery power 30.00
First both-way trunk line, business 60.00
Additional both-way trunk lines, business, each 42.00
Trunk lines, both-way, residence, each 36.00
Stations, main or extension, each 6.00
Ringing power.—Hand-operated generator for signaling stations furnished without charge in connection with switchboards with less than 20 stations connected or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.
Business or residence—Message rates—
Switchboard and an operator's telephone, or receiving station and switching devices, with battery power $24.00
Trunk lines, both-way, each 24.00
Stations, main or extension, each 6.00
Local messages, guarantee 1,200, each 0.03
Additional local messages, each 0.04
If contracted for in advance, in lots of 100, each 0.03
Ringing power.—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.
Hotel—Message rates (contracts are not accepted for less than 20 stations, excluding operators' telephones)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, $24.
Trunk lines, both-way only (for flat-rate trunk lines, see the following paragraphs), no additional charge.
Stations, main or extension, each (no additional charge is made for the stations and booth equipment installed in public corridors for the use of the general public) $6.
Local messages.—The subscriber as the company's agent charges patrons the regularly established public-telephone rates for all local and toll messages and receives a commission on all charges for local and toll messages originating at the private branch exchange system.
Hotel message rates—With flat-rate trunk lines—
Flat-rate trunk lines may be connected with hotel message-rate private branch exchanges for use in connection with flat-rate business stations, which may be provided only for the use of officials and employees of the hotel. Under such an arrangement the flat-rate trunk lines terminate on special cords, the plugs of which do not fit the message-rate station jacks. Stations which are to have flat-rate service are equipped with two jacks to permit connections with either the flat-rate or message-rate trunk lines and with any other private branch exchange station. Flat-rate trunk lines are not listed in directory.
Flat-rate trunk lines are charged for at the rates given under the standard schedules for business flat-rate private branch exchange service. The charges for the switchboard and for those stations which are equipped for connection with the flat-rate trunk lines are equal to the sum of the respective standard rates which regularly apply under the business flat-rate and hotel message-rate schedules.

HARRISBURG, PA.—Continued.

Short-term service:
Individual and party lines—
Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than one year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
13.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for one month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Message rates.—When the number of messages under a message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.

Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases, the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in one year.

Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

Private branch exchanges:
Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.
Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.
Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.
Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals, or exceeds, the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in one year.

HARRISBURG, PA.—Continued.

Excess exchange-line mileage (mileage charges are computed on air-line measurement, beyond the base rate area):
Individual line, per quarter-mile or fraction thereof $5.00
Two-party line, per subscriber, per quarter-mile or fraction thereof 3.00
Four-party line, per subscriber, per quarter-mile or fraction thereof 2.00

Extension and tie-line mileage (charges are computed on route measurement), per quarter-mile or fraction thereof, $5.
Extra directory listings, business or residence, $3.
Joint-user service, business flat rate, individual or party line, one-half regular rate.
Moving charges:
Individual or party line, main or extension station or No. 1 private branch exchange station, during the first year or within one year from the last free move—
Inside move $1.00
Outside move—
Main station moved independently 3.00
Main station moved in conjunction with and to same address as switchboard 1.00
Extension station moved independently 3.00
Extension station moved in conjunction with and to same address as main station 1.00

Private branch exchange switchboards under annual contracts, during the first year or within one year from the last free move—

	Same room.	Another room.
Inside move—		
Cordless switchboard, 10 lines or less	$5.00	$8.00
Cord switchboard, 40 lines or less	10.00	18.00
Cord switchboard, over 40 lines	At cost.	At cost.
Outside move—		
Cordless switchboard, 10 lines or less	$10.00	
Cord switchboard, 40 lines or less	18.00	
Cord switchboard, over 40 lines	At cost.	
Trunk line, tie line, or outside extension line (switchboard terminal)	2.00	

No. 2 private branch exchanges, during the first or subsequent years, at cost.

HARRISBURG, PA.

NET ANNUAL EXCHANGE RATES OF THE CUMBERLAND VALLEY TELEPHONE CO. OF PENNSYLVANIA IN EFFECT MAY 21, 1914.

Individual and party-line service.

	Individual line.	2-party line.	4-party line.	Party line, local only.	Extension station.
Business	$48.00	$36.00	$30.00	$24.00	$6.00
Residence	36.00	30.00	24.00	18.00	6.00

Rates applying to all other exchanges operated by company.

	Individual line.	2-party line.	4-party line.	Party line, local only.	Extension station.
Business	$36.00	$30.00	$24.00	.....	$6.00
Residence	30.00	24.00	18.00	[1] $15.00	6.00

[1] With a few exceptions, the $15 rate does not apply.

HARTFORD, CONN.

NET ANNUAL EXCHANGE RATES OF THE SOUTHERN NEW ENGLAND TELEPHONE CO. IN EFFECT AUG. 20, 1914.

[The local service area includes Bloomfield, East Hartford, Hartford, Newington, Rocky Hill, South Windsor, West Hartford, and Wethersfield, Conn.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Auxiliary line.	Extension station.
Business	$84.00	$60.00	.....	$50.00	[1] $8.00
Residence	36.00	.....	$30.00	.....	[1] 6.00

[1] Plus installation charge of $2.

Message rates.

Local messages per annum.	Individual line.	4-party line.	6-party line.	Additional local messages (cents).	Extension station.
Business:					
800 or less	.....	$36.00	.....	4	[1] $8.00
1,200	$48.00	.....	.....	4	.....
1,500	54.00	.....	.....	4	.....
1,800	60.00	.....	.....	3½	.....
2,100	66.00	.....	.....	3½	.....
2,400	72.00	.....	.....	3	.....
Residence:					
400 or less	.....	.....	$25.00	4	[1] 6.00

[1] Plus installation charge of $2.

Individual and party-line short-term service: Short-term flat-rate service for periods of 6 months or less, is charged for at two-thirds of the standard annual rate. Emergency service, installed on account of sickness, for periods of not more than one month, is furnished for a flat charge of $5.

HARTFORD, CONN.—Continued.

Rural-line service: Service is furnished on an eight-plus-party line basis to both business and residence subscribers at $18 per annum. The local service area to rural-line subscribers covers only that portion of the township in which such subscribers are located, which is served by the same exchange. Messages to all other stations within the exchange area are charged for at 5 cents each. No toll is charged for incoming messages originating at subscribers' stations within the base-rate area or at subscribers' stations outside the base-rate area on which mileage is charged (not rural line stations). Toll charges to other exchanges are the same on messages from rural-line stations as on messages from subscribers' stations within the base-rate area served by the same central office. Eight-plus-party rural line stations, on which the 5-cent charge applies on messages to stations outside of the township of the calling station but within the same exchange area, are equipped with coin boxes.

Private branch exchange service:

No. 1 private branch exchanges (subscribers bear the expense of installation, excepting that portion to which regular mileage charges apply)—

Commercial, department store, family hotel, and apartment house—Flat rates—

Switchboard, cord or cordless, with battery power, without operating telephones, no additional charge.

First trunk line, both-way only	$84.00
Additional trunk lines, both-way only, each	50.00
Stations, each	8.00
Ringing circuit—$7.50 per annum, per one-quarter mile or fraction thereof of circuit required, plus (subscribers bear costs incidental to the installation of local ringing power)	10.00

Commercial, department store, family and transient hotel, and apartment house—Message rates—

Switchboard, cord, or cordless, with battery power, without operating telephones, no additional charge.

Trunk lines, both-way only, no additional charge.	
Stations, each	$3.00
Local messages—guarantee—	
5,000 per annum, $150.00; additional local messages, each	0.03
10,000 per annum, $300.00; additional local messages, each	0.03
15,000 per annum, $400.00; additional local messages, each	0.02½
20,000 per annum, $500.00; additional local messages, each	0.02½
Ringing circuit—$7.50 per annum per one-quarter mile or fraction thereof of circuit required, plus (subscribers bear costs incidental to the installation of local ringing power)	10.00

No. 2 private branch exchanges—

Business and residence—Flat rates (subscribers bear the expense of installation and the cost of maintaining the wiring)—

First trunk line, both-way only	$84.00
Additional trunk lines, both-way, each	50.00
Stations, each	8.00

Excess exchange-line mileage (mileage charges are computed on air-line distances. In outlying sections having a community of interests an average mileage charge is usually applied on party-line service, but individual-line mileage is computed separately for each subscriber. These average mileage charges are computed on air-line distances between the centers of such communities and the boundary of the base-rate area):

Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof	$5.00
Party line per station, per quarter-mile, or fraction thereof	1.00

Extension and tie-line mileage (mileage charges are based on route measurements), per quarter-mile or fraction thereof, $7.50.

Extra directory listings, business or residence, $4.

Joint-user service:

Flat rates, one-half the annual rate for the class of service employed.

Message rates, $8.

Moving charges:

Individual and party lines—

Moving a station to a different location on the same premises	$1.00
Moving a main station to premises which are already wired	2.00
Moving a main station to premises which are not wired	3.00

Private branch exchanges—Moving a part or all of a private branch exchange system, actual cost.

No charge is made under contracts for individual and party lines if the existing service has been used continuously at the same location for the full preceding year, or if the subscriber has paid the standard charges for all changes of location or equipment made during such preceding year, or if at the time of moving a contract is taken for a higher grade of service at an increased rate.

HATTIESBURG, MISS.

NET ANNUAL EXCHANGE RATES OF THE HATTIESBURG TELEPHONE CO. IN EFFECT MAY 7, 1914.

Individual and party line automatic service.

	Individual line.	Party line.	Extenson station.
Business	$36.00	$30.00	$12.00
Residence	24.00	18.00	6.00

HEBRON, NEBR.

NET ANNUAL EXCHANGE RATES OF THE LINCOLN TELEPHONE & TELEGRAPH CO. IN EFFECT JULY 1, 1914.

Individual and party line service.

	Individual line.	2-party line.	Farm line.
Business	$24.00	$15.00	
Residence	12.00		$15.00

HILLVIEW, ILL.

NET ANNUAL EXCHANGE RATES OF THE ILLINOIS TELEPHONE CO. IN EFFECT DEC. 31, 1914.

Business	$12.00
Business with extension on same line in same building	18.00
Residence	12.00
Residence with extension on same line in same building	18.00

HINCKLEY, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Business station, individual line	$18.00
Business station, extension set	6.00
Residence station, individual line	12.00

Rural connecting companies $2.50 per circuit per month and 10 cents each for all stations in excess of 10 to a circuit.

HOBOKEN, N. J.

NET ANNUAL EXCHANGE RATES OF THE NEW YORK TELEPHONE CO.

[Hoboken is included within a district area which also includes Bayonne and Jersey City, N. J., and the exchange rates in effect in all three cities are described in one statement. In the alphabetical arrangement of statements here employed, this statement may be found under Bayonne, N. J.]

HOLLAND, MICH.

NET ANNUAL EXCHANGE RATES OF THE CITIZENS' TELEPHONE CO. IN EFFECT APR. 28, 1914.

[Exchange area includes Holland and rural territory adjacent.]

Individual and party-line service (flat rates):

	Individual line.	4-party line.
Business	$33.00	
Residence	18.00	$15.00

Rural party line, $18 up. Rural party-line rates increase for distance beyond 6 miles or less than 8 on line.

HOLYOKE, MASS.

NET ANNUAL EXCHANGE RATES OF THE NEW ENGLAND TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 26, 1914.

Individual and party-line service:

Schedule I.—The local service area includes Holyoke and parts of Chicopee, South Hadley, and Westfield.

Flat rates.

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Extension station.
Business	$51.00	$42.00		$27.00	$6.00
Residence	30.00	24.00	$21.00		6.00

Message rates (business only).

Local messages per annum	825
Individual line	$33.00
Additional local messages:	
Up to a total of 6,000, each	0.03
Next 6,000, each	0.02¾
All others, each	0.02½
Extension station	6.00

Schedule II.—The local service area includes Agawam, Chicopee, Holyoke, Longmeadow, Springfield, and West Springfield, and parts of East Longmeadow, Ludlow, South Hadley, and Westfield.

Flat rates.

	Individual line.	2-party line.	Inward auxiliary line.	Extension station.
Business	$75.00		$27.00	$6.00
Residence	54.00	$42.00		6.00

No. 1 or No. 2 private branch exchanges:

Commercial, residence, hotel, and apartment house—Message rates (contracts are not accepted for periods of less than 3 years. No. 2 business systems are limited to a total of 10 lines)—

Switchboard, with battery power, an operator's telephone or receiving station with switching devices and 2,500 local messages per annum	$75.00
Trunk lines, both-way only, each	21.00
Stations, each	6.00
Additional local messages—	
First 3,500, each (in hotels and apartment houses all additional local messages are charged for at 3 cents each)	0.03
Next 6,000, each	0.02¾
All others, each	0.02½
Ringing circuit (applies only within a radius of 1 mile, air-line distance, from a central office, for installations of 19 stations or less. No additional charge is made if subscribers, within 1 mile from the central office, contract for 20 stations or more. Beyond this distance a mileage charge is made of $5 per quarter-mile or fraction thereof)	18.00

Hotel—Message rates—Season service (contracts are not accepted for periods of less than 5 years nor for less than 50 stations and allow service for a period of 5 months in each year)—

Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position	No charge.
Trunk lines, both-way only	No charge.
Stations—	
First 50, each	$5.00
Over 50, each	4.00
Local messages, each	0.03

HOLYOKE, MASS.—Continued.

No. 1 or No. 2 private branch exchanges—Continued.
Department store—Message rates (contracts are not accepted for periods of less than 5 years nor for less than 50 stations)—
Switchboard, with battery power, ringing circuit, and an operator's telephone ..... No charge.
Trunk lines, both-way only, each $24.00
Stations, each 6.00
Local messages—
First 6,000, each 0.03
Next 6,000, each 0.02¾
All others, each 0.02½

No. 2 private branch exchanges—Residence—Flat rates (contracts are not accepted for a period of less than 3 years. Interior cable in excess of 500 feet and all outside cable between a subscriber's buildings on the same premises, is furnished at the subscriber's expense. The rate quoted for receiving stations includes switching devices for all stations):
Trunk lines, both-way, each $30.00
Trunk lines, incoming, each 27.00
Receiving station, with switching devices 24.00
Station, with or without switching device, each 6.00

Short-term service:
Emergency service (regular installation and removal charges apply as specified below under 3 months' service)—
Flat rate, individual line or residence No. 2 private branch exchange trunk line—
First day $3.00
Each additional day 0.75
Message rate, trunk line and private branch exchange station (either or both)—
First three days $5.00
Each additional week (charge not to exceed annual rate) 1.00
Three-months periods—

Flat rates.

	Schedule I.	Schedule II.
Business:		
Individual line	$21.00	$32.00
Party line	18.00	.....
Residence:		
Individual line or No. 2 private branch exchange trunk line	18.00	26.00
Party line, per station	15.00	22.00

Message rates.—Private branch exchange trunk line (no installation charge), $12.

Service continuing beyond the initial 3 months period is charged for at a rate for each whole month equal to one-ninth the difference between the short-term rate and the annual rate for similar service, with a charge pro rata for fractional parts of a month.
The following charges are made, in addition to the rates quoted above, for installation and removal of equipment furnished for short periods:
If instrument is on premises and inside wiring and drop wiring are in place $2.00
If both inside wiring and drop wiring are in place, but it is necessary to furnish an instrument 3.00
If either inside wiring or drop wiring is in place, but not both, and instrument must be installed 4.00
If it is necessary to install inside wiring, drop wiring, and instrument 5.00

Excess exchange line mileage (mileage is charged on the air-line distances beyond 2 miles from the central office):
Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof $2.50
Two-party line, per station, per quarter-mile or fraction thereof 1.00
Four-party line, per station, per quarter-mile or fraction thereof 0.50

Extension and tie-line mileage (charges are computed on route measurements):
Extension lines—
First half-mile or fraction thereof $10.00
Each additional quarter-mile or fraction thereof 5.00
Tie lines (between switchboards in the same exchange)—
Switchboards contracted for by the same subscriber in separate buildings—
First mile or fraction thereof $35.00
Each additional quarter-mile or fraction thereof (when the switchboards are in the same building and only inside wiring is required, the minimum charge per line is $10) 8.75
Switchboards contracted for by different subscribers in separate buildings (not more than 3 private branch exchange switchboards of different subscribers will be connected together by means of tie lines)—
First mile or fraction thereof $60.00
Each additional quarter-mile or fraction thereof 15.00

Extra directory listings:
Business or residence 3.00
Names of tenants in hotels and apartment houses 5.00

Joint-user service:
Flat rates, individual line or private branch exchange, one-half of annual rate, not to exceed $50.
Message rates, individual line or private branch exchange, $5.

Moving charges:
Individual or party-line stations or No. 1 private branch exchange stations—
Inside move—
25 feet or less of inside wiring necessary $1.00
Over 25 feet of inside wiring necessary 2.00
Outside move—
Drop and inside wiring necessary and instrument to be placed 5.00
Drop or inside wiring (one only) necessary and instrument to be placed 4.00
No wiring necessary but instrument to be placed 3.00
No wiring necessary and instrument in place 2.00
When a main station, extension station, and other station equipment are moved at the same time, the work practically constituting one job, full charge is made for moving the main station, and one-half the scheduled charges for moving the other apparatus.
Moves of switchboards, entire No. 1 private branch exchange systems or No. 2 private branch exchange stations, are made at actual cost.
At any time after the expiration of the initial contract period the subscriber may extend his contract for another contract period in lieu of payment of the above charges.

HOUSTON, TEX.

NET ANNUAL EXCHANGE RATES OF THE SOUTHWESTERN TELEGRAPH & TELEPHONE CO. (NEW YORK) IN EFFECT AUG. 22, 1914.

[The local service area includes Houston, Houston Heights, Harrisburg, and Central Park.]

Individual and party-line service (flat rates)—

	Individual line.	2-party line.	4-party line.	Extension station.
Business	$60.00	$42.00	.....	$12.00.
Residence	24.00	.....	$18.00	Desk set, $12.00. Wall set, $6.00.

No. 1 private branch exchanges:
Commercial and department store—Flat rates (contracts are not accepted for less than 2 trunk lines and 4 stations, including operators' telephones)—
Switchboard, cord or cordless, with battery power and ringing circuit, without operators' telephones ..... No additional charge.
Trunk lines, both-way, each $60.00
Stations, each (extension stations, not to exceed the number of trunks connected, are furnished at $12 each per annum) 24.00
Transient hotel—Message rates (subscribers furnish the wiring)—
Switchboard, cord only, with an operator's telephone for each position—
Nonmultiple—
Magnetic signal, capacity 30 lines 24.00
Lamp signal, capacity 30 lines 30.00
Magnetic signal, capacity 80 lines 30.00
Lamp signal, capacity 80 lines 39.00
Multiple—
Magnetic signal, capacity 200 lines 48.00
Lamp signal, capacity 240 lines 48.00
Lamp signal, equipped for—
240 to 500 lines 60.00
Over 500 lines 72.00
Trunk lines, both-way only ..... No additional charge.
Stations, each—
First 25 ..... $5.00
Over 25 ..... 3.00
Local messages, each 0.02½
Battery power 24.00
Ringing circuit—
Nonmultiple switchboard—
Capacity 30 lines 12.00
Capacity 80 lines 18.00
Multiple switchboard—
Magnetic signal, capacity 200 lines 18.00
Lamp signal, capacity 300 lines 24.00
Lamp signal, capacity 500 lines, equipped for—
240 lines 30.00
Over 240 lines 36.00

No. 2 private branch exchanges and No. 1 residence systems—Flat rates (subscribers furnish the cabling. Contracts are not accepted for less than 2 trunk lines and 6 stations for business service nor for less than 1 trunk line and 4 stations for residence service):
Trunk lines, both-way only, each—
Business $60.00
Residence 24.00
Stations, with switching device, each—
Business 24.00
Residence 12.00

Short-term service: The charge is the proportionate part of the annual rate for the class of service employed, the minimum charge being the rate for 3 months, plus the cost of installation, except in the case of private branch exchange trunk lines for which the charge is $7.50 per month for a minimum period of 6 months.
Excess exchange line mileage (charges are computed on air-line distances beyond 3½ miles from the central office):
Individual line, per quarter-mile or fraction thereof $3.00
Party line, per station, per quarter-mile or fraction thereof 3.00
Extension and tie-line mileage (charges are computed on route measurements), per quarter-mile or fraction thereof, $3.
Extra directory listings, business or residence, each, $4.
Joint-user service:
Business $12.00
Residence 6.00
Moving charges: No charge is made for moving telephone equipment provided service has been rendered continuously at the same location on the same premises for 1 year or more, and provided service is continued at the new location for the ensuing 12 months. Except as noted, telephone equipment is moved at actual cost, with a minimum charge of $1.

ISANTI, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE AND TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Business station, individual line $18.00
Residence station, individual line 12.00
Extension station 6.00
Rural station 15.00
Rural connecting companies, $2.50 per circuit per month and 10 cents each for all stations in excess of 10 to a circuit.

JACKSON, MISS.

NET ANNUAL EXCHANGE RATES OF THE MISSISSIPPI HOME TELEPHONE CO. IN EFFECT MAY 7, 1914.

Individual and party line automatic service.

	Individual line.	Party line.	Extension station.
Business	$36.00	$30.00	$12.00
Residence	24.00	18.00	6.00

JACKSONVILLE, FLA.

NET ANNUAL EXCHANGE RATES OF THE SOUTHERN BELL TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 17, 1914.

Individual and party-line service:

Note.—Where the same charge is shown for service with different numbers of subscribers on a circuit, under business or residence flat rates or message rates, the lower grades of service are ordinarily employed only beyond the base-rate area, with mileage charges.

Flat rates.

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Extension station.
Business	$60.00	$48.00	$48.00	$30.00	$18.00.
Residence	36.00	24.00	24.00	.....	Wall set, $12.00. Desk set, $18.00.

Message rates (on monthly guarantee basis).

Local messages per annum.	Individual line.	2-party line.	4-party line.	Additional local messages (cents).	Extension station.
Business:					
1,200	$36.00	$36.00	$36.00	3	$18.00.
Limit of charge per month	6.00	5.00	5.00	.....	
Residence:					
600	.....	.....	18.00	3	Wall set, $12.00. Desk set, $18.00.
Limit of charge per month	.....	.....	3.00		

Individual and party-line short-term service:

Emergency service (the charge is the regular monthly rate for the period of service plus the estimated expense of installation and disconnection).

Season service (for not less than 4 months, the charge is the regular rate for the period of service, plus 50 per cent).

Private branch exchange service:

No. 1 private branch exchanges (contracts are for periods of 5 years)—

Commercial and department store—Flat rates—

Switchboard, cord or cordless, with one operator's telephone, $1 for each station originally connected, minimum charge $24: when a considerable number of stations are subsequently connected or disconnected, the switchboard charge is modified accordingly.

Trunk lines, both-way, each $90.00
Trunk lines, incoming, each 45.00
Stations, main or extension, each 12.00

Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 36 cents per annum for each station, including operators' telephones. The maximum charge is $2 per annum per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 30,000.

Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.

Commercial and department store—Message rates—

Switchboard, cord or cordless, with one operator's telephone, $1 for each station originally connected, minimum charge $24; when a considerable number of stations are subsequently connected or disconnected, the switchboard charge is modified accordingly.

Trunk lines, both-way, each $48.00
Trunk lines, incoming, each 36.00
Stations, main or extension, each 6.00

Local messages.—One local message per month is allowed, without additional charge, for each 3 cents charged per month for trunk lines. No message allowance is included in charges for switchboard, stations, battery power, or ringing circuit. Additional local messages, each, 3 cents.

Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 36 cents per annum for each station, including operators' telephones. The maximum charge is $2 per annum per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 30,000.

Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.

Hotel and apartment house—Message rates.—

Switchboard, cord or cordless, with one operator's telephone, 30 per cent of the cost, installed.

Trunk lines, both-way or incoming, each (the average number of originating local messages per month for each trunk line in service must be 200 or more before an additional trunk line will be furnished) $36.00

Stations, main or extension, each—
When company installs and maintains inside wiring 6.00
When subscriber installs and maintains inside wiring 4.00

Local messages.—One local message per month is allowed, without additional charge, for each 3 cents charged per month for trunk lines. No message allowance is included in charges for switchboard, stations, battery power, or ringing circuit. Additional local messages, each, 3 cents.

JACKSONVILLE, FLA.—Continued.

Private branch exchange service—Continued.

No. 1 private branch exchanges—Continued.

Hotel and apartment house—Message rates—Continued.

Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 12 cents per annum for each station, including operators' telephones. The maximum charge is 50 cents per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 120,000.

Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.

No. 2 private branch exchanges—

Business and residence—Flat rates (contracts are for periods of either 1 or 3 years. Under 1-year contracts subscribers pay the actual cost of cabling, including the cost of labor and material. Under 3-year contracts subscribers pay the actual cost of cabling in excess of 50 feet for any station, including the cost of labor and material. The maximum equipment furnished is that for 10 lines)—

	1-year contract.	3-year contract.
Trunk lines, both-way, each:		
Business	$90.00	$90.00
Residence	54.00	54.00
Trunk lines, incoming, each:		
Business	45.00	45.00
Residence	27.00	27.00
Receiving station, with switching device	18.00	24.00
Stations, main or extension, with switching device, each	12.00	15.00
Battery power and ringing circuit	15.00	15.00

Excess exchange-line mileage (charges are computed on air-line measurements beyond the city limits at $5 per quarter-mile or fraction thereof and are quoted on a "per line" basis. On unfilled party lines the total charge for mileage bears the same relation to the above rate as the number of subscribers connected bears to the number that may be connected on that type of line. Under message-rate contracts one local message per month is allowed, without additional charge, for each 3 cents per month on the mileage charge).

Extension and tie-line mileage:

Extension lines, per quarter-mile or fraction thereof $5.00
Tie lines, per quarter-mile or fraction thereof 10.00

Under message-rate contracts, one local message per month is allowed without additional charge, for each 3 cents per month of the mileage charge.

Extra directory listings, each, per annum, $3. Under message-rate contracts, one local message per month is allowed, without additional charge, for each 3 cents per month of the charge for listings.

Joint-user service:

	Business.	Residence.
Flat rates:		
Individual line	$24.00	$12.00
2-party line	18.00	6.00
4-party line	18.00	6.00
Message rates:		
Individual line	12.00	.....
Limit of charge per month	2.00	.....
2-party line	12.00	.....
Limit of charge per month	2.00	.....
4-party line	12.00	6.00
Limit of charge per month	2.00	1.00

Under message-rate contracts, one local message per month is allowed without additional charge, for each 3 cents per month of the charge for joint-user service

Moving charges:

Move to another location in the same office or room, each station $1.00
Move to another location in the same building, each station 2.00
Move to another building, together with extensions and supplemental equipment, if any, each main station 3.00
Changing service from individual to party line, each main station 2.50
Changing party-line subscriber to another party line, at subscriber's request 2.50
Changing equipment at subscriber's request, when the change is not required for the efficiency of the service 1.50
Any move of a private branch exchange switchboard together with all associated stations and apparatus, to another location on the same or different premises estimated cost of labor and material.

JACKSONVILLE, ILL.

NET ANNUAL EXCHANGE RATES OF THE ILLINOIS TELEPHONE CO. IN EFFECT DEC. 31, 1914.

Business $24.00
Business with extension on same line in same building 36.00
Residence 18.00
Residence with extension on same line in same building 27.00

JERSEY CITY, N. J.

NET ANNUAL EXCHANGE RATES OF THE NEW YORK TELEPHONE CO.

[Jersey City is included within a district area which also includes Bayonne and Hoboken, N. J., and the exchange rates in effect in all three cities are described in one statement. In the alphabetical arrangement of statements here employed, this statement may be found under Bayonne, N. J.]

JOHNSTOWN, PA.

NET ANNUAL EXCHANGE RATES OF THE CENTRAL DISTRICT TELEPHONE CO. IN EFFECT AUG. 20, 1914.

[The local service area includes Johnstown and eight surrounding localities.]

Individual and party-line service (flat rates):

	Individual line.	2-party line.	4-party line.	6-party line.	Both-way auxiliary line.	Extension station.
Business	$30.00	$24.00	.....	.....	$36.00	$6.00
Residence	24.00	18.00	$15.00	$12.00	.....	6.00

Rural-line service:
- Business $24.00
- Residence 18.00

No. 1 or No. 2 private branch exchange service:
- Business or residence—Flat rates—
  - Switchboard and an operator's telephone, or receiving station and switching devices, with battery power 30.00
  - First both-way trunk lines, business 30.00
  - Additional both-way trunk lines, business, each 36.00
  - Trunk lines, both-way, residence, each 24.00
  - Stations, each 6.00
  - Ringing power.—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.
- Business or residence—Message rates—
  - Switchboard and an operator's telephone, or receiving station and switching devices, with battery power $24.00
  - Trunk lines, both-way, each 24.00
  - Stations, main or extension, each 6.00
  - Local messages, guarantee 1,200, each 0.03
  - Additional local messages, each 0.04
    - If contracted for in advance, in lots of 100, each 0.03
  - Ringing power.—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.
- Hotel—Message rates (contracts are not accepted for less than 20 stations, excluding operators' telephones)—
  - Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position $24.00
  - Trunk lines, both-way only (for flat-rate trunk lines, see the following paragraphs). No additional charge.
  - Stations, main or extension, each (no additional charge is made for the stations and booth equipment installed in public corridors for the use of the general public) $6.00
  - Local messages.—The subscriber, as the company's agent, charges patrons the regularly established public telephone rates for all local and toll messages and receives a commission on all charges for local and toll messages originating at the private branch exchange system.
- Hotel—Message rates—With flat-rate trunk lines—
  - Flat-rate trunk lines may be connected with hotel message-rate private branch exchanges for use in connection with flat-rate business stations, which may be provided only for the use of officials and employees of the hotel. Under such an arrangement the flat-rate trunk lines terminate on special cords, the plugs of which do not fit the message-rate station jacks. Stations which are to have flat-rate service are equipped with two jacks to permit connections with either the flat-rate or message-rate trunk lines, and with any other private branch exchange station. Flat-rate trunk lines are not listed in directory.
  - Flat-rate trunk lines are charged for at the rates given under the standard schedules for business flat-rate private branch exchange service. The charges for the switchboard and for those stations which are equipped for connection with the flat-rate trunk lines are equal to the sum of the respective standard rates which regularly apply under the business flat-rate and hotel message-rate schedules.

Short-term service:
- Individual and party line—
  - *Flat rates.*—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than one year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

JOHNSTOWN, PA.—Continued.

Short-term service—Continued.
Individual and party line—flat rates—Continued.

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for one month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Extension stations.—The charge is the proportionate part of the annual rate for the period of service plus one-half the proportionate part of the annual rate for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station that longest in service is assumed to be the one disconnected.

Private branch exchanges:
- *Switchboards.*—The charge is the proportionate part of the annual rate for the period of service plus one-half the proportionate part of the annual rate for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.
- *Trunk lines.*—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.
- *Stations, main or extension.*—The charge is the proportionate part of the annual rate for the period of service plus one-half the proportionate part of the annual rate for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.
- *Local messages.*—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals or exceeds the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in one year.

Excess exchange line mileage (mileage charges are computed on air-line distances, beyond the base-rate areas):
- Individual lines, per quarter-mile, or fraction thereof $5.00
- Two-party line, per subscriber, per quarter-mile or fraction thereof 3.00
- Four-party line, per subscriber, per quarter-mile or fraction thereof 2.00

Extension and tie-line mileage (charges are computed on route measurement), per quarter-mile or fraction thereof, $5.

Extra directory listings, business or residence, $3.

Joint-user service, business flat rate, individual or party line, one-half regular rate.

Moving charges:
- Individual or party line, main or extension station or No. 1 private branch exchange station, during the first year or within one year from the last free move—
  - Inside move $1.00
  - Outside move—
    - Main station moved independently 3.00
    - Main station moved in conjunction with and to same address as switchboard 1.00
    - Extension station moved independently 3.00
    - Extension station moved in conjunction with and to same address as main station 1.00
- Private branch exchange switchboards under annual contracts, during the first year or within one year from the last free move—

	Same room.	Another room.
Inside move—		
Cordless switchboard, 10 lines or less	$5.00	$8.00
Cord switchboard, 40 lines or less	10.00	18.00
Cord switchboard, over 40 lines	At cost.	At cost.
Outside move—		
Cordless switchboard, 10 lines or less		$10.00
Cord switchboard, 40 lines or less		18.00
Cord switchboard, over 40 lines		At cost.
Trunk line, tie line, or outside extension line (switchboard terminal)		$2.00

No. 2 private branch exchanges, during the first or subsequent years, at cost.

JOHNSTOWN, PA.

NET ANNUAL EXCHANGE RATES OF THE JOHNSTOWN TELEPHONE CO. IN EFFECT JULY 1, 1914.

[Exchange area includes Johnstown and localities and territory within a radius averaging about 7 miles.]

JOHNSTOWN, PA.—Continued.

Individual and party-line service:

	Individual line.	2-party line.	4-party line.
Less than 1 mile:			
Business	$30.00	$24.00	.....
Residence	24.00	18.00	.....
1 to 3 miles:			
Business	36.00	30.00	$24.00
Residence	30.00	24.00	18.00
More than 3 miles:			
Business	42.00	36.00	30.00
Residence	36.00	30.00	24.00
Mileage beyond exchange area per ¼ mile or fraction thereof	6.00	4.00	3.00

Rural-line service: Multiparty lines, $24.
Private branch exchange service:
- Switchboard (1 position cord) battery power and operating telephone. $30.00
- Switchboards, additional, per position 25.00
- Trunks, each 36.00
- Stations, each, extension-station rate.

Miscellaneous:
- Listing contract 6.00
- Business-extension station 12.00
- Residence-extension station 6.00
- Desk-set equipment, additional 6.00
- Extension bells 3.00

JOLIET, ILL.

NET ANNUAL EXCHANGE RATES OF THE INTERSTATE INDEPENDENT TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1914.

Individual-line service:

	Individual line.	Extension station.
Business	$30.00	$7.56–$9.00 9.96–12.00
Residence	18.00	6.00

Miscellaneous service per station:
- Employees (female) $9.00
- Employees (male) 12.00
- Rural 18.00

KANEVILLE, ILL.

NET ANNUAL EXCHANGE RATES OF THE INTERSTATE INDEPENDENT TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1914.

Individual and party-line service.

	Individual line.	2-party line.	Extension station.
Business	$24.00	.....	$6.00
Business, including toll free to Big Rock or Sugar Grove	30.00	.....	.....
Residence	18.00	$18.00	18.00

KANSAS CITY, KANS.

NET ANNUAL EXCHANGE RATES OF THE KANSAS CITY HOME TELEPHONE CO. IN EFFECT MAR. 8, 1913.

Individual-line service (metallic circuit):

	Individual line.	Extension station.
Business	$54.00	$12.00
Residence	36.00	9.00

Exceptions to above rates, if any.—The business rate in the territory inside a point 2½ miles from the Chamber of Commerce Building, near Fifth and Central Avenue, is $54 per year, and outside this limit, for each mile or fraction thereof, $24 per year. The $12 rate on extension applies where extension is in the same room or suite of rooms.
- Extension gongs $6.00
- Extension bells 3.00

Intercommunicating system:
- Trunks 60.00
- Stations 15.00

Private branch exchange:
Commercial—
- Switchboards 30.00
- Trunks 60.00
- Stations on switchboards 12.00
- Stations outside, per mile or fraction thereof 24.00

KANSAS CITY, KANS.—Continued.

Private branch exchange—Continued.
Hotel—
- Trunk lines and switchboard Free.
- 25 to 50 stations $10.80
- 51 to 100 stations 9.00
- 101 stations or more 7.20
  Subscriber furnishes inside wiring.

Miscellaneous:
- Switchboard key 6.00
- Spring jacks, per pair 3.00
- Toll trunks 36.00
- Return buzzer circuits 3.00

Private lines:
- Stations, each 12.00
- Mileage, per mile or fraction thereof, for inside mileage 24.00
- Switch to connect private line with main line 6.00
- Extra service on business station (publishing name of a nonsubscriber) with one clasification in alphabetical and business classified list 12.00
- Extra name on business station (publishing name of a representative of main subscriber) with one classification in alphabetical and business classified list 4.00
- Extra names on residence station 4.00
- For extra service and extra names to be published in bold-face type 8.00

Moving charges (a charge of $3 will be made for moving a station from one address to another, and a charge of $1.50 for moving a station from one location to another at the same address, provided same has not been used for 12 consecutive months at exact location occupied before move is made).

KANSAS CITY, KANS.

NET ANNUAL EXCHANGE RATES OF THE MISSOURI & KANSAS TELEPHONE CO.

[Kansas City, Kans., is included within the Kansas City, Mo., district area, and the exchange rates in effect in both cities are described in the statement under Kansas City, Mo.]

KANSAS CITY, MO.

NET ANNUAL EXCHANGE RATES OF THE KANSAS CITY HOME TELEPHONE CO. IN EFFECT MAR. 1, 1913.

Individual line—unlimited service:
- Business, within corporate limits $60.00
- Business, outside corporate limits, $60 plus $6 for each quarter-mile or fraction thereof.
- Residence, within corporate limits $36.00
- Residence, outside corporate limits, $36 plus $6 for each quarter-mile or fraction thereof.

Extensions:
- Business stations in same room, each $12.00
- Business stations, outside room, $12 plus $6 for each quarter-mile or fraction thereof.
- Residence stations $9.00
- Gongs 6.00
- Bells 3.00

Intercommunicating system:
- Business trunks, each 60.00
- Business stations, each 15.00
- Residence trunks, each 36.00
- Residence stations, each 12.00

Private branch exchange:
Commercial—
- Switchboard 30.00
- Trunks 60.00
- Stations inside building 12.00
- Stations outside building, $12 plus $6 for each quarter-mile or fraction thereof.

Hotel—
- 25 to 50 stations per year, each 10.80
- 51 to 100 stations per year, each 9.00
- 101 or more stations per year, each 7.20
  Hotel wall type instruments furnished; desk telephone, $3 additional. Operator furnished and paid by subscriber. Subscriber furnishes inside wiring. Minimum number of stations, 25. Trunks and switchboards furnished free.

Private lines:
- Instruments $12.00
- Mileage—
  - Outside building, per quarter-mile or fraction thereof 6.00
  - Inside building, per mile or fraction thereof 12.00
  - Switch to connect private line with exchange line 6.00

Miscellaneous service:
- Switchboard keys 6.00
- Spring jacks, per pair 3.00
- Return buzzer circuits 3.00
- Publishing name of a nonsubscriber, with one classification in alphabetical and business classified list 12.00
- Publishing name of a representative of main subscriber, with one classification in alphabetical and business classified list 4.00
- Extra name on residence service 4.00
- Heavy type on extra service and extra names 8.00

Moving charges:
- A charge of $3 is made for moving a station from one building to another and a charge of $1.50 for moving a station from one location to another within the same building, provided same has not been used for 12 consecutive months at exact location occupied before move is made.
- A charge of $3 is made for moving outside stations on private branch exchanges and a charge of $1.50 for moving inside stations on private branch exchanges.
- A charge of cost is made for moving stations on intercommunicating systems.

Vacation rate: Telephones will be placed on half-rate basis for a period of not more than 90 or less than 30 days. By this arrangement outgoing service only is furnished; and reserves the directory listing and gives the privilege to call central in cases of emergency.

KANSAS CITY, MO., AND KANSAS CITY, KANS.

NET ANNUAL EXCHANGE RATES OF THE MISSOURI & KANSAS TELEPHONE CO. IN EFFECT AUGUST 22, 1914.

KANSAS CITY DISTRICT SERVICE AREA.

The exchanges and central offices in the Kansas City district service area are as follows:

Exchanges.	*Central offices.*
Kansas City, Mo.	Main, Grand, South, East, Hiland, Leeds.
Kansas City, Kans.	West, Argentine.
Bethel, Kans.	Bethel.
Merriam, Kans.	Merriam.
Rosedale, Kans.	Rosedale.

Mount Washington, Mo. Subscribers in Mount Washington who contract for district service have the designation "Brooks"; subscribers to local service, the designation "Fairmount." No special designations are given to distinguish between district and local subscribers connected with other central offices.

Individual and party-line and rural-line service.

Schedule I.—Schedule I is available to all subscribers served by any central office in the five exchanges above enumerated and this schedule, with mileage charges, when applicable, entitles subscribers to messages without other charges to all stations bearing the designation of any central office in Kansas City, Kans.; Bethel, Kans.; Merriam, Kans.; Rosedale, Kans.; or Kansas City, Mo. (except to subscribers to Schedule II rates connected to the Leeds central office at Kansas City, Mo.); to "Brooks" subscribers in Mount Washington under Schedule V, and to subscribers in Washington Township, Jackson County, Mo., under Schedule VII.

Note.—Subscribers to Schedule I connected to Leeds central office are allowed messages without other charges to all Leeds subscribers, to both "Brooks" and "Fairmount" subscribers in Mount Washington and to any station connected to the Independence central office, in addition to stations in the area outlined above.

Flat rates.

	Business.	Residence.
Individual line	$60.00	$36.00
2-party line		30.00
4-party line		24.00
Inward auxiliary line	36.00	
Extension station	12.00	Kansas, 9.00 Missouri, 12.00

Schedule II.—Schedule II is available to subscribers served by the Argentine central office in Kansas City, Kans., and by the central offices in Rosedale, Bethel, and Merriam, Kans., and by the Leeds central office in Kansas City, Mo. This schedule entitles subscribers to messages, without other charges, to all stations bearing the same central office designation. In addition, Bethel subscribers at Schedule II rates are allowed messages, without other charges, to stations connected to the West central office of Kansas City, Kans. Leeds subscribers at Schedule II rates are allowed messages without other charges to Independence subscribers and to both "Brooks" and "Fairmount" subscribers in Mount Washington.

Flat rates.

	Business.	Residence.
Individual line	$30.00	$18.00
2-party line		15.00
Extension station	12.00	[1] 9.00 [2] 12.00

[1] Kansas. [2] Missouri.

Schedule III.—Schedule III is available to subscribers in Main, Grand, South, East, Hiland, and Leeds central offices. The rate covers messages to any station in the Kansas City district service area, and to "Brooks" subscribers in Mount Washington.

Subscribers' coin-box rates (*business or residence*)—

Individual line.—Guaranty of 15 cents per day. Refund of 2 cents each on messages in excess of guaranty.

Two-party line.—Guaranty of 10 cents per day. Refund of 1 cent each on messages in excess of guaranty.

Schedule IV.—Schedule IV is available to subscribers in Argentine, Bethel, Merriam, Rosedale, and West central offices. The rate covers messages to any station in the Kansas City district service area, and to "Brooks" subscribers in Mount Washington.

Subscribers' coin-box rates (*business or residence*)—

Individual line.—Guaranty of $4 per month to cover 80 messages. Excess messages, 3 cents each.

Four-party line.—Guaranty of $2.25 per month to cover 45 messages. Excess messages, 5 cents each.

Schedule V.—Schedule V is available to subscribers in the Mount Washington exchange. Subscribers under this schedule have the designation "Brooks" and are entitled to messages, without other charges, to any station in the Kansas City district service area, to "Fairmount" subscribers in Mount Washington, and to stations connected to the Independence central office.

Flat rates.

	Business.	Residence.
Individual line	$84.00	$48.00
Extension station	12.00	12.00

KANSAS CITY, MO., AND KANSAS CITY, KANS.—Contd.

KANSAS CITY DISTRICT SERVICE AREA—continued.

Individual and party-line and rural-line service—Continued.

Schedule VI.—Schedule VI applies to subscribers in rural sections adjacent to Argentine, Bethel, Merriam, and Rosedale central offices, and entitles subscribers to messages, without other charges, to any station in the Kansas City district service area, to "Brooks" subscribers in Mount Washington and to subscribers under Schedule VII rates in Washington Township, Jackson County, Mo.

Flat rates.—Rural 10-party line, $24.

Schedule VII.—Schedule VII is available to subscribers in Washington Township, Jackson County, Mo., and entitles subscribers to messages, without other charges, to any station in the Kansas City district service area (except subscribers connected to Leeds central office under Schedule II), and to "Brooks" subscribers in Mount Washington.

Flat rates:

Rural 4-party line rate	$42.00
Rural 10-party line rate	24.00

Schedule VIII.—Schedule VIII is available to subscribers in the rural districts adjacent to Hiland central office, and entitles subscribers to messages, without other charges, to any station in the Kansas City district service area.

Flat rates.—Rural 10-party line, $18.

Schedule IX.—Schedule IX is available to subscribers at Argentine, Bethel, Leeds, Merriam, and Rosedale central offices, and entitles subscribers to messages, without other charges, to all stations connected to the same central office; except in the case of Bethel, where subscribers under Schedule IX are also allowed messages, without other charges, to stations connected to the West central office; and except in the case of Leeds, where subscribers under Schedule IX are also allowed messages, without other charges, to Independence subscribers and to "Brooks" and "Fairmount" subscribers in Mount Washington.

Flat rates.—Rural 10-party line, $12.

Individual and party-line short-term service.—The charge is the proportionate part of the annual rate for the class of service employed, minimum period one month plus a termination charge equal to $1 per month for the unexpired portion of the initial contract year.

No. 1 private branch exchanges:

Commercial and department store—Flat rates (contracts are not accepted for less than 3 stations, excluding operators' telephones)—	
Switchboard, cordless, with battery power and an operator's telephone, maximum capacity 3 trunks, 7 lines	$36.00
Switchboard, cord, with battery power and an operator's telephone for each position, maximum capacity 80 lines—	
Equipped for 15 lines or less	$24.00
Additional equipment for each group of 10 lines or less	4.80
Trunk lines, both-way only, each	60.00
Stations, each—	
1 to 40	12.00
41 to 60	9.00
61 to 80	6.00
81 to 100	3.60
Over 100	3.00
Ringing circuit	24.00
Family hotel and apartment house—Flat rates (subscribers furnish and maintain wiring between the switchboard and stations in hotel rooms. Contracts are not accepted for less than 3 stations, excluding operators' telephones)—	
Switchboard, cordless, with battery power and operator's telephone, maximum capacity 3 trunks, 7 lines—	
In Missouri	$36.00
In Kansas	24.00
Switchboard, cord, with battery power and an operator's telephone for each position, maximum capacity 80 lines—	
Equipped for 15 lines or less	$24.00
Additional equipment for each group of 10 lines or less	4.80
Trunk lines, both-way only, each	60.00
Stations, each—	
1 to 10	6.00
11 to 20	5.40
21 to 35	4.80
36 to 50	4.20
51 to 100	3.60
Over 100	3.00
Ringing circuit	24.00
Transient hotel—Message rates (subscribers furnish the wiring between the switchboard and stations in hotel rooms)—	
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, no additional charge.	
Trunk lines, both-way only, no additional charge.	
Stations, each—	
1 to 10	$6.00
11 to 20	5.40
21 to 35	4.80
36 to 50	4.20
51 to 100	3.60
Over 100	3.00
Local messages, no guaranty, each	0.02½

No. 2 private branch exchange:

Business and residence—Flat rates (in Missouri, subscribers furnish the interior wiring; in Kansas, the company furnishes the interior wiring, but an installation charge is made where excessive construction is necessary. Contracts are not accepted for less than 3 stations. The maximum equipment furnished consists of 10 lines)—	
Trunk lines, both-way only, each—	
Business	$60.00
Residence	36.00
Stations, with switching device, each—	
Business	15.00
Residence	12.00
Secrecy switch	3.00

Excess exchange-line mileage (charges are computed on air-line distances beyond the base rate area):

Individual line, per quarter-mile or fraction thereof	$6.00
Two-party line, per station, per quarter-mile or fraction thereof	4.20
Four-party line, per station, per quarter-mile or fraction thereof	2.40

Extension and tie-line mileage (charges are computed on the shortest established route between terminals), per quarter-mile or fraction thereof, $6.

Extra directory listings, business or residence, $3.

Joint-user service:

Business	$12.00
Residence	6.00

Moving charges:

Inside move—	
To another location in the same room	1.00
To another location in the same building	1.50
Outside move	2.50

LAKELAND, FLA.

NET ANNUAL EXCHANGE RATES OF THE PENINSULAR TELEPHONE CO. IN EFFECT JULY 23, 1914.

Individual and party-line flat-rate service:

	Individual line.	Individual line, joint-user.	Party line.	Party line joint-user.
Business	$30.00	$12.00	$27.00	$12.00
Residence	18.00	9.00	18.00	6.00

Extensions:
- Business station (desk or wall) $12.00
- Residence station (desk or wall) 12.00
- Bells (business or residence) 3.00
- Gongs (business or residence) 6.00

Directory service:
- Extra listing 3.00
- Additional line 3.00

LANCASTER, PA.

NET ANNUAL EXCHANGE RATES OF THE BELL TELEPHONE CO. OF PENNSYLVANIA IN EFFECT AUG. 20, 1914.

[The local service area includes Lancaster, Landisville, Lititz, Millersville, New Holland, and Strasburg.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Both-way auxiliary line.	Extension station.
Business	$48.00	$42.00	$24.00	$36.00	$6.00
Residence	30.00	24.00	18.00	.....	6.00

Message rates (business only).

Local messages per annum.	Individual line.	Additional local messages (cents).	Extension station.
600	$30.00	4	$6.00
800	36.00	4	.....
1,000	42.00	4	.....
1,200	48.00	4	.....

Additional messages $3 per 100, if contracted for in advance.

Rural line service:
- Business $24.00
- Residence 18.00

No. 1 or No. 2 private branch exchange service:

Business or residence—Flat rates—
- Switchboard and an operator's telephone, or receiving station and switching devices, with battery power $30.00
- First both-way trunk line, business 48.00
- Additional both-way trunk lines, business, each 36.00
- Trunk lines, both-way, residence, each 30.00
- Stations, main or extension, each 6.00

Ringing power.—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.

Business or residence—Message rates—
- Switchboard and an operator's telephone, or receiving station and switching devices, with battery power $24.00
- Trunk lines, both-way, each 24.00
- Stations, main or extension, each 6.00
- Local messages, guarantee 1,200, each 0.03
- Additional local messages, each 0.04
- If contracted for in advance, in lots of 100, each 0.03

Ringing power.—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.

Hotel—Message rates (contracts are not accepted for less than 20 stations, excluding operator's telephones)—
- Switchboard, cord only, with battery power, ringing circuit and an operator's telephone for each position $24.00
- Trunk lines, both-way only (for flat-rate trunk lines, see the following paragraphs) ..... No additional charge.
- Stations, main or extension, each (no additional charge is made for the stations and booth equipment, installed in public corridors for the use of the general public) 6.00

Local messages.—The subscriber, as the company's agent, charges patrons the regularly established public telephone rates for all local and toll messages and receives a commission on all charges for local and toll messages originating at the private branch exchange system.

LANCASTER, PA.—Continued.

No. 1 or No. 2 private branch exchange service—Continued.

Hotel message rates—With flat-rate trunk lines—

Flat-rate trunk lines may be connected with hotel message-rate private branch exchanges for use in connection with flat-rate business stations, which may be provided only for the use of officials and employees of the hotel. Under such an arrangement the flat-rate trunk lines terminate on special cords, the plugs of which do not fit the message-rate station jacks. Stations which are to have flat-rate service are equipped with two jacks to permit connections with either the flat-rate or message-rate trunk lines, and with any other private branch exchange station. Flat-rate trunk lines are not listed in directory.

Flat-rate trunk lines are charged for at the rates given under the standard schedules for business flat-rate private branch-exchange service. The charges for the switchboard and for those stations which are equipped for connection with the flat-rate trunk lines, are equal to the sum of the respective standard rates which regularly apply under the business flat-rate and hotel message-rate schedules.

Short-term service:

Individual and party lines—

Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than one year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rate.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rate.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for one month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Message rates.—When the number of messages under a message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.

Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in one year.

Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

LANCASTER, PA.—Continued.

Private branch exchanges:

Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.

Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.

Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.

Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals, or exceeds, the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in one year.

Excess exchange-line mileage (mileage charges are computed on air-line measurements, beyond the municipal limits of Lancaster, and beyond a radial distance of 1 mile from the central office):

Individual line, per quarter-mile or fraction thereof	$5.00
Two-party line, per subscriber, per quarter-mile or fraction thereof	3.00
Four-party line, per subscriber, per quarter-mile or fraction thereof	2.00

Extension and tie-line mileage (charges are computed on route measurement), per quarter-mile or fraction thereof, $5.

Extra directory listings, business or residence, $3.

Joint-user service, business flat rate, individual or party line, one-half regular rate.

Moving charges:

Individual or partyline, main or extension station or No. 1 private branch exchange station, during the first year or within one year from the last free move—

Inside move	$1.00
Outside move—	
Main station moved independently	3.00
Main station moved in conjunction with and to same address as switchboard	1.00
Extension station moved independently	3.00
Extension station moved in conjunction with and to same address as main station	1.00

Private branch exchange switchboards under annual contracts, during the first year or within one year from the last free move—

	Same room.	Another room.
Inside move—		
Cordless switchboard, 10 lines or less	$5.00	$8.00
Cord switchboard, 40 lines or less	10.00	18.00
Cord switchboard, over 40 lines	At cost.	At cost.
Outside move—		
Cordless switchboard, 10 lines or less		$10.00
Cord switchboard, 40 lines or less		18.00
Cord switchboard, over 40 lines		At cost.
Trunk line, tie line, or outside extension line (switchboard terminal)		2.00

No. 2 private branch exchanges, during the first or subsequent years, at cost.

LANSING, MICH.

NET ANNUAL EXCHANGE RATES OF THE CITIZENS TELEPHONE CO. IN EFFECT APR. 28, 1914.

[Exchange area includes Lansing and rural territory adjacent.]

Individual and party-line service (flat rates):

	Individual line.	2-party line.	4-party line.
Business	$33.00	$27.00	$24.00
Residence	22.00	18.00	16.00

Rural party line $18.00

Rural party line rates increase for distance beyond 4 miles or less than 8 on line.

LAWRENCE, MASS.

NET ANNUAL EXCHANGE RATES OF THE NEW ENGLAND TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 26, 1914.

[The local service area includes Lawrence, North Andover, parts of Methuen, Dracut, Andover, and Salem, N. H.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Extension station.
Business	$57.00			$30.00	$6.00
Residence	33.00	$27.00	$25.00		6.00

Message rates (business only).

Local messages per annum	720
Individual line	$36.00
Additional local messages:	
Up to a total of 6,000, each	0.03
Next 6,000, each	0.02¾
All others, each	0.02½
Extension station	6.00

LAWRENCE, MASS.—Continued.

Individual and party-line service—Continued.

Subscribers' coin-box rates.

	Guarantee.[1]	Minimum charge.	Local messages (cents.)	Extension station.
Business, 4-party	1½ local messages per day	$27.38	5	$6.00
Residence, 4-party	1 local message per day	18.25	5	6.00

[1] On annual basis.

No. 1 or No. 2 private branch exchanges:

Commercial, residence, hotel, and apartment house—Message rates (contracts are not accepted for periods of less than 3 years), No. 2 business systems are limited to a total of 10 lines—

Switchboard, with battery power, an operator's telephone or receiving station with switching devices and 2,500 local messages per annum	$75.00
Trunk lines, both-way only, each	21.00
Stations, each	6.00
Additional local messages—	
First 3,500, each (in hotels and apartment houses, all additional local messages are charged for at 3 cents each)	0.03
Next 6,000, each	0.02¾
All others, each	0.02½
Ringing circuit.—(Applies only within a radius of 1 mile, air-line distance, from a central office, for installations of 19 stations or less. No additional charge is made if subscribers, within 1 mile from the central office, contract for 20 stations or more. Beyond this distance a mileage charge is made of $5 per quarter-mile or fraction thereof)	18.00

Hotel—Message rates—Season service (contracts are not accepted for periods of less than 5 years nor for less than 50 stations and allow service for a period of 5 months in each year)—

Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position	No charge
Trunk lines, both-way only	No charge
Stations—	
First 50, each	$5.00
Over 50, each	4.00
Local messages, each	0.03

Department store—Message rates (contracts are not accepted for periods of less than 5 years, nor for less than 50 stations)—

Switchboard, with battery power, ringing circuit, and an operator's telephone	No charge.
Trunk lines, both-way only, each	$24.00
Stations, each	6.00
Local messages—	
First 6,000, each	0.03
Next 6,000, each	0.02¾
All others, each	0.02½

No. 2 private branch exchanges—residence—Flat rates (contracts are not accepted for a period of less than 3 years. Interior cable in excess of 500 feet and all outside cable between a subscriber's buildings on the same premises, is furnished at the subscriber's expense. The rate quoted for receiving stations includes switching devices for all stations):

Trunk lines, both-way, each	$33.00
Trunk lines, incoming, each	30.00
Receiving station, with switching devices	24.00
Stations, with or without switching device, each	6.00

Short-term service:

Emergency service (regular installation and removal charges apply as specified below under 3 months' service—

Flat-rate individual line or residence No. 2 private branch exchange trunk line—	
First day	$3.00
Each additional day	0.75
Message-rate trunk line and private branch exchange station (either or both)—	
First 3 days	$5.00
Each additional week (charge not to exceed annual rate)	1.00

Three-month periods—

Flat rates—	
Business—	
Individual line	$23.00
Residence—	
Individual line or No. 2 private branch exchange trunk line	19.00
Party line, per station	16.00
Message rates—	
Private branch exchange trunk line (no installation charge)	$12.00

Service continuing beyond the initial 3-months' period is charged for at a rate for each whole month equal to one-ninth the difference between the short-term rate and the annual rate for similar service, with a charge pro rata for fractional parts of a month.

The following charges are made in addition to the rates quoted above, for installation and removal of equipment furnished for short periods:

If instrument is on premises and inside wiring and drop wiring are in place	$2.00
If both inside wiring and drop wiring are in place, but it is necessary to furnish an instrument	3.00
If either inside wiring or drop wiring is in place, but not both, and instrument must be installed	4.00
If it is necessary to install inside wiring, drop wiring, and instrument	5.00

Excess exchange-line mileage (mileage is charged on the air-line distances, beyond 2 miles from the central office):

Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof	$2.50
Two-party line, per station, per quarter-mile or fraction thereof	1.00
Four-party line, per station, per quarter-mile or fraction thereof	0.50

Extension and tie-line mileage (charges are computed on route measurements):

Extension lines—	
First half-mile or fraction thereof	$10.00
Each additional quarter-mile or fraction thereof	5.00
Tie lines (between switchboards in the same exchange)—	
Switchboards contracted for by the same subscriber in separate buildings—	
First mile or fraction thereof	$35.00
Each additional quarter-mile or fraction thereof (when the switchboards are in the same building and only inside wiring is required, the minimum charge per line is $10), $8.75.	
Switchboards contracted for by different subscribers in separate buildings. (Not more than 3 private branch exchange switchboards of different subscribers will be connected together by means of tie lines)—	
First mile or fraction thereof	$60.00
Each additional quarter-mile or fraction thereof	15.00

LAWRENCE, MASS.—Continued.

Extra directory listings:
- Business or residence $3.00
- Names of tenants in hotels and apartment houses 5.00

Joint-user service:
- Flat rates—Individual line or private branch exchange, one-half of annual rate, not to exceed $50.
- Message rates—Individual line or private branch exchange, $5.

Moving charges:
- Individual or party-line stations or No. 1 private branch exchange stations—
  - Inside move—
    - 25 feet or less of inside wiring necessary $1.00
    - Over 25 feet of inside wiring necessary 2.00
  - Outside move—
    - Drop and inside wiring necessary and instrument to be placed 5.00
    - Drop or inside wiring (one only) necessary and instrument to be placed 4.00
    - No wiring necessary, but instrument to be placed 3.00
    - No wiring necessary and instrument in place 2.00
- When a main station, extension station, and other station equipment are moved at the same time, the work practically constituting one job, full charge is made for moving the main station, and one-half the schedule charges for moving the other apparatus.
- Moves of switchboards, entire No. 1 private branch exchange systems, or No. 2 private branch exchange stations are made at actual cost.
- At any time after the expiration of the initial contract period, the subscriber may extend his contract for another contract period in lieu of payment of the above charges.

LEXINGTON, KY.

NET ANNUAL EXCHANGE RATES OF THE FAYETTE HOME TELEPHONE CO. IN EFFECT DECEMBER, 1913.

Lexington Exchange, area confined within city limits:
- Business, individual line $57.00
- Business, 2-party line 42.00
- Business, extension 9.00
- Business, listed extra user 18.00
- Business, one-way 36.00
- Extra listing member of firm 3.00
- Residence, individual line 30.00
- Residence, 2-party line 24.00
- Residence, extension 6.00
- Residence, listed extra user 9.00
- Residence, extra listing member of same family 3.00
- All extension bells 3.00

Fayette County, outside of city limits, per month:
- Individual line, residence, $2.75 plus 83 cents a mile, not to exceed $4.75 net.
- Two-party line, residence, $2.25 plus 42 cents a mile, not to exceed $3.50 net.
- Four-party line, residence, anywhere in county, net $2.50.
- Eight-party line, residence, anywhere in county, net $2.
- Individual line, business, $5 plus 83 cents a mile, not to exceed $6.25 net.
- Two-party line, business, $3.75 plus 42 cents a mile, not to exceed $5 net.
- Four-party line, business, anywhere in county, $4 net.
- Eight-party line, business, anywhere in county, $3.50 net.
- Outside of county, special rate on application.

Athens Exchange, area within 1½ miles:
- Business, individual line $33.00
- Business, 2-party line 24.00
- Residence, individual line 21.00
- Residence, 2-party line 18.00
- (For additional rates, see Lexington.)

Rural service, outside of exchange area, per month:
- Individual line, residence, $2.83, $3.46, $4.29, $5 gross, not to exceed $4.75 net.
- Two-party line, residence, $2.42, $2.84, $3.76, $3.68 gross, not to exceed $3.50 net.
- Four-party line, residence, $2.21, $2.42, $2.63, $2.75 gross, not to exceed $2.50 net.
- Individual line, business, $3.83, $4.46, $5.29, $6.12 gross, not to exceed $6.25 net.
- Two-party line, business, $3.17, $3.59, $4.01, $4.43 gross, not to exceed $5 net.
- Four-party line, business, $2.96, $3.17, $3.38, $3.59 gross, not to exceed $4 net.

LILY LAKE, ILL.

NET ANNUAL EXCHANGE RATES OF THE INTERSTATE INDEPENDENT TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1914.

Individual and rural line service.

	Individual line.	Rural party line.	Extension station.
Business	$24.00	$24.00	$12.00
Residence	18.00	18.00	6.00

LINCOLN, NEBR.

NET ANNUAL EXCHANGE RATES OF THE LINCOLN TELEPHONE & TELEGRAPH CO. IN EFFECT JULY 1, 1913.

[Exchange area confined to city limits. Additional charge outside of exchange area, where there is an existing pole line, for each one-fourth mile or fraction thereof, 1-party $5, 2-party $3.]

Individual and party-line service:

	Individual line.	2-party line.	Extension set.	Farm line.
Business	$72.00	$54.00	$12.00	$30.00
Residence	27.00	21.00	6.00	24.00

Extra service:
- Two parties using same station (business) $12.00
- Residence apartments, boarding houses, etc 3.00
- Extension bells 3.00
- Individual line, business, incoming calls only 48.00

LINDSTROM, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

- Business station, individual line $24.00
- Residence station, individual line 18.00
- Residence with business 12.00
- Extension set 6.00
- Business, summer season 15.00
- Residence, summer season 10.00
- Rural station ..... 15.00 and 12.00

LITCHFIELD, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE AND TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

- Business station, individual line $18.00
- Residence station, individual line 12.00
- Extension station 6.00
- Rural station 12.00
- Rural connecting companies $3 per year per station; per month, flat rate, $5.

LITTLE ROCK, ARK.

NET ANNUAL EXCHANGE RATES OF THE SOUTHWESTERN TELEGRAPH & TELEPHONE CO. (NEW YORK) IN EFFECT AUG. 22, 1914.

[The local service area includes Little Rock, Argenta, and Pulaski Heights.]

Individual and party-line service (flat rates):

	Individual line.	Extension station.
Business	$60.00	$12.00
Residence	27.00	6.00

No. 1 private branch exchanges:
- Commercial and department store—Flat-rate contracts are not accepted for less than 2 trunk lines and 4 stations, excluding operator's telephones—
  - Switchboard, cord or cordless, with battery power and an operator's telephone for each position $24.00
  - Trunk lines, both-way only, each 60.00
  - Stations—
    - First 20—
      - Main stations, each 24.00
      - Extension stations, each 12.00
    - All others 6.00
  - Ringing circuit 24.00
- Hotel and apartment house—Message rates—
  - Switchboard, cord or cordless, with battery power, ringing circuit and an operator's telephone for each position ..... No additional charge.
  - Trunk lines, both-way only ..... No additional charge.
  - Stations, each—
    - Where subscriber pays cost of inside wiring $3.00
    - Where company pays cost of inside wiring 6.00
  - Local messages, each 0.02½

No. 2 private branch exchanges and No. 1 residence systems:
- Business and residence—Flat rates (subscribers furnish the cabling, including cable terminals)—
  - Trunk lines, both-way only, each—
    - Business $60.00
    - Residence 27.00
  - Stations, with switching device, each—
    - Business 24.00
    - Residence 18.00
  - Stations, for intercommunicating purposes only, each—
    - Business 12.00
    - Residence 12.00
  - Secrecy switches, each 3.00

Excess exchange line mileage (charges are computed on air-line distances beyond 4 miles from the central office):
- Individual line, per quarter-mile or fraction thereof—
  - Business $6.00
  - Residence 3.00

Extension and tie-line mileage:
- Extension line mileage, per quarter-mile or fraction thereof, air-line distance—
  - Business $6.00
  - Residence 3.00
- Tie-line mileage, per quarter-mile or fraction thereof, air-line distance 7.50

Extra directory listings, business or residence, each 4.00

Extra directory listings, business or residence, each 4.00

Joint-user service:
- Business 12.00
- Residence 6.00

LOCKPORT, ILL.

NET ANNUAL EXCHANGE RATES OF THE INTERSTATE INDEPENDENT TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1914.

Individual line service:

	Individual line.	Extension station.
Business	$30.00–$24.00	$7.56
Residence	$18.00– 12.00	6.00

Employees' station $9.00

LOCKPORT, N. Y.

NET ANNUAL EXCHANGE RATES OF THE NIAGARA COUNTY HOME TELEPHONE CO. IN EFFECT MAY 1, 1913.

Individual and party-line service:

	Individual line.	Party line.
Business	$36.00	$24.00
Residence	24.00	15.00

Extensions:
- Wall or desk set connected only to exclusive line in same building $10.00
- Extension bell connected in same building with instrument 2.00

Miscellaneous service:
- Extra listing in company's official directory 2.00
- Rural or multiparty service, wall-set instrument only, may be non-selective 12.00

LOS ANGELES, CAL.

NET ANNUAL EXCHANGE RATES OF THE HOME TELEPHONE & TELEGRAPH CO. IN EFFECT DEC. 31, 1913.

Individual and party-line—unlimited service:

	Individual line.		2-party line.		4-party line.		Extension station.
	Desk.	Wall.	Desk.	Wall.	Desk.	Wall.	
Business	$69.00	$63.00	$51.00	$45.00	$42.00	$36.00	$12.00
Residence	30.00	27.00	27.00	24.00			12.00
Apartment house (10 or more)	27.00	24.00	21.00	18.00			
Sending line, business	66.00	60.00					
Receiving line, business	42.00	36.00					

Individual and party line—limited service:

	Individual line.[1]		2-party line.[2]	
	Desk.	Wall.	Desk.	Wall.
Business	$66.00	$60.00	$54.00	$48.00
Residence	27.00	24.00		

[1] 1,200 calls, 2 cents additional. [2] 720 calls, 3 cents additional.

Intercommunicating systems—unlimited service:

	First trunk.	Second trunk.	Station.
Business	$96.00	$72.00	$15.00
Residence	48.00		9.00

Apartment house (10 or more), per station: Desk, $24; wall, $21.

Intercommunicating systems—limited service, 1,200 calls (additional calls, 2 cents each):
- Each 2-way trunk, business only $48.00
- Stations 12.00

Private branch exchanges—unlimited service:

Commercial—
- Switchboards with station 12.00
- Trunk, first 96.00
- Trunk, each additional 72.00
- Trunk, sending 60.00
- Trunk, receiving 36.00
- Stations 12.00
- Extension stations 12.00

Hotel, apartment, and lodging house—
- Switchboards with station 12.00
- Trunk, first 60:00
- Trunk, each additional 48.00
- Trunk, sending 60.00
- Trunk, receiving 36.00
- Stations 4.20
- Stations, outside rooms 12.00
- Extension stations 12.00

Private branch exchanges—limited service:

Commercial—1,200 calls (additional calls, 2 cents each)—
- Switchboard with station 12.00
- Trunk, first 48.00
- Trunk, each additional 48.00
- Stations 9.00

Hotel, apartment, and lodging house—1,200 calls (additional calls, 2½ cents each)—
- Switchboards with station $12.00
- Trunk, first 48.00
- Trunk, each additional 48.00
- Stations 4.20

LOS ANGELES, CAL.

NET ANNUAL EXCHANGE RATES OF THE PACIFIC TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1912.

[The local service area includes Los Angeles and Glendale.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Outgoing auxiliary line.	Incoming auxiliary line.	Extension station.
Business:						
Wall set	$60.00	$48.00	$36.00	$60.00	$36.00	$12.00
Desk set	66.00	48.00	42.00	66.00	42.00	12.00
Residence:						
Wall set	36.00	27.00	18.00			12.00
Desk set	36.00	27.00	24.00			12.00

Message rates (on monthly guarantee basis).

Local messages per annum.	Individual line.		Additional local messages (cents).	Extension station.
	Wall set.	Desk set.		
Business:				
720	$48.00	$54.00	3	$9.00
1,200	60.00	66.00	2	9.00
Residence:				
600	24.00	27.00	2	9.00

Subscribers' coin-box rates.

	Guarantee (on monthly basis).	Minimum charge.	Local messages (cents).	Extension station.
Business only, 1-party	3 local messages per day	[1] $54.75	[2] 5	$12.00

[1] Additional charge of $6 per year for desk set.
[2] Refund of 2 cents per message allowed on local-message charges in excess of guarantee.

Individual and party-line short-term service:

Flat rates—
- Three months' contracts, double regular rate for period of service.
- Three to six months' contracts, regular rate for period of service plus 50 per cent.
- Six to nine months' contracts, regular rate for period of service plus 25 per cent.

Message rates (regular contract rate for period of service plus one month's rental at the minimum messsge rate for same class of service).

Rural-line service—suburban service:
- Business $36.00
- Residence 30.00

The company builds circuits up to 5 miles from the central office provided there is an average of two or more stations per mile of circuit; beyond 5 miles the subscribers pay part or all of the construction cost.

No. 1 private branch exchanges:

Commercial and department store—Flat rates (an installation charge is made if the contract period is less than 3 years. Contracts are not accepted for less than 2 trunk lines and 4 stations, excluding operators' telephones)—
- Switchboard, cord or cordless, with battery power, and an operator's telephone for each position, per position $12.00
- First trunk line, both-way 96.00
- Additional trunk lines, both-way, each 72.00
- Trunk lines, incoming, each 36.00
- Trunk lines, outgoing, each 60.00
- Stations, each 12.00
- Ringing circuit 21.00

Hotel and apartment house—Flat rates (contracts are not accepted for a period of less than 3 years, nor for less than 2 trunk lines. Subscribers are required to contract for an additional trunk line for each 25 stations or fraction thereof connected in excess of 50)—
- Switchboard, cord only, with battery power and an operator's telephone for each position, per position $12.00
- First trunk line, both-way 60.00
- Additional trunk lines, both-way, each 48.00
- Stations, not in guest rooms, each 12.00
- Stations, in guest rooms, each 4.20
- Ringing circuit 21.00

Commercial and department store—Message rates (an installation charge is made if the contract period is less than 3 years. Contracts are not accepted for less than 2 trunk lines and 4 stations, excluding operators' telephones)—
- Switchboard, cord only, with battery power, and an operator's telephone for each position, per position $12.00
- Trunk lines, both-way only, including 1,200 local messages per annum (on a monthly basis), each 48.00
- Stations, each 9.00
- Additional local messages, each 0.02
- Ringing circuit 21.00

LOS ANGELES, CAL.—Continued.

No. 1 private branch exchanges—Continued.
Hotel and apartment house—Message rates (contracts are accepted for a period of not less than 3 years)—
Switchboard, cord only, with battery power and an operator's telephone for each position $12.00
Trunk lines, both-way only, including 1,200 local messages per annum (on a monthly basis), each 48.00
Stations, not in guest rooms, each 12.00
Stations, in guest rooms, each 3.00
Local messages, each 0.02
Ringing circuit 21.00

No. 2 private branch exchanges—business—Flat rates (under 3-year contracts an installation charge is made to cover the cost of cable in excess of 300 feet. Under 1-year contracts an installation charge is made to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 2 trunk lines and 4 stations:
First trunk line, both-way $96.00
Additional trunk lines, both-way, each 72.00
Trunk lines, incoming, each 36.00
Trunk lines, outgoing, each 60.00
Stations, with switching device, each—
Equipped for 10 lines 15.00
Equipped for 20 lines 18.00
Equipped for 30 lines 21.00

No. 1 residence systems—Flat rates (an installation charge is made to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 3 stations):
Receiving station, with switching device, battery power, ringing circuit, and one both-way trunk line—
Equipped for 10 lines $48.00
Equipped for 20 lines 51.00
Equipped for 30 lines 54.00
Additional trunk lines, both-way only, each 24.00
Stations, with switching device, each—
Equipped for 10 lines 9.00
Equipped for 20 lines 12.00
Equipped for 30 lines 15.00

No. 2 private branch exchanges—business—Message rates (under 3-year contracts an installation charge is made to cover the cost of cable in excess of 300 feet. Under 1-year contracts an installation charge is made to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 2 trunk lines and 4 stations):
Trunk lines, both-way only, including 1,200 local messages per annum (on a monthly basis), each $48.00
Stations, with switching device, each—
Equipped for 10 lines 12.00
Equipped for 20 lines 15.00
Equipped for 30 lines 18.00
Additional local messages, each 0.02

Excess exchange-line mileage, mileage charges are computed on route measurements beyond the base-rate area:
Individual line, per quarter-mile or fraction thereof $6.00
2-party line, per station, per quarter-mile or fraction thereof 4.20
4-party line, per station, per quarter-mile or fraction thereof 3.00

Extension-line mileage, mileage charges are based on route measurements, extension line, per quarter-mile or fraction thereof, $6.

Extra directory listings:
Business or residence, each $3.00
Hotels, names of guests, each 6.00

Joint-user service:
Flat rates, business only 18.00
Message rates or subscribers' coin-box rates 3.00

Moving charges: No charge is made for moving station equipment in case the initial contract period has expired, provided the subscriber signs a new contract.
Except as noted, the following charges apply for moving a station to another location—
In the same room $1.00
In the same building 2.00
In another building 3.50

LOUISVILLE, KY.

NET ANNUAL EXCHANGE RATES OF THE CUMBERLAND TELEPHONE AND TELEGRAPH CO. IN EFFECT AUG. 17, 1914.

[The local service area includes Anchorage, Harrods Creek, Jeffersontown, Louisville, Pewee Valley, Pleasure Ridge Park, and St. Matthews, in Kentucky; and Jeffersonville and New Albany, in Indiana.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Extension station.
Business	$72.00	$51.00	[1] $51.00	$42.00	$12.00
Residence	36.00	24.00	[1] 24.00	.....	12.00

[1] Available only beyond the limits of the base-rate area, with mileage charges.

Message rates (on monthly guarantee basis).

Local messages per annum.	Individual line.	Additional local messages (cents).	Extension station.
Business—1,200	$48.00	3	$12.00
Residence—996	30.00	3	12.00

LOUISVILLE, KY.—Continued.

Individual and party-line service—Continued.

Subscribers' coin-box rates.

	Guarantee.	Minimum charge.	Local messages (cents).	Extension station.
Business only, 1-party	3 local messages per day	$54.00	[1] 5	$12.00

[1] Refund of 2½ cents per message allowed on local message charges in excess of guarantee.

Short-term service (short-term service and season service are furnished at 37 per cent of the annual rate for the class of service desired for the first three months or fraction thereof, plus 7 per cent of the annual rate for the class of service desired, for each month in excess of the first 3 months. For very short periods, as during illness, and in other cases where this rate would be excessive, approval is given to accept cancellations upon payment of regular charges for the period of service, minimum one month, plus a percentage of the installation and disconnection costs, determined by the ratio of the unexpired portion of the contract period to the full contract period, plus an estimated depreciation on equipment and material).

Private branch exchange service:
No. 1 private branch exchanges (contracts are for periods of 3 years; the minimum installation includes 2 trunk lines)—
Commercial, department store, and residence—Flat rates—
Switchboard, with battery power, and 1 operator's telephone for each position—
Equipped for 25 lines or less $30.00
Additional equipment, for each 25 lines, or fraction thereof, added 30.00
Trunk lines, both-way only, each—
Business 90.00
Residence 48.00
Stations, main or extension, each 12.00
Ringing circuit 30.00

Commercial and department store—Message rates—
Switchboard, with battery power, ringing circuit and 1 operator's telephone for each position—
Equipped for 20 lines or less $36.00
Equipped for 21 lines or more 72.00
Trunk lines, both-way only, with 83 local messages per month, each 60.00
Stations, main or extension, each 12.00
Additional local messages, each 0.02

Hotel and apartment house—Message rates—
Switchboard, cord or cordless, with 1 operator's telephone, 30 per cent of the cost, installed.
Trunk lines, both-way or incoming, each (the average number of originating local messages per month for each trunk line in service must be 200 or more before an additional trunk line will be furnished) $36.00
Stations, main or extension, each—
When company installs and maintains inside wiring 6.00
When subscriber installs and maintains inside wiring 4.00
Local messages.—One local message per month is allowed, without additional charge, for each 3 cents charged per month for trunk lines. No message allowance is included in charges for switchboard, stations, battery power, or ringing circuit. Additional local messages, each, 3 cents.
Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 12 cents per annum for each station, including operators' telephones. The maximum charge is 50 cents per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 120,000.
Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.

No. 2 private branch exchanges—
Business or residence—Flat rates (contracts are for periods of either 1 or 3 years. Under 1-year contracts subscribers pay the actual cost of cabling, including the cost of labor and material. Under 3-year contracts subscribers pay the actual cost of cabling in excess of 50 feet for any station, including the cost of labor and material. The maximum equipment furnished is that for 10 lines—

	1-year contract.	3-year contract.
Trunk lines, both-way, each:		
Business	$108.00	$108.00
Residence	54.00	54.00
Trunk lines, incoming, each:		
Business	54.00	54.00
Residence	27.00	27.00
Receiving station, with switching device	18.00	24.00
Stations, main or extension, with switching device, each	12.00	15.00
Battery power and ringing circuit	15.00	15.00

Excess exchange line mileage (mileage charges are computed on route measurements outside the city limits and beyond 2 miles from a central office on business service, and beyond 3 miles from a central office on residence service):
Business or residence, per mile or fraction thereof—
Individual line or 2-party line, per station $6.00
Four-party line, per station 3.00

Extension-line mileage, per quarter-mile or fraction thereof, $7.50.
Extra directory listings, business or residence, $3.
Joint-user service, business only, $12.
Moving charges:
Individual line—
Moving within the same room $1.00
Moving within the same building 2.00
Moving to another building 3.00
Private branch exchange, actual cost.

LOUISVILLE, KY.

NET ANNUAL EXCHANGE RATES OF THE LOUISVILLE HOME TELEPHONE CO. IN EFFECT MAY 5, 1914.

Individual and party-line service (unlimited local service):

Business, individual line	$48.00
Business, extension station	12.00
Residence, individual line (service within 1 mile of courthouse)	24.00
Residence, individual line (1 mile but less than 2 miles of courthouse)	30.00
Residence, individual line (2 miles of courthouse and within city limits)	36.00
Residence, 2-party line	24.00
Residence, extension stations	9.00

LOWELL, MASS.

NET ANNUAL EXCHANGE RATES OF THE NEW ENGLAND TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 26, 1914.

[The local service area includes Lowell, Chelmsford, parts of Tewksbury, Dracut, Billerica and Tyngsboro.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Extension station.
Business	$57.00			$30.00	$6.00
Residence	33.00	$27.00	$25.00		6.00

Message rates (business only).

Local messages per annum	720
Individual line	$36.00
Additional local messages:	
Up to a total of 6,000, each	0.03
Next 6,000, each	0.02¾
All others, each	0.02½
Extension station	6.00

Subscribers' coin-box rates.

	Guarantee.[1]	Minimum charge.	Local messages (cents).	Extension station.
Business, 4-party	1½ local messages per day.	$27.38	5	$6.00
Residence, 4-party	1 local message per day.	18.25	5	6.00

[1] On annual basis.

No. 1 or No. 2 private branch exchanges:
- Commercial, residence, hotel, and apartment house—Message rates (contracts are not accepted for periods of less than 3 years. No. 2 business systems are limited to a total of 10 lines)—
  - Switchboard, with battery power, an operator's telephone or receiving station with switching devices and 2,500 local messages per annum ... $75.00
  - Trunk lines, both-way only, each ... 21.00
  - Stations, each ... 6.00
  - Additional local messages—
    - First 3,500, each (in hotels and apartment houses all additional local messages are charged for at 3 cents each) ... 0.03
    - Next 6,000, each ... 0.02¾
    - All others, each ... 0.02½
  - Ringing circuit (applies only within a radius of 1 mile, air-line distance, from a central office, for installations of 19 stations or less. No additional charge is made if subscribers, within 1 mile from the central office, contract for 20 stations or more. Beyond this distance a mileage charge is made of $5 per quarter-mile or fraction thereof) ... 18.00
- Hotel—Message rates—Season service (contracts are not accepted for periods of less than 5 years nor for less than 50 stations and allow service for a period of 5 months in each year)—
  - Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, no charge.
  - Trunk lines, both-way only, no charge.
  - Stations—
    - First 50, each ... $5.00
    - Over 50, each ... 4.00
  - Local messages, each ... 0.03
- Department store—Message rates (contracts are not accepted for periods of less than 5 years, nor for less than 50 stations)—
  - Switchboard, with battery power, ringing circuit, and an operator's telephone, no charge.
  - Trunk lines, both-way only, each ... $24.00
  - Stations, each ... 6.00
  - Local messages—
    - First 6,000, each ... 0.03
    - Next 6,000, each ... 0.02¾
    - All others, each ... 0.02½
- No. 2 private branch exchanges—Residence—Flat rates (contracts are not accepted for a period of less than 3 years. Interior cable in excess of 500 feet and all outside cable between a subscriber's buildings on the same premises is furnished at the subscriber's expense. The rate quoted for receiving stations includes switching devices for all stations):
  - Trunk lines, both-way, each ... $33.00
  - Trunk lines, incoming, each ... 30.00
  - Receiving station, with switching devices ... 24.00
  - Stations, with or without switching device, each ... 6.00

LOWELL, MASS.—Continued.

Short-term service:
- Emergency service (regular installation and removal charges apply as specified below under 3-month service)—
  - Flat rate individual line or residence No. 2 private branch exchange trunk line—
    - First day ... $3.00
    - Each additional day ... 0.75
  - Message rate trunk line and private branch exchange station (either or both)—
    - First 3 days ... $5.00
    - Each additional week (charge not to exceed annual rate) ... 1.00
- Three-month period—
  - Flat rates—
    - Business—
      - Individual line ... 23.00
    - Residence—
      - Individual line or No. 2 private branch exchange trunk line ... 19.00
      - Party line, per station ... 16.00
  - Message rates—
    - Private branch exchange trunk line (no installation charge) ... 12.00
  - Service continuing beyond the initial 3-month period is charged for at a rate for each whole month equal to one-ninth the difference between the short-term rate and the annual rate for similar service, with a charge pro rata for fractional parts of a month.
  - The following charges are made in addition to the rates quoted above for installation and removal of equipment furnished for short periods—
    - If instrument is on premises and inside wiring and drop wiring are in place ... $2.00
    - If both inside wiring and drop wiring are in place, but it is necessary to furnish an instrument ... 3.00
    - If either inside wiring or drop wire is in place (but not both) an instrument must be installed ... 4.00
    - If it is necessary to install inside wiring, drop wiring, and instrument ... 5.00

Excess exchange-line mileage (mileage is charged on the air-line distances, beyond 2 miles from the central office):
- Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof ... $2.50
- Two-party line, per station, per quarter-mile or fraction thereof ... 1.00
- Four-party line, per station, per quarter-mile or fraction thereof ... 0.50

Extension and tie-line mileage (charges are computed on route measurements:
- Extension lines—
  - First half mile or fraction thereof ... $10.00
  - Each additional quarter-mile or fraction thereof ... 5.00
- Tie lines (between switchboards in the same exchange)—
  - Switchboards contracted for by the same subscriber in separate buildings—
    - First mile or fraction thereof ... 35.00
    - Each additional quarter-mile or fraction thereof (when the switchboards are in the same building and only inside wiring is required the minimum charge per line is $10) ... 8.75
  - Switchboards contracted for by different subscribers in separate buildings (not more than 3 private branch exchange switchboards of different subscribers will be connected together by means of tie lines)—
    - First mile or fraction thereof ... $60.00
    - Each additional quarter-mile or fraction thereof ... 15.00

Extra directory listings:
- Business or residence ... 3.00
- Names of tenants in hotels and apartment houses ... 5.00

Joint-user service:
- Flat rates—individual line or private branch exchange, one-half of annual rate, not to exceed $50.
- Message rates—individual line or private branch exchange, $5.

Moving charges—(individual or party-line stations or No. 1 private branch exchange stations):
- Inside move—
  - 25 feet or less of inside wiring necessary ... $1.00
  - Over 25 feet of inside wiring necessary ... 2.00
- Outside move—
  - Drop and inside wiring necessary and instrument to be placed ... 5.00
  - Drop or inside wiring (one only) necessary and instrument to be placed ... 4.00
  - No wiring necessary, but instrument to be placed ... 3.00
  - No wiring necessary and instrument in place ... 2.00

When a main station, extension station, and other station equipment are moved at the same time, the work practically constituting one job, full charge is made for moving the main station, and one-half the scheduled charges for moving the other apparatus.

Moves of switchboards, entire No. 1 private branch exchange systems or No. 2 private branch exchange stations are made at actual cost.

At any time after the expiration of the initial contract period, the subscriber may extend his contract for another contract period in lieu of payment of the above charges.

LYNN, MASS.

NET ANNUAL EXCHANGE RATES OF THE NEW ENGLAND TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 26, 1914.

[The local service area includes Lynn, Swampscott, Saugus, Nahant, and parts of Lynnfield, Peabody, and Revere.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Extension station.
Business	$57.00			$30.00	$6.00
Residence	33.00	$27.00	$25.00		6.00

Message rates (business only).

Local messages per annum	720
Individual line	$36.00
Additional local messages:	
Up to a total of 6,000, each	0.03
Next 6,000, each	0.02¾
All others, each	0.02½
Extension station	6.00

LYNN, MASS.—Continued.

Individual and party-line service—Continued.

Subscribers' coin-box rates.

	Guaranty.[1]	Minimum charge.	Local messages (cents).	Extension station.
Business, 4-party	1½ local messages per day	$27.38	5	$6.00
Residence, 4-party	1 local message per day	18.25	5	6.00

[1] On annual basis.

No. 1 or No. 2 private branch exchanges:
Commercial, residence, hotel, and apartment house—Message rates (contracts are not accepted for periods of less than 3 years. No. 2 business systems are limited to a total of 10 lines)—
Switchboard, with battery power, an operator's telephone or receiving station with switching devices and 2,500 local messages per annum.. $75.00
Trunk lines, both-way only, each..... 21.00
Stations, each..... 6.00
Additional local messages—
First 3,500, each (in hotels and apartment houses all additional local messages are charged for at 3 cents each)..... 0.03
Next 6,000, each..... 0.02¾
All others, each..... 0.02½
Ringing circuit (applies only within a radius of 1 mile, air-line distance, from a central office, for installation of 19 stations or less. No additional charge is made if subscribers, within 1 mile from the central office, contract for 20 stations or more. Beyond this distance a mileage charge is made of $5 per quarter-mile or fraction thereof)..... 18.00
Hotels—Message rates—Season service (contracts are not accepted for periods of less than 5 years nor for less than 50 stations and allow service for a period of 5 months in each year)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, no charge.
Trunk lines, both-way only, no charge.
Stations—
First 50, each..... $5.00
Over 50, each..... 4.00
Local messages, each..... 0.03
Department store—Message rates (contracts are not accepted for periods of less than 5 years, nor for less than 50 stations)—
Switchboard, with battery power, ringing circuit, and an operator's telephone, no charge.
Trunk lines, both-way only, each..... $24.00
Stations, each..... 6.00
Local messages—
First 6,000, each..... 0.03
Next 6,000, each..... 0.02¾
All others, each..... 0.02½
No. 2 private branch exchanges—Residence—Flat rates (contracts are not accepted for a period of less than 3 years. Interior cable in excess of 500 feet and all outside cable between a subscriber's buildings on the same premises, is furnished at the subscriber's expense. The rate quoted for receiving stations includes switching devices for all stations):
Trunk lines, both-way, each..... $33.00
Trunk lines, incoming, each..... 30.00
Receiving station, with switching devices..... 24.00
Stations, with or without switching device, each..... 6.00
Short-term service:
Emergency service (regular installation and removal charges apply as specified below under 3 months' service)—
Flat-rate individual line or residence No. 2 private branch exchange trunk line—
First day..... $3.00
Each additional day..... 0.75
Message-rate trunk line and private branch exchange station (either or both)—
First three days..... $5.00
Each additional week (charge not to exceed annual rate)..... 1.00
Three-month periods—
Flat rates—
Business—Individual line..... 23.00
Residence—
Individual line or No. 2 private branch exchange trunk line..... 19.00
Party line, per station..... 16.00
Message rates—Private branch exchange trunk line (no installation charge)..... 12.00
Service continuing beyond the initial 3 months' period is charged for at a rate for each whole month equal to one-ninth the difference between the short-term rate and the annual rate for similar service, with a charge pro rata for fractional parts of a month.
The following charges are made in addition to the rates quoted above, for installation and removal of equipment furnished for short periods—
If instrument is on premises and inside wiring and drop wiring are in place..... $2.00
If both inside wiring and drop wiring are in place, but it is necessary to furnish an instrument..... 3.00
If either inside wiring or drop wiring is in place (but not both) and instrument must be installed..... 4.00
If it is necessary to install inside wiring, drop wiring, and instrument.. 5.00
Excess exchange-line mileage (mileage is charged on the air-line distances, beyond 2 miles from the central office):
Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof..... $2.50
Two-party line, per station, per quarter-mile or fraction thereof..... 1.00
Four-party line, per station, per quarter-mile or fraction thereof..... 0.50
Extension and tie-line mileage (charges are computed on route measurements):
Extension lines—
First half-mile or fraction thereof..... $10.00
Each additional quarter-mile or fraction thereof..... 5.00
Tie lines (between switchboards in the same exchange)—
Switchboards contracted for by the same subscriber in separate buildings—
First mile or fraction thereof..... $35.00
Each additional quarter-mile or fraction thereof (when the switchboards are in the same building and only inside wiring is required, the minimum charge per line is $10)..... 8.75
Switchboards contracted for by different subscribers in separate buildings (not more than 3 private branch exchange switchboards of different subscribers will be connected together by means of tie lines)—
First mile or fraction thereof..... $60.00
Each additional quarter-mile or fraction thereof..... 15.00

LYNN, MASS.—Continued.

Extra directory listings:
Business or residence..... $3.00
Names of tenants in hotels and apartment houses..... 5.00
Joint-user service:
Flat rates—Individual line or private-branch exchange, one-half of annual rate, not to exceed $50.
Message rates—Individual line or private branch exchange, $5.
Moving charges (individual or party line stations or No. 1 private branch exchange stations):
Inside move—
25 feet or less of inside wiring necessary..... $1.00
Over 25 feet of inside wiring necessary..... 2.00
Outside move—
Drop and inside wiring necessary and instrument to be placed..... 5.00
Drop or inside wiring (one only) necessary and instrument to be placed 4.00
No wiring necessary but instrument to be placed..... 3.00
No wiring necessary and instrument in place..... 2.00
When a main station, extension station and other station equipment are moved at the same time, the work practically constituting one job, full charge is made for moving the main station, and one-half the scheduled charges for moving the other apparatus.
Moves of switchboards, entire No. 1 private branch exchange systems or No. 2 private branch exchange stations are made at actual cost.
At any time after the expiration of the initial contract period, the subscriber may extend his contract for another contract period in lieu of payment of the above charges.

MANCHESTER, ILL.

NET ANNUAL EXCHANGE RATES OF THE ILLINOIS TELEPHONE CO. IN EFFECT DEC. 31, 1914.

Business..... $24.00
Business with extension on same line in same building..... 36.00
Residence..... 12.00
Residence with extension on same line in same building..... 18.00

MANCHESTER, N. H.

NET ANNUAL EXCHANGE RATES OF THE NEW ENGLAND TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 26, 1914.

[The local service area to subscribers under this schedule includes Manchester and parts of Auburn, Bedford, Goffstown, Hooksett, and Londonderry.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Extension station.
Business	$51.00	$42.00		$27.00	$6.00
Residence	30.00	24.00	$21.00		6.00

Message rates (business and residence).

Local messages per annum..... 825
Individual line..... $33.00
Additional local messages:
Up to a total of 6,000, each..... 0.03
Next 6,000, each..... 0.02¾
All others, each..... 0.02½
Inward auxiliary line..... 27.00
Extension station..... 6.00
No. 1 or No. 2 private branch exchanges:
Commercial, residence, hotel, and apartment house—Message rates (contracts are not accepted for periods of less than 3 years. No. 2 business systems are limited to a total of 10 lines)—
Switchboard, with battery power, an operator's telephone or receiving station with switching devices and 2,500 local messages per annum.. $75.00
Trunk lines, both-way only, each..... 21.00
Stations, each..... 6.00
Additional local messages—
First 3,500, each (in hotels and apartment houses all additional local messages are charged for at 3 cents each)..... 0.03
Next 6,000, each..... 0.02¾
All others, each..... 0.02½
Ringing circuit (applies only within a radius of 1 mile, air-line distance from a central office for installations of 19 stations or less. No additional charge is made if subscribers, within 1 mile from the central office, contract for 20 stations or more. Beyond this distance a mileage charge is made of $5 per quarter-mile or fraction thereof)..... 18.00
Hotel—Message rates—Season service (contracts are not accepted for periods of less than 5 years nor for less than 50 stations and allow service for a period of 5 months in each year)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, no charge.
Trunk lines, both-way only, no charge.
Stations—
First 50, each..... $5.00
Over 50, each..... 4.00
Local messages, each..... 0.03
Department store—Message rates (contracts are not accepted for periods of less than 5 years, nor for less than 50 stations)—
Switchboard, with battery power, ringing circuit, and an operator's telephone, no charge.
Trunk lines, both-way only, each..... $24.00
Stations, each..... 6.00
Local messages—
First 6,000, each..... 0.03
Next 6,000, each..... 0.02¾
All others, each..... 0.02½
No. 2 private branch exchanges—Residence—Flat rates (contracts are not accepted for a period of less than 3 years. Interior cable in excess of 500 feet and all outside cable between a subscriber's buildings on the same premises is furnished at the subscriber's expense. The rate quoted for receiving stations includes switching devices for all stations):
Trunk lines, both-way, each..... $30.00
Trunk lines, incoming, each..... 27.00
Receiving station, with switching devices..... 24.00
Stations, with or without switching device, each..... 6.00

MANCHESTER, N. H.—Continued.

Short-term service:
- Emergency service (regular installation and removal charges apply as specified below under 3 months' service)—
  - Flat rate individual line or residence No. 2 private branch exchange trunk line—
    - First day $3.00
    - Each additional day 0.75
  - Message-rate trunk line and private branch exchange station (either or both)—
    - First 3 days $5.00
    - Each additional week (charge not to exceed annual rate) 1.00
- Three-month periods—
  - Flat rates—
    - Business—
      - Individual line $21.00
      - Party line, per station 18.00
      - Inward auxiliary line 18.00
    - Residence—
      - Individual line or No. 2 private branch exchange trunk line 18.00
      - Party line, per station 15.00
  - Message rates—
    - Private branch exchange trunk line (no installation charge) 12.00
    - Service continuing beyond the initial 3 months' period is charged for at a rate for each whole month equal to one-ninth the difference between the short-term rate and the annual rate for similar service with a charge pro rata for fractional parts of a month.
- The following charges are made in addition to the rates quoted above, for installation and removal of equipment furnished for short periods—
  - If instrument is on premises and inside wiring and drop wiring are in place $2.00
  - If both inside wiring and drop wiring are in place, but it is necessary to furnish an instrument 3.00
  - If either inside wiring or drop wiring is in place (but not both) and instrument must be installed 4.00
  - If it is necessary to install inside wiring, drop wiring, and instrument ..... 500.

Note.—In addition to furnishing service for periods of three months or more, at the rates shown above, the company also furnishes service at rates in accordance with the New Hampshire state law which provides for service at rates which are "15 per cent more than such fractional part of the yearly rate, as the number of months used is of 12 months, plus the actual cost of installation." Subscribers signing contracts for short-term service at the company's regular rates are required to waive in writing the provisions of the New Hampshire state law as quoted above.

Excess exchange-line mileage (mileage is charged on the air-line distances beyond 2 miles from the central office);
- Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof $2.50
- Two-party line, per station, per quarter-mile or fraction thereof 1.00
- Four-party line, per station, per quarter-mile or fraction thereof 0.50

Extension and tie-line mileage (charges are computed on route measurements):
- Extension lines—
  - First half-mile or fraction thereof $10.00
  - Each additional quarter-mile or fraction thereof 5.00
- Tie lines (between switchboards in the same exchange)—
  - Switchboards contracted for by the same subscriber in separate buildings—
    - First mile or fraction thereof $35.00
    - Each additional quarter-mile or fraction thereof (when the switchboards are in the same building and only inside wiring is required the minimum charge per line is $10) 8.75
  - Switchboards contracted for by different subscribers in separate buildings. (Not more than 3 private branch exchange switchboards of different subscribers will be connected together by means of tie lines)—
    - First mile or fraction thereof $60.00
    - Each additional quarter-mile or fraction thereof 15.00

Extra directory listings:
- Business or residence 3.00
- Names of tenants in hotels and apartment houses 5.00

Joint-user service:
- Flat rates—Individual line or private branch exchange, one-half of annual rate, not to exceed $50.
- Message rates—Individual line or private branch exchange, $5.

Moving charges (individual or party-line stations or No. 1 private branch exchange stations):
- Inside move—
  - 25 feet or less of inside wiring necessary $1.00
  - Over 25 feet of inside wiring necessary 2.00
- Outside move—
  - Drop and inside wiring necessary and instrument to be placed 5.00
  - Drop or inside wiring (one only) necessary and instrument to be placed 4.00
  - No wiring necessary, but instrument to be placed 3.00
  - No wiring necessary and instrument in place 2.00

When a main station, extension station and other station equipment are moved at the same time, the work practically constituting one job, full charge is made for moving the main station, and one-half the scheduled charges for moving the other apparatus.

Moves of switchboards, entire No. 1 private branch exchange systems or No. 2 private branch exchange stations are made at actual cost.

At any time after the expiration of the initial contract period, the subscriber may extend his contract for another contract period in lieu of payment of the above charges.

MEDINA, N. Y.

NET ANNUAL EXCHANGE RATES OF THE FEDERAL TELEPHONE & TELEGRAPH CO. IN EFFECT MAY 1, 1913.

Individual and party-line service:

	Individual line.	Party line.	Extension station.
Business	[1] $32.00	$24.00	$6.00
Residence	[1] 16.00	12.00	6.00

[1] The business direct rate of $32 per year and the residence rate of $16 per year are subject to discount of 10 per cent if paid at the office of the company 3 months in advance before the 10th day of the first month of each quarter beginning January, April, July, and October. Other rates are net.

Miscellaneous service:
- Rural lines, multiparty $12.00
- Employees' station 6.00
- Extension bells 3.00
- Extra-name service ..... Free.

MEMPHIS, TENN.

NET ANNUAL EXCHANGE RATES OF THE CUMBERLAND TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 17, 1914.

Individual and party-line service.

Flat rates.

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Extension station.
Business	$72.00	$60.00	[1] $54.00	$48.00	$12.00
Residence	36.00	30.00	[1] 24.00	.....	12.00

[1] Available only beyond the base rate area, with mileage charges.

Message rates (business only, on monthly guarantee basis).

- Local messages, per annum 1,200
- Individual line $48.00
- Additional local messages 0.03
- Extension station 12.00

Subscribers' coin-box rates.

	Guarantee.	Minimum charge.	Local messages (cents).
Business only, 1-party	3 local messages per day	$54.00	[1] 5
Business or residence, 4-party	(2)	(2)	[1] 10

[1] Refund of 50 per cent of local message charges in excess of the guarantee.
[2] Not available within the city limits. Within 1 mile beyond the city limits, guarantee $4 per month in local message charges. For each mile or fraction thereof in excess of 1 mile, 25 cents per month is added to the amount of the guarantee.

Short-term service (short-term service and season service is furnished at 37 per cent of the annual rate for the class of service desired for the first 3 months or fraction thereof, plus 7 per cent of the annual rate for the class of service desired, for each month in excess of the first 3 months. For very short periods, as during illness, and in other cases where this rate would be excessive, approval is given to accept cancellations upon payment of regular charges for the period of service, minimum 1 month, plus a percentage of the installation and disconnection costs, determined by the ratio of the unexpired portion of the contract period to the full contract period, plus an estimated depreciation on equipment and material).

Private branch exchange service:
- No. 1 private branch exchanges (contracts are for periods of 3 years. Contracts are not taken for less than 2 trunk lines)—
  - Commercial and department store—Flat rates—
    - Switchboard, cord or cordless, with one operator's telephone, $1 for each station originally connected, minimum charge, $24; when a considerable number of stations are subsequently connected or disconnected, the switchboard charge is modified accordingly.
    - Trunk lines, both-way, each $108.00
    - Trunk lines, incoming, each 54.00
    - Stations, main or extension, each 12.00
    - Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 36 cents per annum for each station, including operators' telephones. The maximum charge is $2 per annum per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 30,000.
    - Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.
  - Commercial and department store—Message rates—
    - Switchboard, cord or cordless, with one operator's telephone, $1 for each station originally connected, minimum charge, $24; when a considerable number of stations are subsequently connected or disconnected, the switchboard charge is modified accordingly.
    - Trunk lines, both-way, each $48.00
    - Trunk lines, incoming, each 36.00
    - Stations, main or extension, each 6.00
    - Local messages.—One local message per month is allowed, without additional charge, for each 3 cents charged per month for trunk lines. No message allowance is included in charges for switchboard, stations, battery power, or ringing circuit. Additional local messages, each, 3 cents.
    - Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 36 cents per annum for each station, including operators' telephones. The maximum charge is $2 per annum per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 30,000.
    - Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.
  - Hotel and apartment house—Message rates—
    - Switchboard, cord or cordless, with one operator's telephone, 30 per cent of the cost, installed.
    - Trunk lines, both-way or incoming, each (the average number of originating local messages per month for each trunk line in service must be 200 or more before an additional trunk line will be furnished). $36.00
    - Stations, main or extension, each—
      - When company installs and maintains inside wiring 6.00
      - When subscriber installs and maintains inside wiring 4.00
    - Local messages.—One local message per month is allowed, without additiona charge, for each 3 cents charged per month for trunk lines. No message allowance is included in charges for switchboard, stations, battery power, or ringing circuit. Additional local messages, each, 3 cents.

MEMPHIS, TENN.—Continued.

Private branch exchange service—Continued.
No. 1 private branch exchanges—Continued.
Hotel and apartment house—Message rates—Continued.
Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 12 cents per annum for each station, including operators' telephones. The maximum charge is 50 cents per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 120,000.
Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.
No. 2 private branch exchanges—
Business or residence—Flat rates (contracts are for periods of either 1 or 3 years. Under 1-year contracts subscribers pay the actual cost of cabling, including the cost of labor and material. Under 3-year contracts subscribers pay the actual cost of cabling in excess of 50 feet for any station, including the cost of labor and material. The maximum equipment furnished is that for 10 lines.

	1-year contract.	3-year contract.
Trunk lines, both-way, each:		
Business	$108.00	$108.00
Residence	54.00	54.00
Trunk lines, incoming, each:		
Business	54.00	54.00
Residence	27.00	27.00
Receiving station, with switching device	18.00	24.00
Stations, main or extension, with switching device, each	12.00	15.00
Battery power and ringing circuit	15.00	15.00

Excess exchange-line mileage (mileage is computed on route measurements):	
Within 5 miles of central office, per mile or fraction thereof—	
All classes of service, per station	$6.00
Beyond 5 miles from a central office, per mile or fraction thereof—	
Individual line	6.00
2-party line, per station	4.80
4-party line, per station	3.00
Extension line mileage, per quarter-mile or fraction thereof, route measurement	7.50
Extra directory listings, business or residence	3.00
Joint-user service, business or residence	12.00
Moving charges:	
Individual or party line—	
Moving within the same room	1.00
Moving within the same building	2.00
Moving to another building	3.00
Private branch exchange, actual cost.	

MERIDIAN, MISS.

NET ANNUAL EXCHANGE RATES OF THE MERIDIAN HOME TELEPHONE CO. IN EFFECT MAY 7, 1914.

Individual and party-line automatic service.

	Individual line.	Party line.	Extension station.
Business	$36.00	$30.00	$12.00
Residence	24.00	18.00	6.00

MIDDLEPORT, N. Y.

NET ANNUAL EXCHANGE RATES OF THE FEDERAL TELEPHONE & TELEGRAPH CO. IN EFFECT MAY 1, 1913.

Individual and party-line service:

	Individual line.	Party line.	Extension station.
Business	$24.00	$18.00	$6.00
Residence	12.00	12.00	6.00

Miscellaneous service:	
Rural line	$12.00
Employees' station	6.00
Extension bell	3.00
Extra-name service	Free.

MILACA, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Business station, individual line	$24.00
Business extension	6.00
Residence station, individual line	18.00
Residence station with business	12.00
Residence station extension	6.00
Rural station	18.00

Rural connecting companies, $2.50 per circuit per month and 10 cents each for all stations in excess of 10 to a circuit.

MILWAUKEE, WIS.

NET ANNUAL EXCHANGE RATES OF THE WISCONSIN TELEPHONE CO. IN EFFECT AUG. 24, 1914.

The local service area includes Milwaukee, Cudahy, North Milwaukee, Wauwatosa, and West Allis.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Extension station.
Business	$96.00	$72.00	.....	$30.00	$7.20.
Residence	42.00	36.00	$30.00	.....	Wall set, $6.00. Desk set, $7.20.

Message rates.

Local messages per annum.	Individual line.	Additional local messages (cents).	Extension station.
Business:			
1,000	$50.00	4	$6.00
1,300	62.00	3	.....
1,500	68.00	2	.....
Residence:			
800	36.00	[1] 2	6.00

[1] Applies in connection with first 600 additional local messages. No charge for additional local messages in excess of 600; maximum rate being $48.

Subscribers' coin-box rates.

	Guarantee.	Minimum charge.	Local messages (cents).	Extension station.
Business:				
1-party	3 local messages per day	$54.75	[1] 5	$6.00
2-party	2 local messages per day	36.50	[2] 5	6.00
4-party	1½ local messages per day	27.37	5	6.00
Residence:				
1-party	2 local messages per day	36.50	[1] 5	6.00
2-party	1½ local messages per day	27.37	[2] 5	6.00
4-party	1 local message per day	18.25	5	6.00

[1] Refund of 1½ cents per message on local message charges in excess of guarantee.
[2] Refund of 1 cent per message on local message charges in excess of guarantee.

Rural line service:	
Business	$36.00
Residence	24.00
No. 1 private branch exchanges:	
Commercial and department store—Flat rates (contracts for cord switchboards are not accepted for less than 2 trunk lines and 3 stations, excluding operator's telephone)—	
Switchboard, cordless, with local battery power and ringing circuit—	
Capacity, 2 trunks, 4 lines	$24.00
Capacity, 3 trunks, 7 lines	34.00
Switchboard, cord, with battery power and an operator's telephone for each position—	
Magnetic signal, equipped for 15 lines	$56.00
Lamp signal, equipped for 15 lines	68.00
Additional switchboard equipment, for each 5 lines or less	3.00
First trunk line, outgoing	84.00
Second trunk line, outgoing	72.00
Additional trunk lines, outgoing, each	60.00
Trunk lines, incoming, each	30.00
Stations, each	7.20
Ringing circuit, cord switchboard	20.00
Commercial and department store—Message rates (contracts are not accepted for less than 2 trunk lines and 3 stations, excluding operators' telephones)—	
Switchboard, cord only, with battery power, ringing circuit, 2,000 local messages per annum, and an operators' telephone for each position—	
Magnetic signal, equipped for 15 lines	$108.00
Lamp signal, equipped for 15 lines	120.00
Additional switchboard equipment, for each 5 lines or less	3.00
Trunk lines, incoming or outgoing	No additional charge.
Stations, each	$6.00
Additional local messages, each	0.02
Hotel—Message rates (subscribers furnish the wiring between the switchboard and stations. Contracts are not accepted for less than 25 stations, excluding operators' telephones)—	
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position	No additional charge.
Trunk lines, incoming or outgoing	No additional charge.
Stations, each	$3.60
Local messages, each	0.05
No. 2 private branch exchanges (installation charges are made under contracts for more than 10 lines. Contracts are not accepted for less than 3 stations):	
Business—Flat rates—	
First trunk line, outgoing	$84.00
Second trunk line, outgoing	72.00
Additional trunk lines, outgoing, each	60.00
Trunk lines, incoming, each	30.00
Receiving station, with switching device	24.00
Stations, with switching device, each	15.00
Battery power and ringing circuit	20.00

MILWAUKEE, WIS.—Continued.

No. 2 private branch exchanges—Continued.
Residence—Flat rates—
Trunk lines, outgoing, each $42.00
Trunk lines, incoming, each 30.00
Receiving station, with switching device 18.00
Stations, with switching device, each 12.00
Battery power and ringing circuit 12.00
Business only—Message rates—
Trunk line, incoming or outgoing ..... No additional charge.
Receiving station, with switching device, battery power, ringing circuit, and 1,500 local messages per annum $102.00
Stations, with switching device, each 15.00
Additional local messages, each 0.02
Excess exchange-line mileage (charges are computed on route measurements beyond the city limits. On party lines charges are divided equally among the subscribers):
Individual or party lines, per line—
First mile, per quarter-mile or fraction thereof $7.50
Between 1 and 2 miles, per quarter-mile or fraction thereof 9.00
Between 2 and 3 miles, per quarter-mile or fraction thereof 10.50
Subscribers to business coin-box service may contract for an additional guarantee, in lieu of paying mileage charges.
Extension line mileage, per eighth mile or fraction thereof, route measurement, $3.
Extra directory listings, business or residence, each $3.
Joint-user service:
Flat-rate business $20.00
Message-rate business 10.00
Subscribers' business coin-box rates 6.00
Moving charges (if the initial contract period has not expired, and subsequently if the contract is not renewed for the ensuing contract term):
Main, extension, auxiliary, and No. 1 private branch exchange stations—
Moved to another location in the same building $1.00
Moved to another building 3.50
Private branch exchanges, estimated cost.

MINNEAPOLIS, MINN.

NET ANNUAL EXCHANGE RATES OF THE NORTHWESTERN TELEPHONE EXCHANGE CO. IN EFFECT AUG. 11, 1914.

[The local-service area includes Brooklyn Center, Columbia Heights, Edina Mills, Fridley, Golden Valley, Minneapolis, Richfield, Robbinsdale, and St. Louis Park.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	Inward auxiliary line.	Extension station.
Business	$72.00	$48.00	$24.00	Desk set, $12.00 Wall set, $6.00
Residence	30.00	24.00	.....	Desk set, $12.00 Wall set, $6.00

Subscribers' coin-box rates.

	Guarantee.	Minimum charge.	Local messages (cents).[1]
Business only, 1-party	$6 per month in local messages	$72.00	5
Business only, 2-party	$4 per month in local messages	48.00	5

[1] Refund of 2½ cents per message on local message charges in excess of guarantee.

Individual and party-line short-term service (the charge is the proportionate part of the annual rate for the class of service employed, plus the cost of installation and removal. A flat charge of $5 is sometimes made for conventions, fairs, etc., desiring service for a few days only).
Rural-line service:
Business $36.00
Residence 30.00
Private branch exchange service:
No. 1 private branch exchanges—
Commercial and department store—Flat rates (an installation charge is made if the contract period is less than 3 years. Contracts are not accepted unless the revenue to be derived therefrom is at least $240 per annum)—
Switchboard, cord or cordless, with battery power, ringing circuit, and an operator's telephone for each position $12.00
Trunk lines, both-way, each 72.00
Trunk lines, incoming, each 24.00
Trunk lines, incoming, with privilege of sending local messages at 3 cents each 24.00
Stations, each 12.00
Family hotel and apartment house—Flat rates (flat-rate private branch exchange service is not furnished to transient hotels)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position $6.00
Trunk lines, both-way, each 72.00
Trunk lines, incoming, each 25.00
Stations, each 6.00
Transient hotels—Message rates (subscribers bear the cost of wiring)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position $3.50
Trunk lines, incoming or both-way ..... No additional charge.
Stations, each $3.50
Local messages, each 0.02½
No. 2 private branch exchanges—
Business and residence—Flat rates (contracts are not accepted for a period of less than 3 years nor when the annual revenue to be derived therefrom is less than that obtained from 1 both-way trunk line and 5 stations. This class of service is furnished for banks and offices but not for factories, large wholesale houses, or places of similar nature where extensive cabling is required—
Trunk lines, both-way only, each—
Business $72.00
Residence 30.00
Stations, with switching device, each 12.00

MINNEAPOLIS, MINN.—Continued.

Excess exchange-line mileage, all classes of service, per half-mile or fraction thereof, air-line distance beyond the city limits, $6.
Extension-line mileage, for each half-mile or fraction thereof, air-line distance, beyond the first quarter-mile, $6.
The charge for private branch exchange station or extension stations not on the same premises as the switchboard or the main station is $24 per annum, the excess rate being in lieu of the first quarter-mile or fraction of circuit.
Extra directory listings, business or residence, $1.50.
Joint-user service, business only, $12.
Moving charges:
Individual and party lines, no charge.
Private branch exchanges, actual cost.

MINNEAPOLIS, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Individual line—Flat rate:
Business station $48.00
Business extension 12.00
Residence station 30.00
Residence extension 6.00
Private branch exchange and intercommunicating service:
Trunk, each $48.00
Extension 12.00

MOBILE, ALA.

NET ANNUAL EXCHANGE RATES OF THE HOME TELEPHONE CO. IN EFFECT JAN. 1, 1914.

Individual and party-line service.

	Individual line.	2-party line.	4-party line.
Business	$42.00	.....	.....
Residence	27.00	$21.00	$18.00

Rates outside city limits will be according to distance from exchange.

MOBILE, ALA.

NET ANNUAL EXCHANGE RATES OF THE SOUTHERN BELL TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 17, 1914.

Individual and party-line service: Where the same charge is shown for service with different numbers of subscribers on a circuit, under business or residence flat rates or message rates, the lower grades of service are ordinarily employed only beyond the base-rate area, with mileage charges.
Flat rates.—Flat rates are available, without mileage charges, to all residence subscribers and to party-line business subscribers within 2 miles of a central office and to all individual-line business subscribers within 1 mile of a central office. Individual-line business flat rates are also available, at fixed higher rates in lieu of mileage charges, to all subscribers within specified radial distances between 1 and 2 miles of a central office. Beyond this radial distance regular mileage charges apply.

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Extension station.
Base rates:					
1 mile radius, business	$48.00	$42.00	$42.00	$30.00	Wall set, $18.00 Desk set, 12.00
1 mile radius, residence	30.00	24.00	18.00	.....	Wall set, 12.00 Desk set, 18.00
Fixed rates for zones within specified radial distances:					
1 to 1½ miles radius, business	54.00	42.00	42.00	30.00	.....
1 to 1½ miles radius, residence	30.00	24.00	18.00	.....	.....
1½ to 2 miles radius, business	60.00	42.00	42.00	30.00	.....
1½ to 2 miles radius, residence	30.00	24.00	18.00	.....	.....

Message rates (on monthly guarantee basis).—Message rates are available, without mileage charges, to all subscribers within 2 miles of a central office. Beyond this radial distance regular mileage charges apply.

Local messages per annum.	Individual line.	2-party line.	4-party line.	Additional local messages (cents).	Extension station.
Business:					
1,200	$36.00	$36.00	$36.00	3	$18.00
Limit of charge per month	5.00	4.00	4.00	.....	.....
Residence:					
600	.....	.....	18.00	3	Wall set, 12.00
Limit of charge per month	.....	.....	3.00	.....	Desk set, 18.00

Individual and party-line short-term service:
Emergency service (the charge is the regular monthly rate for the period of service plus the estimated expense of installation and disconnection).
Season service (for not less than 4 months the charge is the regular rate for the period of service plus 50 per cent).

MOBILE, ALA.—Continued.

Private branch exchange service:
No. 1 private branch exchanges (contracts are for periods of 5 years)—
Commercial and department store—Flat rates—
Switchboard, cord or cordless, with one operator's telephone, $1 for each station originally connected, minimum charge, $24. When a considerable number of stations are subsequently connected or disconnected, the switchboard charge is modified accordingly.
Trunk lines, both-way, each..... $72.00
Trunk lines, incoming, each..... 36.00
Stations, main or extension, each..... 12.00
Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 36 cents per annum for each station, including operators' telephones. The maximum charge is $2 per annum per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 30,000.
Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.
Commercial and department store—Message rates—
Switchboard, cord or cordless, with one operator's telephone, $1 for each station originally connected, minimum charge, $24. When a considerable number of stations are subsequently connected or disconnected, the switchboard charge is modified accordingly.
Trunk lines, both-way, each..... $48.00
Trunk lines, incoming, each..... 36.00
Stations, main or extension, each..... 6.00
Local messages.—One local message per month is allowed, without additional charge, for each 3 cents charged per month for trunk lines. No message allowance is included in charges for switchboard, stations, battery power, or ringing circuit. Additional local messages, each, 3 cents.
Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 36 cents per annum for each station, including operators' telephones. The maximum charge is $2 per annum per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 30,000.
Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.
Hotel and apartment house—Message rates—
Switchboard, cord or cordless, with one operator's telephone, 30 per cent of the cost, installed.
Trunk lines, both-way or incoming, each, $36. The average number of originating local messages per month for each trunk line in service must be 200 or more before an additional trunk line will be furnished.
Stations, main or extension, each—
When company installs and maintains inside wiring..... $6.00
When subscriber installs and maintains inside wiring..... 4.00
Local messages.—One local message per month is allowed, without additional charge, for each 3 cents charged per month for trunk lines. No message allowance is included in charges for switchboard, stations, battery power, or ringing circuit. Additional local messages, each, 3 cents.
Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 12 cents per annum for each station, including operators' telephones. The maximum charge is 50 cents per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 120,000.
Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.
No. 2 private branch exchanges—
Business and residence—Flat rates (contracts are for periods of either 1 or 3 years. Under 1-year contracts subscribers pay the actual cost of cabling, including the cost of labor and material. Under 3-year contracts subscribers pay the actual cost of cabling in excess of 50 feet for any station, including the cost of labor and material. The maximum equipment furnished is that for 10 lines)—

	One-year contract.	Three-year contract.
Trunk lines, both-way, each:		
Business	1½ individual line business rate.	1½ individual line business rate.
Residence	$45.00	$45.00.
Trunk lines, incoming, each:		
Business	¾ individual line business rate.	¾ individual line business rate.
Residence	$22.50	$22.50.
Receiving station, with switching device.	$18.00	$24.00.
Stations, main or extension, with switching device, each.	$12.00	$15.00.
Battery power and ringing circuit.	$15.00	$15.00.

Excess exchange-line mileage: Charges are computed on air-line measurements beyond the base-rate area, at $7.50 per quarter-mile or fraction thereof, and are quoted on a "per line" basis. On unfilled party lines the total charge for mileage bears the same relation to the above rate as the number of subscribers connected bears to the number that may be connected on that type of line. Under message-rate contracts, one local message per month is allowed, without additional charge, for each 3 cents per month of the mileage charge.
Extension and tie-line mileage (charges are computed on route measurements):
Extension lines, per quarter-mile or fraction thereof..... $7.50
Tie lines, per quarter-mile or fraction thereof..... 10.00
Under message-rate contracts one local message per month is allowed, without additional charge, for each 3 cents per month of the mileage charge.
Extra directory listings, each, per annum, $3.
Under message-rate contracts one local message per month is allowed, without additional charge, for each 3 cents per month of the charge for listings.

MOBILE, ALA.—Continued.

Joint-user service:

	Business.	Residence.
Flat rates:		
Individual line	$24.00	$12.00
Two-party line	24.00	12.00
Four-party line	18.00	12.00
Message rates:		
Individual line	12.00	
Limit of charge per month	2.00	
Two-party line	12.00	
Limit of charge per month	2.00	
Four-party line	12.00	6.00
Limit of charge per month	2.00	1.00

Under message-rate contracts one local message per month is allowed, without additional charge, for each 3 cents per month of the charge for joint-user service.
Moving charges:
Move to another location in the same office or room, each station..... $1.00
Move to another location in the same building, each station..... 2.00
Move to another building, together with extensions and supplemental equipment, if any, each main station..... 3.00
Changing service from individual to party line, each main station..... 2.50
Changing party-line subscriber to another party line at subscriber's request..... 2.50
Changing equipment at subscriber's request when the change is not required for the efficiency of the service..... 1.50
Any move of a private branch exchange switchboard, together with all associated stations and apparatus, to another location on the same or different premises, estimated cost of labor and material.

MONEE, ILL.

NET ANNUAL EXCHANGE RATES OF THE INTERSTATE INDEPENDENT TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1914.

Individual and party-line service:

	Individual line.	2-party line.	Extension station.
Business	$24.00	$24.00	$6.00
Residence	18.00	18.00	6.00

Miscellaneous service per station:
Rural..... $18.00
Employees..... 9.00

MONTOUR FALLS, N. Y.

NET ANNUAL EXCHANGE RATES OF THE FEDERAL TELEPHONE & TELEGRAPH CO. IN EFFECT MAY 1, 1913.

Individual and party-line service.

	Individual line.	Party line.
Business	$30.00	$24.00
Residence	21.00	15.00

MOOSE LAKE, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Individual and party-line service.

	Individual line.	Party line.
Business	$18.00	
Residence	15.00	$12.00

Rural connecting companies, $2.50 per circuit per month and 10 cents each for all stations in excess of 10 to a circuit.

MORA, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Individual and party-line service:

	Individual line.	Party line.	Extension station.
Business	$24.00		$6.00
Residence	18.00	$12.00	6.00
Rural station		15.00	

Rural connecting companies, $2.50 per circuit per month and 10 cents each for all stations in excess of 10 to a circuit.

MURRAYVILLE, ILL.

NET ANNUAL EXCHANGE RATES OF THE ILLINOIS TELEPHONE CO. IN EFFECT DEC. 31, 1914.

Business	$18.00
Business with extension on same line in same building	27.00
Residence	18.00
Residence with extension on same line in same building	27.00

NAPERVILLE, ILL.

NET ANNUAL EXCHANGE RATES OF THE INTERSTATE INDEPENDENT TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1914.

Individual and party-line service.

	Individual line.	2-party line.	Extension station.
Business	$24.00	$12.00	$12.00
Residence		12.00	6.00
Rural service per station			18.00

NAPLES, N. Y.

NET ANNUAL EXCHANGE RATES OF THE PRATTSBURG-OVERLAND TELEPHONE CO. IN EFFECT AUG. 20, 1914.

Individual and party-line service.

	Individual line.	Party line.	Rural party line.
Business	$21.00	$15.00	$15.00
Residence	21.00	15.00	15.00

NASHVILLE, TENN.

NET ANNUAL EXCHANGE RATES OF THE CUMBERLAND TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 17, 1914.

[This schedule includes service to those subscribers in the Goodlettsville exchange who contract for Nashville service.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Extension station.
Business	$72.00	$60.00	[1] $48.00	$42.00	$12.00
Residence	36.00	30.00	[1] 18.00		12.00

[1] These rates are available, without mileage charges, only beyond the city limits and within 3 miles of the "Main" central office.

Message rates (business only on monthly guarantee basis).

Local messages per annum, 1,200; individual line, $48; additional local messages, 3 cents; extension station, $12.

Subscribers' coin-box rates.

	Guaranty.	Minimum charge.	Local messages (cents).
Business only, 1-party	3 local messages per day.	$54.00	[1] 5
Business or residence, 4-party	(2)	(2)	[1] 10

[1] Refund of 50 per cent of local message charges in excess of guaranty.
[2] Not available within the city limits. Beyond the city limits and within 3 miles, route measurement, from the "Main" central office, guaranty is $3 per month in local message charges. For each mile or fraction thereof in excess of this distance 25 cents per month is added to the amount of the guaranty.

Short-term service: Short-term service and season service is furnished at 37 per cent of the annual rate for the class of service desired for the first 3 months or fraction thereof, plus 7 per cent of the annual rate for the class of service desired, for each month in excess of the first 3 months. For very short periods, as during illness, and in other cases where this rate would be excessive, approval is given to accept cancellations upon payment of regular charges for the period of service, minimum 1 month, plus a percentage of the installation and disconnection costs, determined by the ratio of the unexpired portion of the contract period to the full contract period, plus an estimated depreciation on equipment and material.

NASHVILLE, TENN.—Continued.

Private branch exchange service:

No. 1 private branch exchanges (contracts are for periods of 3 years. The minimum installation includes 2 trunk lines)—

Commercial and department store—Flat rates—

Switchboard, cord or cordless, with 1 operator's telephone, $1 for each station originally connected, minimum charge, $24; when a considerable number of stations are subsequently connected or disconnected, the switch-board charge is modified accordingly.

Trunk lines, both-way, each	$90.00
Trunk lines, incoming, each	45.00
Stations, main or extension, each	12.00

Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 36 cents per annum for each station, including operators' telephones. The maximum charge is $2 per annum per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 30,000.

Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.

Commercial and department store—Message rates—

Switchboard, cord or cordless, with 1 operator's telephone, $1 for each station originally connected, minimum charge, $24; when a considerable number of stations are subsequently connected or disconnected, the switchboard charge is modified accordingly.

Trunk lines, both-way, each	$48.00
Trunk lines, incoming, each	36.00
Stations, main or extension, each	6.00

Local messages.—One local message per month is allowed, without additional charge, for each 3 cents charged per month for trunk lines. No message allowance is included in charges for switchboard, stations, battery power, or ringing circuit. Additional local messages, each, 3 cents.

Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 36 cents per annum for station, including operators' telephones. The maximum charge is $2 per annum per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 30,000.

Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.

Hotel and apartment house—Message rates—

Switchboard, cord or cordless, with 1 operator's telephone, 30 per cent of the cost, installed.

Trunk lines, both-way or incoming, each (the average number of originating local messages per month for each trunk line in service must be 200 or more before an additional trunk line will be furnished) $36.00

Stations, main or extension, each—

When company installs and maintains inside wiring	6.00
When subscriber installs and maintains inside wiring	4.00

Local messages.—One local message per month is allowed, without additional charge, for each 3 cents charged per month for trunk lines. No message allowance is included in charges for switchboard, stations, battery power, or ringing circuit. Additional local messages, each, 3 cents.

Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 12 cents per annum for each station, including operators' telephones. The maximum charge is 50 cents per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 120,000.

Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.

No. 2 private branch exchanges—

Business or residence—Flat rates (contracts are for periods of either 1 or 3 years. Under 1-year contracts subscribers pay the actual cost of cabling, including the cost of labor and material. Under 3-year contracts subscribers pay the actual cost of cabling in excess of 50 feet for any station, including the cost of labor and material. The maximum equipment furnished is that for 10 lines)—

	1-year contract.	3-year contract.
Trunk lines, both-way, each:		
Business	$108.00	$108.00
Residence	54.00	54.00
Trunk lines, incoming, each:		
Business	54.00	54.00
Residence	27.00	27.00
Receiving station, with switching device	18.00	24.00
Stations, main or extension, with switching device, each	12.00	15.00
Battery power and ringing circuit	15.00	15.00

Excess exchange-line mileage (charges are computed on route measurements beyond the city limits):

Within 5 miles of a central office, per mile or fraction thereof—	
All classes of service, per station	$6.00
Beyond 5 miles from a central office, per mile or fraction thereof—	
Individual line	6.00
Two-party line, per station	4.80
Four-party line, per station	3.00

NASHVILLE, TENN.—Continued.

Extension line mileage, per quarter-mile or fraction thereof, route measurement. $7.50.
Extra directory listings, business or residence, $3.
Joint-user service, business or residence, $12.
Moving charges:
Individual or party line—
Moving within the same room $1.00
Moving within the same building 2.00
Moving to another building 3.00
Private branch exchange ..... Actual cost.

NEW ALBANY, IND.

NET ANNUAL EXCHANGE RATES OF THE LOUISVILLE HOME TELEPHONE CO. IN EFFECT MAY 5, 1914.

Individual and party-line service—Unlimited local service.

Business, individual line $30.00
Business, 2-party line 24.00
Residence, individual line 18.00
Residence, 2-party line 15.00
Business, extension station 12.00
Residence, extension station 9.00

NEW ATHENS, ILL.

NET ANNUAL EXCHANGE RATES OF THE KINLOCH LONG-DISTANCE TELEPHONE CO. IN EFFECT MAY 2, 1914.

Individual and party-line service:

	Individual line.	2-party line.	4-party line.
Business	$24.00	$21.00	.....
Residence	18.00	15.00	$12.00

Extensions:
Business station $12.00
Residence station 6.00

NEWARK, N. J.

NET ANNUAL EXCHANGE RATES OF THE NEW YORK TELEPHONE CO. IN EFFECT AUG. 20, 1914.

[The local service area includes Newark, Irvington, Arlington, and Harrison.]

Individual and party-line service:

Flat rates (residence only).

Individual line, $48; both-way auxiliary line, $36; extension station, $6.

Message rates.

Local messages per annum.	Individual line.	2-party line.	4-party line.	Additional local messages (cents).	Both-way auxiliary lines.	Extension station.
Business:						
600	$42.00	$36.00	[1] $30.00	5	$30.00	$6.00
800	51.00	45.00	.....	5	.....	.....
1,000	60.00	54.00	.....	5	.....	.....
1,200	69.00	.....	.....	4	.....	.....
1,200	.....	63.00	.....	5	.....	.....
1,500	78.00	.....	.....	4	.....	.....
1,500	.....	75.00	.....	5	.....	.....
1,800	[2] 87.00	.....	.....	[2] 4	.....	.....
1,800	.....	87.00	.....	5	.....	.....
Residence:						
600	42.00	36.00	30.00	5	.....	6.00
800	51.00	45.00	.....	5	.....	.....

[1] Guarantee of $2.50 per month in local messages at 5 cents each.
[2] Additional local messages, 3 cents each if contracted for in advance in lots of 300.

Private branch exchange service:
No. 1 private branch exchanges—
General—Message rates—
Switchboard, cord or cordless, with battery power, an operator's telephone for each position, 2 both-way trunk lines, 2 stations, and 2,000 local messages per annum $156.00
Additional trunk lines, both-way only, each 24.00
Additional stations, each 6.00
Additional local messages, each 0.04
If contracted for in advance in lots of 400, each 0.03
Ringing circuit (no additional charge is made for ringing circuit if the subscriber contracts for either 3,600 local messages or 20 stations). 24.00
No. 1 residence systems:
Flat or message rates (an installation charge is made to cover the cost of circuits between stations)—
Trunk lines, both-way only, each—
Flat rate $42.00
Message rate, including 600 local messages per annum (additional local messages at rates given under individual-line residence message rates) 36.00
Stations, with switching device, each—
Equipped for 10 lines 12.00
Equipped for 20 lines 15.00
Equipped for 30 lines 18.00
Stations, without switching device, each 6.00

NEWARK, N. J.—Continued.

Short-term service:
Individual and party lines—
Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than one year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for one month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Message rates.—When the number of messages under a message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.

Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in one year.

Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

Private branch exchanges:
Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.
Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.
Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.

NEWARK, N. J.—Continued.

Private branch exchanges—Continued.

Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals or exceeds the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in one year.

Excess exchange-line mileage charges are computed on air-line distances beyond the base-rate area and within 2½ miles of the central office or rate center and on route measurements beyond this distance:

Individual line, or private branch exchange trunk line, per quarter-mile or fraction thereof	$9.00
Two-party line, per station, per quarter-mile or fraction thereof	4.50
Four-party line, per station, per quarter-mile or fraction thereof	2.25

Extension and tie-line mileage (charges are computed on route measurements), per quarter-mile or fraction thereof, $7.50.

Extra directory listings, business or residence, $1.

Moving charges:

Individual or party line, main or extension station, or No. 1 private branch exchange station—

Inside move	No charge.
Outside move, during first year or within one year from last free move—	
Main station moved independently	$3.00
Main station moved in conjunction with and to same address as switchboard	1.00
Extension station moved independently of main station	3.00
Extension station moved in conjunction with and to same address as main station	1.00

Private branch exchange switchboards—

Inside move during first year or within one year from last free move—

	Same room.	Another room.
Cordless, 10 lines or less	$5.00	$8.00
Cord board, 40 lines or less	10.00	18.00
Cord board, over 40 lines	Estimated cost.	

Outside move during first year or within one year from last free move—

Cordless, 10 lines or less	$10.00
Cord board, 40 lines or less	18.00
Cord board, over 40 lines	Estimated cost.

No. 1 residence systems—First or subsequent years, estimated cost.

NEW BEDFORD, MASS.

NET ANNUAL EXCHANGE RATES OF THE NEW ENGLAND TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 26, 1914.

[The local service area includes New Bedford and Fairhaven and parts of Acushnet, Dartmouth, and Freetown.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Extension station.
Business	$37.00			$30.00	$6.00
Residence	33.00	$27.00	$25.00		6.00

Message rates (business only).

Local messages per annum	720
Individual line	$36.00
Additional local messages:	
Up to a total of 6,000, each	0.03
Next 6,000, each	0.02¾
All others, each	0.02½
Extension station	6.00

Subscribers' coin-box rates.

	Guarantee [1]	Minimum charge.	Local messages (cents).	Extension station.
Business, 4-party	1½ local messages per day	$27.38	5	$6.00
Residence, 4-party	1 local message per day.	18.25	5	6.00

[1] On annual basis.

No. 1 or No. 2 private branch exchanges:

Commercial, residence, hotel, and apartment house—Message rates (contracts are not accepted for periods of less than 3 years. No. 2 business systems are limited to a total of 10 lines)—

Switchboard, with battery power, an operator's telephone or receiving station, with switching devices and 2,500 local messages per annum	$75.00
Trunk lines, both-way only, each	21.00
Stations, each	6.00
Additional local messages—	
First 3,500 each (in hotels and apartment houses all additional local messages are charged for at 3 cents each)	0.03
Next 6,000, each	0.02¾
All others, each	0.02½
Ringing circuit (applies only within a radius of 1 mile, air-line distance from a central office, for installations of 19 stations or less. No additional charge is made if subscribers within 1 mile from the central office contract for 20 stations or more. Beyond this distance a mileage charge is made of $5 per quarter-mile or fraction thereof)	18.00

NEW BEDFORD, MASS.—Continued.

No. 1 or No. 2 private branch exchanges—Continued.

Hotel—Message rates—Season service (contracts are not accepted for periods of less than 5 years nor for less than 50 stations and allow service for a period of 5 months in each year)—

Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, no charge.	
Trunk lines, both-way only, no charge.	
Stations—	
First 50, each	$5.00
Over 50, each	4.00
Local messages, each	0.03

Department store—Message rates (contracts are not accepted for periods of less than 5 years nor for less than 50 stations)—

Switchboard, with battery power, ringing circuit, and an operator's telephone, no charge.	
Trunk lines, both-way only, each	$24.00
Stations, each	6.00
Local messages—	
First 6,000, each	0.03
Next 6,000, each	0.02¾
All others, each	0.02½

No. 2 private branch exchanges—Flat rates (contracts are not accepted for a period of less than 3 years. Interior cable in excess of 500 feet and all outside cable between a subscriber's buildings on the same premises is furnished at the subscriber's expense. The rate quoted for receiving stations includes switching devices for all stations):

Trunk lines, both-way, each	$33.00
Trunk lines, incoming, each	30.00
Receiving station, with switching devices	24.00
Stations, with or without switching device, each	6.00

Short-term service:

Emergency service (regular installation and removal charges apply as specified below under 3 months' service)—

Flat-rate individual line or residence No. 2 private branch exchange trunk line—	
First day	$3.00
Each additional day	0.75
Message-rate trunk line and private branch exchange station (either or both)—	
First 3 days	$5.00
Each additional week (charge not to exceed annual rate)	1.00

Three-month periods—

Flat rates—	
Business—Individual line	23.00
Residence—	
Individual line or No. 2 private branch exchange trunk line	19.00
Party line, per station	16.00
Message rates—Private branch exchange trunk line (no installation charge)	12.00

Service continuing beyond the initial 3-months' period is charged for at a rate for each whole month equal to one-ninth the difference between the short-term rate and the annual rate for similar service, with a charge pro rata for fractional parts of a month.

The following charges are made in addition to the rates quoted above for installation and removal of equipment furnished for short periods:

If instrument is on premises and inside wiring and drop wiring are in place	$2.00
If both inside wiring and drop wiring are in place but it is necessary to furnish an instrument	3.00
If either inside wiring or drop wiring is in place (but not both) and instrument must be installed	4.00
If it is necessary to install inside wiring, drop wiring, and instrument	5.00

Excess exchange-line mileage (mileage is charged on the air-line distances beyond 2 miles from the central office):

Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof	$2.50
Two-party line, per station, per quarter-mile or fraction thereof	1.00
Four-party line, per station, per quarter-mile or fraction thereof	0.50

Extension and tie-line mileage (charges are computed on route measurements):

Extension lines—	
First half-mile or fraction thereof	$10.00
Each additional quarter-mile or fraction thereof	5.00
Tie lines (between switchboards in the same exchange)—	
Switchboards contracted for by the same subscriber in separate buildings—	
First mile or fraction thereof	$35.00
Each additional quarter-mile or fraction thereof (when the switchboards are in the same building and only inside wiring is required the minimum charge per line is $10)	8.75
Switchboards contracted for by different subscribers in separate buildings. (Not more than 3 private branch exchange switchboards of different subscribers will be connected together by means of tie lines)—	
First mile or fraction thereof	$60.00
Each additional quarter-mile or fraction thereof	15.00

Extra directory listings:

Business or residence	3.00
Names of tenants in hotels and apartment houses	5.00

Joint-user service:

Flat rates—Individual line or private branch exchange, one-half of annual rate, not to exceed $50.

Message rates—Individual line or private branch exchange, $5.

Moving charges (individual or party line stations or No. 1 private branch exchange stations):

Inside move—	
25 feet or less of inside wiring necessary	$1.00
Over 25 feet of inside wiring necessary	2.00
Outside move:	
Drop and inside wiring necessary and instrument to be placed	5.00
Drop or inside wiring (one only) necessary and instrument to be placed	4.00
No wiring necessary but instrument to be placed	3.00
No wiring necessary and instrument in place	2.00

When a main station, extension station, and other station equipment are moved at the same time, the work practically constituting one job, full charge is made for moving the main station, and one-half the scheduled charges for moving the other apparatus.

Moves of switchboards, entire No. 1 private branch exchange systems or No. 2 private branch exchange stations are made at actual cost.

At any time after the expiration of the initial contract period, the subscriber may extend his contract for another contract period in lieu of payment of the above charges.

NEW BRITAIN, CONN.

NET ANNUAL EXCHANGE RATES OF THE SOUTHERN NEW ENGLAND TELEPHONE CO. IN EFFECT AUG. 20, 1914.

[The local service area includes Berlin and New Britain, Conn.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Auxiliary line.	Extension station.
Business	$60.00	$42.00	.....	$36.00	[1] $8.00
Residence	36.00	.....	$24.00	.....	[1] 6.00

[1] Plus installation charge of $2.

Message rates.

Local messages per annum.	Individual line.	4-party line.	6-party line.	Additional local messages (cents).	Extension station.
Business:					
600	$30.00	$24.00	.....	4	[1] $8.00
1,000	40.00	.....	.....	3½	.....
Residence:					
300	.....	.....	$18.00	4	[1] 6.00
600	30.00	.....	.....	4	.....

[1] Plus installation charge of $2.

Individual and party line short-term service: Short-term flat-rate service for periods of 6 months or less, is charged for at two-thirds of the standard annual rate. Emergency service, installed on account of sickness, for periods of not more than 1 month, is furnished for a flat charge of $5.

Rural line service: Service is furnished on an eight-plus-party line basis to both business and residence subscribers at $18 per annum. The local service area to rural line subscribers covers only that portion of the township in which such subscribers are located, which is served by the same exchange. Messages to all other stations within the exchange area are charged for at 5 cents each. No toll is charged for incoming messages originating at subscribers' stations within the base-rate area or at subscribers' stations outside the base-rate area on which mileage is charged (not rural line stations). Toll charges to other exchanges are the same on messages from rural line stations as on messages from subscribers' stations within the base-rate area served by the same central office. Eight-plus-party rural line stations, on which the 5-cent charge applies on messages to stations outside of the township of the calling station but within the same exchange area, are equipped with coin boxes.

Private branch-exchange service:

No. 1 private branch exchanges (subscribers bear the expense of installation, excepting that portion to which regular mileage charges apply—

Commercial, department store, family hotel, and apartment house—Flat rates—

Switchboard, cord or cordless, with battery power, without operating telephones, no additional charge.

First trunk line, both-way only	$60.00
Additional trunk lines, both-way only, each	36.00
Stations, each	8.00
Ringing circuit.—$7.50 per annum per one-quarter mile or fraction thereof of circuit required, plus (subscribers bear costs incidental to the installation of local ringing power)	10.00

Commercial, department store, family and transient hotel, and apartment house—Message rates—

Switchboard, cord or cordless, with battery power, without operating telephones, no additional charge.

Trunk lines, both-way only, no additional charge.

Stations, each	$3.00
Local messages—Guaranty—	
5,000 per annum $150; additional local messages, each	0.03
10,000 per annum $300; additional local messages, each	0.03
15,000 per annum $400; additional local messages, each	0.02½
20,000 per annum $500; additional local messages, each	0.02½
Ringing circuit.—$7.50 per annum per one-quarter mile or fraction thereof or circuit required, plus (subscribers bear costs incidental to the installation of local ringing power)	10.00

No. 2 private branch exchanges—

Business and residence—Flat rates (subscribers bear the expense of installation and the cost of maintaining the wiring).

First trunk line, both-way only	$60.00
Additional trunk lines, both-way only, each	36.00
Stations, each	8.00

Excess exchange line mileage (mileage charges are computed on air-line distances. In outlying sections having a community of interests, an average mileage charge is usually applied on party-line service, but individual line mileage is computed separately for each subscriber. These average mileage charges are computed on air-line distances between the centers of such communities and the boundary of the base-rate area):

Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof	$5.00
Party line, per station, per quarter-mile or fraction thereof	1.00

Extension and tie-line mileage, per quarter-mile or fraction thereof, $7.50

Extra directory listings, business or residence, $4.

Joint-user service:

Flat rates, one-half the annual rate for the class of service employed.

Message rates, $8.

Moving charges:

Individual and party lines—

Moving a station to a different location on the same premises	$1.00
Moving a main station to premises which are already wired	2.00
Moving a main station to premises which are not wired	3.00

NEW BRITAIN, CONN.—Continued.

Moving charges—Continued.

Private branch exchanges—Moving a part or all of a private branch exchange system, actual cost.

No charge is made under contracts for individual and party lines if the existing service has been used continuously at the same location for the full preceding year, or if the subscriber has paid the standard charges for all changes of location or equipment made during such preceding year, or if at the time of moving a contract is taken for a higher grade of service at an increased rate.

NEW HAVEN, CONN.

NET ANNUAL EXCHANGE RATES OF THE SOUTHERN NEW ENGLAND TELEPHONE CO. IN EFFECT AUG. 20, 1914.

[The local service area includes Bethany, Hamden, New Haven, North Haven, West Haven, and Woodbridge, Conn.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Auxiliary line.	Extension station.
Business	$84.00	$60.00	.....	$50.00	[1] $8.00
Residence	36.00	.....	$30.00	.....	[1] 6.00

[1] Plus installation charge of $2.

Message rates.

Local messages per annum.	Individual line.	4-party line.	6-party line.	Additional local messages (cents).	Extension station.
Business:					
800 or less	.....	$36.00	.....	4	[1] $8.00
1,200	$48.00	.....	.....	4	.....
1,500	54.00	.....	.....	4	.....
1,800	60.00	.....	.....	3½	.....
2,100	66.00	.....	.....	3½	.....
2,400	72.00	.....	.....	3	.....
Residence:					
400 or less	.....	.....	$25.00	4	[1] 6.00

[1] Plus installation charge of $2.

Individual and party line—Short-term service: Short-term flat-rate service, for periods of 6 months or less is charged for at two-thirds of the standard annual rate. Emergency service, installed on account of sickness for periods of not more than 1 month is furnished for a flat charge of $5.

Rural-line service: Service is furnished on an eight-plus-party line basis to both business and residence subscribers at $18 per annum. The local service area to rural line subscribers covers only that portion of the township in which such subscribers are located which is served by the same exchange. Messages to all other stations within the exchange area are charged for at 5 cents each. No toll is charged for incoming messages originating at subscribers' stations within the base-rate area or at subscribers' stations outside the base-rate area on which mileage is charged (not rural-line stations). Toll charges to other exchanges are the same on messages from rural-line stations as on messages from subscribers' stations within the base-rate area served by the same central office. Eight-plus-party rural-line stations, on which the 5-cent charge applies on messages to stations outside of the township of the calling station but within the same exchange area, are equipped with coin boxes.

Private branch exchange service:

No. 1 private branch exchanges (subscribers bear the expense of installation excepting that portion to which regular mileage charges apply)—

Commercial, department store, family hotel, and apartment house—Flat rates—

Switchboard, cord or cordless, with battery power, without operating telephones, no additional charge.

First trunk line, both-way only	$84.00
Additional trunk lines, both-way only, each	50.00
Stations, each	8.00
Ringing circuit.—$7.50 per annum per one-quarter mile or fraction thereof of circuit required, plus (subscribers bear costs incidental to the installation of local ringing power)	10.00

Commercial, department store, family and transient hotel, and apartment house—Message rates—

Switchboard, cord or cordless, with battery power, without operating telephones, no additional charge.

Trunk lines, both-way only, no additional charge.

Stations, each	$3.00
Local messages—Guaranty—	
5,000 per annum, $150; additional local messages, each	0.03
10,000 per annum, $300; additional local messages, each	0.03
15,000 per annum, $400; additional local messages, each	0.02½
20,000 per annum, $500; additional local messages, each	0.02½
Ringing circuit.—$7.50 per annum per quarter-mile or fraction thereof of circuit required, plus (subscribers bear costs incidental to the installation of local ringing power)	10.00

No. 2 private branch exchanges:

Business and residence—Flat rates (subscribers bear the expense of installation and the cost of maintaining the wiring)—

First trunk line, both-way only	$84.00
Additional trunk lines, both-way only, each	50.00
Stations, each	8.00

Excess exchange line mileage (mileage charges are computed on air-line distances. In outlying sections having a community of interests an average mileage charge is usually applied on party line service, but individual line mileage is computed separately for each subscriber. These average mileage charges are computed on air-line distances between the centers of such communities and the boundary of the base-rate area):

Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof	$5.00
Party line, per station, per quarter-mile or fraction thereof	1.00

NEW HAVEN, CONN.—Continued.

Extension and tie-line mileage (mileage charges are based on route measurements), per quarter-mile or fraction thereof, $7.50.
Extra directory listings, business or residence, $4.
Joint-user service:
Flat rates, one-half the annual rate for the class of service employed.
Message rates, $8.
Moving charges:
Individual and party lines—
Moving a station to a different location on the same premises..... $1.00
Moving a main station to premises which are already wired..... 2.00
Moving a main station to premises which are not wired..... 3.00
Private branch exchanges—Moving a part or all of a private branch exchange system, actual cost.
No charge is made under contracts for individual and party lines if the existing service has been used continuously at the same location for the full preceding year, or if the subscriber has paid the standard charges for all changes of location or equipment made during such preceding year, or if at the time of moving a contract is taken for a higher grade of service at an increased rate.

NEW ORLEANS, LA.

NET ANNUAL EXCHANGE RATES OF THE CUMBERLAND TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 17, 1914.

[The local service area embraced by this schedule includes New Orleans, Chalmotte, Algiers, Harveys Canal, McClellansville, Millenburg, Southport, and West End.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	Inward auxiliary line.	Extension station.
Business	$96.00	.....	$48.00	$12.00
Residence	48.00	$36.00	.....	12.00

Message rates.

Local messages per annum.	Individual line.	Additional local messages (cents).	Extension station.
Business:			
None	[1] $36.00	2	$12.00
1,000	[2] 60.00	2	12.00
Residence:			
1,000	[2] 42.00	2	12.00

[1] Fixed annual charge without messages.
[2] Quarterly guarantee of one-fourth of the contract number of "Local messages per annum."

Subscribers' coin-box rates.

	Guarantee.	Minimum charge.	Local messages[1] (cents).	Extension station.
Business, 1-party	3 local messages per day	$54.75	5	$12.00
Residence, 2-party	1⅔ local messages per day	30.42	5	12.00

[1] Refund of 2½ cents per message allowed on local message charges in excess of guarantee.

Short-term service: Short-term service and season service is furnished at 37 per cent of the annual rate for the class of service desired for the first 3 months or fraction thereof, plus 7 per cent of the annual rate for the class of service desired, for each month in excess of the first 3 months. For very short periods, as during illness, and in other cases where this rate would be excessive, approval is given to accept cancellations upon payment of regular charges for the period of service, minimum 1 month, plus a percentage of the installation and disconnection costs, determined by the ratio of the unexpired portion of the contract period to the full contract period, plus an estimated depreciation on equipment and material.
No. 1 private branch exchanges:
Commercial and department store—Flat rates (contracts are for periods of 3 years. The minimum installation includes 2 trunk lines)—
Switchboard, with battery power, ringing circuit, and an operator's telephone for each position—
Equipped for 20 lines or less..... $60.00
Equipped for 21 lines or more..... 120.00
Trunk lines, both-way, each..... 180.00
Trunk lines, incoming, each..... 90.00
Stations, each..... 12.00
Commercial and department store—Message rates—
Switchboard, with battery power, ringing circuit, and one operator's telephone for each position—
Equipped for 20 lines or less..... $36.00
Equipped for 21 lines or more..... 72.00
Trunk lines, both-way, with 83 local messages per month, each..... 60.00
Stations, each..... 12.00
Additional local messages, each..... 0.02

NEW ORLEANS, LA.—Continued.

No. 1 private branch exchanges—Continued.
Hotel and apartment house—Message rates—
Switchboard, cord or cordless, with one operator's telephone, 30 per cent of the cost, installed.
Trunk lines, both ways or incoming, each (the average number of originating local messages per month for each trunk line in service must be 200 or more before an additional trunk line will be furnished)..... $36.00
Stations, main or extension, each—
When company installs and maintains inside wiring..... 6.00
When subscriber installs and maintains inside wiring..... 4.00
Local messages.—One local message per month is allowed, without additional charge, for each 3 cents charged per month for trunk lines. No message allowance is included in charges for switchboard, stations, battery power, or ringing circuit. Additional local messages, each, 3 cents.
Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 12 cents per annum for each station, including operators' telephones. The maximum charge is 50 cents per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 120,000.
Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.
No. 2 private branch exchanges:
Business or residence—Flat rates (contracts are accepted for periods of either 1 or 3 years. Under 1-year contracts subscribers are required to pay the actual cost of cabling, including the cost of labor and material. Under 3-year contracts subscribers are only required to pay the actual cost of cabling in excess of 50 feet for any station, including the cost of labor and material. In all cases ownership of the cabling is vested in the company. The maximum equipment is that for 10 lines)—

	One-year contract.	Three-year contract.
Trunk lines, both-way, each:		
Business	$144.00	$144.00
Residence	72.00	72.00
Trunk lines, incoming, each:		
Business	72.00	72.00
Residence	36.00	36.00
Receiving station, with switching device	18.00	24.00
Stations, with switching device	12.00	15.00
Battery power and ringing circuit	15.00	15.00

Excess exchange line mileage (mileage charges are computed on route measurements).
Individual line—
First 1½ mile beyond the base-rate area—
Per half mile or fraction thereof..... $3.00
Beyond 1½ miles from the base-rate area:
Per mile or fraction thereof..... 15.00
Two-party line, per station—....
Beyond the base-rate area, per mile or fraction thereof..... 9.00
Five-party line, per station—
Beyond the base-rate area, per mile or fraction thereof (in connection with 2-party line base rate)..... 6.00
Extension-line mileage, per quarter-mile or fraction thereof, $7.50.
Extra directory listings, business or residence, $3.
Joint-user service, business or residence, $12.
Moving charges:
Individual line—
Moving within the same room..... $1.00
Moving within the same building..... 2.00
Moving to another building..... 3.00
Private branch exchanges..... Actual cost.

NEW YORK, N. Y.

NET ANNUAL EXCHANGE RATES OF THE NEW YORK TELEPHONE CO. IN EFFECT AUG. 20, 1914.

Note.—The rates and charges specified herein, applying to local exchange service under standard contracts on a message-rate basis and all equipment in connection therewith, are subject to a discount of 10 per cent. This discount shall not apply to charges for service or equipment furnished under obsolete flat or public telephone contracts; neither does it apply to toll charges or to mileage charges on lines which eliminate tolls.
New York City is divided by natural waterways into three geographical sections, namely, Manhattan and Bronx; Brooklyn and Queens; and Richmond. In the application of exchange rate schedules each of these three sections is treated separately. While the schedule areas and local service areas under different schedules, available within one of these geographical divisions of the city, may overlap or be superimposed one on another, as for instance under Schedules I, II, III, and IV in the Manhattan-Bronx division, in no case does a local service area or a schedule area include territory in two of the geographical divisions.
The map, included as the last sheet of this statement, illustrates the relative positions of these divisions and the red boundaries shown define "zones," into which the more highly developed sections of the city are further divided. These zones serve as an aid in limiting local service areas and schedule areas. In addition the zones, where in effect, serve as the basis for the application of interborough toll charges.
Eight schedules of rates for local exchange service, not including certain "locality rates," are in effect in New York City. For completeness all of these schedules are given below, but it should be noted that the Borough of Richmond, and much of the Borough of Queens (see map) are distinctly suburban in character, Richmond being largely rural; and that the rates applicable within these areas are generally comparable to those of other suburban sections not included within the limits of the city of New York, the rates for which are not stated herein.

NEW YORK, N. Y.—Continued.

SCHEDULE I.

Schedule I is available only, in that part of the Borough of Manhattan indicated on the map as Zone 1, and entitles subscribers to messages, without other charges, to all stations bearing the designation of a central office in Zones 1 or 2

Message rates.

Local messages per annum.	Business and residence, individual line.	Residence only, 2-party line.	Additional local messages (cents).	Both-way auxiliary line.	Extension station.
600	$48.00	$42.00	5	$30.00	$6.00
800	57.00	51.00	5		
1,000	66.00	60.00	5		
1,200	75.00	69.00	5		
1,500	87.00	78.00	5		
1,800	99.00		5		
2,100	111.00		5		
2,400	123.00		5		
2,700	135.00		5		
3,000	147.00		4		
3,300	156.00		4		
3,600	165.00		4		
3,900	174.00		4		
4,200	183.00		4		
4,500	192.00		4		
4,800	201.00		4		
5,100	210.00		4		
5,400	219.00		4		
5,700	228.00		4		

SCHEDULE II.

Schedule II is available only in those parts of the Boroughs of Manhattan and Bronx indicated on the map as Zone 2, and entitles subscribers to messages, without other charges, to all stations bearing the designations of a central office in Zones 1, 2, or 3.

Message rates.

Local messages per annum.	Business and residence, individual line.	Business and residence, 2-party line.	Residence only, 4-party line.	Additional local messages (cents).	Both-way auxiliary line.	Extension station.
600	$48.00	$42.00	$36.00	5	$30.00	$6.00
800	57.00	51.00		5		
1,000	66.00	60.00		5		
1,200	75.00	69.00		5		
1,500	87.00	78.00		5		
1,800	99.00			5		
2,100	111.00			5		
2,400	123.00			5		
2,700	135.00			5		
3,000	147.00			4		
3,300	156.00			4		
3,600	165.00			4		
3,900	174.00			4		
4,200	183.00			4		
4,500	192.00			4		
4,800	201.00			4		
5,100	210.00			4		
5,400	219.00			4		
5,700	228.00			4		

SCHEDULE III.

Schedule III is available only in that part of the Borough of the Bronx indicated on the map as Zone 3, and entitles subscribers to messages, without other charges, to all stations bearing the designation of a central office in Zones 2 and 3.

Flat rates.—See Schedule IV.

Message rates.

Local messages per annum.	Business and residence, individual line.	Business and residence, 2-party line.	Additional local messages (cents).	Both-way auxiliary line.	Extension station.
600	$48.00	$42.00	5	$30.00	$6.00
800	57.00	51.00	5		
1,000	66.00	60.00	5		
1,200	75.00	69.00	5		
1,500	87.00	78.00	5		
1,800	99.00		5		
2,100	111.00		5		
2,400	123.00		5		
2,700	135.00		5		
3,000	147.00		4		
3,300	156.00		4		
3,600	165.00		4		
3,900	174.00		4		
4,200	183.00		4		
4,500	192.00		4		
4,800	201.00		4		
5,100	210.00		4	30.00	6.00
5,400	219.00		4		
5,700	228.00		4		

NEW YORK, N. Y.—Continued.

SCHEDULE IV.

Schedule IV is available only in the Marble central office district, which serves the northern portion of Zone 2, and in the Kingsbridge, Williamsbridge, Woodlawn, Westchester, and City Island central office districts, which serve Zone 3. This schedule entitles subscribers to messages, without other charges, to all stations bearing the designations opposite the central office districts listed below:

Central office districts.	Local service to—
City Island	City Island and Westchester.
Kingsbridge	Kingsbridge, Marble, and Williamsbridge.
Marble	Marble, Kingsbridge, and Williamsbridge.
Westchester	Westchester and City Island.
Williamsbridge	Williamsbridge, Kingsbridge, Marble, and Woodlawn.
Woodlawn (only a part of the Woodlawn central office district is in New York City).	Woodlawn, Williamsbridge, and Mount Vernon (not in New York City).

Flat rates.

	Individual line.	2-party line.	4-party line.	Both-way auxiliary line.	Extension station.
Business	[1] $48.00	[1] $36.00			$6.00
Residence	36.00	30.00	$24.00	$27.00	6.00

[1] Not available in Woodlawn central office district.

Message rates.

Not quoted under this schedule. Message rates in Marble central office district shown under Schedule II and in other central office districts under Schedule III.

SCHEDULE V.

Schedule V is available only in Zones 5, 6, and 7, which cover the Borough of Brooklyn and certain parts of the Borough of Queens. This schedule, with mileage charges when applicable or certain locality rates in lieu thereof, entitles subscribers to messages, without other charges, to all stations bearing the designation of a central office in Zones 5, 6, or 7; and in addition to this local service area subscribers served from Zone 5 and from the Cypress central office in Zone 6 are entitled to messages without toll charges to Newtown and to Richmond Hill, respectively, in the Borough of Queens.

Flat rates.

Residence only—Individual line, $60; 2-party line, $48; both-way auxiliary line, $45; extension station, $6.

Message rates.

Local messages per annum.	Business and residence, individual line.	Business and residence, 2-party line.	Residence only, 4-party line.	Additional local messages (cents).	Both-way auxiliary line.	Extension station.
600	$48.00	$42.00	$36.00	5	$30.00	$6.00
800	57.00	51.00		5		
1,000	66.00	60.00		5		
1,200	75.00	69.00		5		
1,500	87.00	78.00		5		
1,800	99.00			5		
2,100	111.00			5		
2,400	123.00			5		
2,700	135.00			5		
3,000	147.00			4		
3,300	156.00			4		
3,600	165.00			4		
3,900	174.00			4		
4,200	183.00			4		
4,500	192.00			4		
4,800	201.00			4		
5,100	210.00			4		
5,400	219.00			4		
5,700	228.00			4		

SCHEDULE VI.

Schedule VI is available in 11 central office districts which serve the Borough of Queens excepting as included in Zones 5 and 6 (see map). This schedule, with mileage charges when applicable, entitles subscribers to messages without other charges to all stations bearing the designations opposite the central office districts listed below:

Central office districts.	Local service to—
Bayside	Bayside and Flushing.
Far Rockaway	Far Rockaway, Hammels, and Woodmere (not in New York City.)
Floral Park (only a part of the Floral Park central office district is in New York City).	Floral Park (only a part of the Floral Park central office district is in New York City).
Flushing	Flushing, Bayside, and Newtown.
Forest Hills	Forest Hills, Newtown, and Richmond Hill.
Hammels	Hammels and Far Rockaway.
Hollis	Hollis, Jamaica, Richmond Hill, and Springfield.
Jamaica	Jamaica, Hollis, Richmond Hill, and Springfield.
Newtown	Newtown, Astoria, Flushing, Forest Hill, and Hunters Point.
Richmond Hill	Richmond Hill, Forest Hills, Jamaica, and Cypress.
Springfield	Springfield, Hollis, and Jamaica.

NEW YORK, N. Y.—Continued.

SCHEDULE VI—Continued.

Flat rates.

	Individual line.	2-party line.	4-party line.	Both-way auxiliary line.	Extension station.
Business	$48.00	$36.00	[1] $30.00	$36.00	$6.00
Residence	36.00	30.00	[2] 24.00	27.00	6.00

[1] Available only in Floral Park (see map).
[2] Not available in Far Rockaway and Hammels (see map).

SCHEDULE VII.

This schedule is available to all subscribers in the Borough of Richmond and, with mileage charges when applicable, entitle such subscribers to messages, without other charges, to all stations bearing the designation of a Borough of Richmond central office.

Flat rates.

Residence only—Individual line, $42; 4-party line, $30; both-way auxiliary line, $31.50; extension station, $6.

Message rates (business only).

Local messages per annum.	Individual line.	2-party line.	4-party line.	Additional local messages (cents).	Both-way auxiliary line.	Extension station.
600	.....	$36.00	Guarantee of $2.50 per month in local messages at 5 cents each.	5	.....	$6.00
800	$48.00	45.00		5	$30.00	.....
1,000	54.00	51.00		5	.....	.....
1,200	60.00	57.00		5	.....	.....
1,500	66.00	63.00		5	.....	.....
1,800	72.00	69.00		5	.....	.....
2,100	78.00	75.00		4	.....	.....
2,400	84.00	.....		4	.....	.....
2,700	90.00	.....		4	.....	.....
3,000	96.00	.....		4	.....	.....
3,300	102.00	.....		4	.....	.....
3,600	108.00	.....		4	.....	.....
3,900	114.00	.....		4	.....	.....
4,200	120.00	.....		4	.....	.....
4,500	126.00	.....		4	.....	.....
4,800	132.00	.....		4	.....	.....
5,100	138.00	.....		4	.....	.....
5,400	144.00	.....		4	.....	.....
5,700	150.00	.....		4	.....	.....

SCHEDULE VIII.

This schedule is available only in the New Dorp and Tottenville central office districts of the Borough of Richmond (see map), and, with mileage charges when applicable, entitles subscribers to messages, without other charges, to all stations bearing the designations New Dorp or Tottenville.

Flat rates.

	Individual line.	2-party line.	4-party line.	Both-way auxiliary line.	Extension station.
Business	$48.00	.....	$36.00	.....	$6.00
Residence	36.00	$30.00	24.00	$27.00	6.00

Message rates.—Not quoted under this schedule. See Schedule VII.

No. 1 private branch exchanges.

No charges are made for the installation of No. 1 private branch exchanges, except where the installation is exceptionally expensive, as in reinforced concrete buildings, etc., or when the system is not likely to be reasonably permanent.

Schedule I applies exclusively in the Boroughs of the Bronx, Brooklyn, and Manhattan, and in that part of Queens known as Zone 5.

Schedule II applies only in that part of Queens not included in Zone 5.

Schedule III applies only in Richmond.

Schedule IV applies only in that part of Queens not included in Zone 5.

	Schedule I.	Schedule II.	Schedule III.
Switchboard, cord or cordless, with battery power, an operating telephone for each position, two both-way trunk lines, two stations, and the number of local messages indicated	$204.00	$156.00	$132.00
Local messages per annum	3,600	2,000	1,200
Additional trunk lines, both-way only, each	$24.00	$24.00	$24.00
Additional stations, main or extension, each	$6.00	$6.00	$6.00
Additional local messages, each	$0.04	$0.04	$0.04
If contracted for in advance in lots of	400	400	300
Each	$0.03	$0.03	$0.03
Ringing circuit	No additional charge.	[1] $24.00	[1] $24.00

[1] No additional charge if subscriber contracts for either 3,500 local messages or 20 stations.

NEW YORK, N. Y.—Continued.

SCHEDULE IX.

This schedule applies to hotels, apartment houses, clubs, and locations of similar nature.

Switchboard, with battery power and an operating telephone for each position $36.00

Stations, main or extension, each (no station charge is made for stations, including booth equipment, placed in public corridors for the use of the general public) 6.00

Trunk lines, both-way only, no additional charge.

Local messages, public telephone rate.

Ringing circuit (no additional charge if subscriber contracts for 20 stations). 24.00

No. 1 residence system:

Flat rates and message rates (an installation charge is made to cover the cost of construction of all circuits between stations, including labor and materials)—

Trunk lines, both-way only, each, individual-line rate less $6. (Under message-rate contracts the charge for the initial trunk line includes the right to send in one year the number of local messages specified under the individual-line schedule, with charges for additional local messages as provided in said schedule. Additional message-rate trunk lines are charged for at the auxiliary-line rate.)

Stations with switching device, each—

Capacity, 10 lines $12.00
Capacity, 20 lines 15.00
Capacity, 30 lines 18.00

Stations without switching device, each 6.00

Short-term service:

Individual and party lines—

Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than one year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for 1 month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Message rates.—When the number of messages under a message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message rate schedule for the period of use.

Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in one year.

Extension stations: The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

NEW YORK, N. Y.—Continued.

SCHEDULE IX—Continued.

Private branch exchanges:

Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.

Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.

Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.

Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals, or exceeds, the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in one year.

Season service:

In Far Rockaway and Hammels the minimum rate for individual line, party-line, private branch exchange trunk line, mileage charge or miscellaneous charges for business or residence service furnished during any portion of the season period from June 1 to September 30, inclusive, is the short-term rate for 7 months. This does not apply to extension stations, private branch exchange stations, or switchboards.

In Sea Gate (a part of Coney Island) the minimum rate for business or residence service during any portion of the season period from June 1 to September 30, inclusive, is the short-term rate for 7 months.

Excess exchange line mileage (no excess exchange line mileage is charged in the Boroughs of Manhattan, the Bronx, or Brooklyn. In Hammels, in the Borough of Queens, certain locality rates are in effect in lieu of mileage charges. In other portions of Queens and in Richmond mileage charges are computed on air-line measurements for distances beyond a base-rate area and within 2½ miles of a central office or rate center, and on route measurements beyond this radial distance):

NEW YORK, N. Y.—Continued.

SCHEDULE IX—Continued.

Excess exchange line mileage—Continued.

Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof	$9.00
Two-party line, per station, per quarter-mile or fraction thereof	4.50
Four-party line or four-plus-party line, per station, per quarter-mile or fraction thereof	2.25

Extension and tie-line mileage (charges are computed on route measurements):

For submarine cable less than 200 feet in length, regular mileage charges apply.

For submarine cable 200 feet or more in length, 2½ cents per linear foot per annum is charged, except for North River and East River cable crossings, for which the following rates apply:

North River—First circuit, $180; additional circuits, each, $150.

East River—First circuit, $150; additional circuits, each, $120.

In computing mileage, the total length of all extension and tie lines is used, for which the same rate or scale of rates apply, and which radiate from the same private branch exchange switchboard, or from two or more switchboards contracted for by the same subscriber and connected by tie lines.

Extension and tie lines—

Between points in the same local area, per quarter-mile or fraction (does not apply in the Boroughs of Manhattan and the Bronx)	$7.50

Between points in different local areas (applies in the Boroughs of Manhattan and the Bronx between points in either the same or different local areas)—

First 5 miles, per quarter-mile or fraction thereof	$12.00
Next 5 miles, per quarter-mile or fraction thereof	9.00
Next 5 miles, per quarter-mile or fraction thereof	6.00
Each additional quarter-mile or fraction thereof	9.00

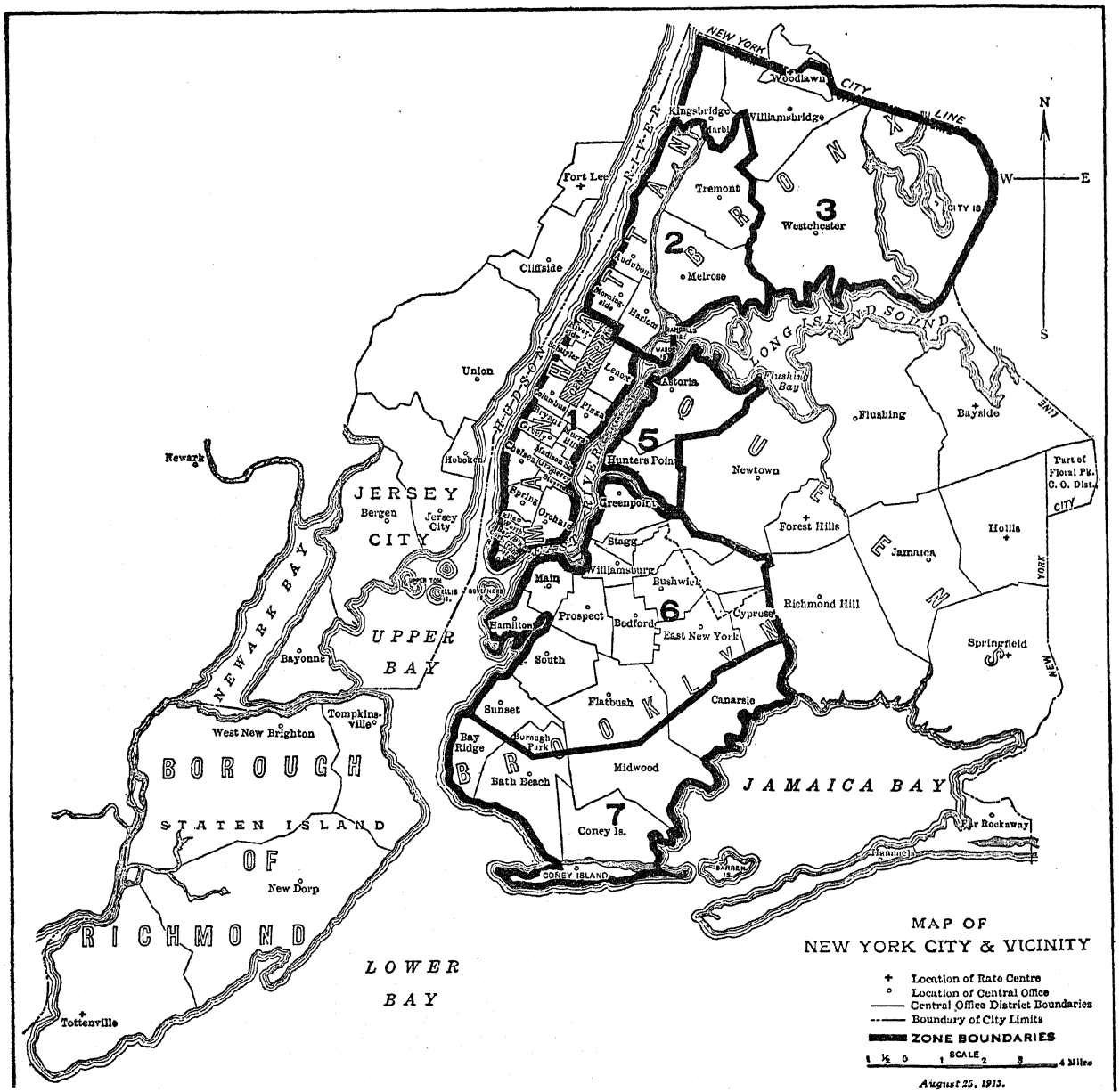
The following charges apply to tie lines between switchboards located in the same building—

Where both switchboards are contracted for by the same subscriber—

Installation charge for 600 feet or less	$5.00
Installation charge for each 100 feet or fraction thereof over 600 feet	2.00

Where the switchboards are contracted for by different subscribers, the minimum annual charge corresponds to the one-quarter-mile charge under the tie line mileage schedule.

Extra directory listings, business or residence, $3.



NEW YORK, N. Y.—Continued.

SCHEDULE IX—Continued.

Moving charges:
Individual or party-line main or extension station or No. 1 private branch exchange station—
Inside move, no charge.
Outside move, during first year or within one year from last free move—
Main station moved independently $3.00
Main station moved in conjunction with and to same address as switchboard 1.00
Extension station moved independently of main station 3.00
Extension station moved in conjunction with and to same address as main station 1.00
Private branch exchange switchboards—
Inside move during first year or within one year from last free move:

	Same room.	Another room.
Cordless, 10 lines or less	$5.00	$8.00
Cord board, 40 lines or less	10.00	18.00
Cord board, over 40 lines	Estimated cost.	

Outside move during first year or within one year from last free move—
Cordless, 10 lines or less $10.00
Cord board, 40 lines or less 18.00
Cord board, over 40 lines ..... Estimated cost.
No. 1 residence systems, first or subsequent years, estimated cost.

NIAGARA FALLS, N. Y.

NET ANNUAL EXCHANGE RATES OF THE NIAGARA COUNTY HOME TELEPHONE CO. IN EFFECT MAY 1, 1913.

Individual and party-line service:

	Individual line.	Party line.
Business	$48.00	$36.00
Residence	36.00	18.00

The above is unlimited local service—either wall or desk set.

Extension station located in same building as main station. Wall or desk set instrument, connected only to exclusive line service $12.00
Extension bell connected in same building with instrument 2.00
Extra listing in the company's official directory 2.00
Rural or multiparty service. Hotel type wall set only, may be nonselective. 15.00

NORFOLK, VA.

NET ANNUAL EXCHANGE RATES OF THE CHESAPEAKE & POTOMAC TELEPHONE CO. OF VIRGINIA IN EFFECT AUG. 18, 1914.

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Extension station.
Business	$60.00	$48.00	$48.00	$12.00
Residence	36.00	24.00	24.00	6.00

Message rates.[1]

Local messages per annum.	Individual line.	2-party line.	4-party line.	Additional local messages (cents).	Extension station.
Business:					
1,200	$36.00	$36.00	$36.00	3	$6.00
Limit of charge per month	6.00	5.00	5.00		
Residence:					
600			18.00	3	6.00
Limit of charge per month			3.00		

[1] Monthly guarantee of one-twelfth of the contract number of "Local messages per annum."

Private branch exchange service:
No. 1 private branch exchanges—
Commercial and department store—Flat rates—
Switchboard, cord or cordless, with one operator's telephone, $1 for each station connected, minimum charge, $24.
Trunk lines, both-way, each $90.00
Trunk lines, incoming, each 45.00
Stations, main or extension, each 12.00
Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 36 cents per annum for each station, including operators' telephones. The maximum charge is $2 per annum per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 30,000.
Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.
Commercial and department store—Message rates—
Switchboard, cord or cordless, with one operator's telephone, $1 for each station connected, minimum charge, $24.
Trunk lines, both-way, each $48.00
Trunk lines, incoming, each 36.00
Stations, main or extension, each 6.00

NORFOLK, VA.—Continued.

Private branch exchange service—Continued.
No. 1 private branch exchanges—Continued.
Commercial and department store—Message rates—Continued.
Local messages.—One local message per month is allowed, without additional charge, for each 3 cents charged per month for switchboard, stations, and trunk lines. Additional local messages, each, 3 cents.
Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 36 cents per annum for each station, including operators' telephones. The maximum charge is $2 per annum per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 30,000.
Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.
Hotel and apartment house.—Message rates—
Switchboard, cord only, with an operator's telephone for each position $30.00
Trunk lines, both-way only, no additional charge.
Stations, main or extension, each (no charge is made for stations, including booth equipment, placed in public corridors for the use of the general public) 6.00
Local messages, each, public-telephone rate less 20 per cent.
Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 36 cents per annum for each station, including operators' telephones. The maximum charge is $2 per annum per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 30,000.
Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.
No. 2 private branch exchanges—Flat rates—(contracts are accepted for periods of either 1 or 3 years. Under 1-year contracts subscribers are required to pay the actual cost of cabling, including labor and material. The equipment furnished is that for 10 lines)—

	One-year contract.	Three-year contract.
Trunk lines, both-way, each	$90.00	$90.00
Receiving station, with switching device	18.00	24.00
Stations, with switching device, each	12.00	15.00
Battery power and ringing circuit	15.00	15.00

Short-term service:
Individual and party lines—
Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than one year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month	2 months	3 months	4 months	5 months	6 months
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months	8 months	9 months	10 months	11 months	12 months
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

NORFOLK, VA.—Continued.

Short-term service—Continued.

Note.—The minimum charge is for 1 month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Message rates.—When the number of messages under a message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.

Note.—Subscribers are privileged to supersede message rate contracts by flat-rate contracts for the same or a higher grade of service, effective from th beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in one year.

Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

Private branch exchanges:

Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.

Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.

Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.

Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals, or exceeds, the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in one year.

Excess exchange-line mileage (charges are computed on air-line distances beyond the base-rate area. On 2 and 4 party lines the charge is prorated between the subscribers. Under message-rate contracts one local message per month is allowed, without additional charge, for each 3 cents per month of the mileage charge), per quarter-mile or fraction thereof, $5.

Extension and tie-line mileage (under message-rate contracts, one local message per month is allowed, without additional charge, for each 3 cents per month of the mileage charge), per quarter-mile or fraction thereof, route measurement, $5.

Extra directory listings (under message-rate contracts, one local message per month is allowed, without additional charge, for each 3 cents per month charged for extra listings), business or residence, $3.

Joint-user service (under message-rate contracts, one local message per month is allowed, without additional charge, for each 3 cents per month charged for joint-user service):

	Individual line.	2 or 4 party line.
Flat rates:		
Business	$24.00	$18.00
Residence	12.00	6.00
Message rates:		
Business	12.00	12.00
Limit of charge per month	2.00	2.00
Residence		6.00
Limit of charge per month		1.00

Moving charges:

Individual or party line, main or extension station, or No. 1 private branch exchange station, during the first year or within 1 year from the last free move—

Inside move	$1.00
Outside move—	
Main station moved independently	3.00
Main station moved in conjunction with and to same address as switchboard	1.00
Extension station moved independently	3.00
Extension station moved in conjunction with and to same address as main station	1.00

Private branch exchange switchboards, during the first year or within 1 year from the last free move—

	Same room.	Another room.
Inside move—		
Cordless switchboard, 10 lines or less	$5.00	$8.00
Cord switchboard, 40 lines or less	10.00	18.00
Cord switchboard, over 40 lines	At cost.	At cost.
Outside move—		
Cordless switchboard, 10 lines or less		$10.00
Cord switchboard, 40 lines or less		18.00
Cord switchboard, over 40 lines		At cost.
Trunk line, tie line, or outside extension line (switchboard terminal)		$3.00

No. 2 private branch exchanges, during the first or subsequent years, at cost.

NORTH BRANCH, MINN.

NET ANNUAL RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

City and rural-line service:

	Individual line.	Rural line.
Business	$24.00	$24.00
Residence	18.00	15.00

Business, summer season	$15.00
Residence, summer season	10.00
Extension station	6.00

Rural connecting companies $2.50 per circuit per month and 10 cents each for all stations in excess of 10 to a circuit.

OAKLAND, CAL.

NET ANNUAL EXCHANGE RATES OF THE PACIFIC TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1912.

Individual and party-line service:

SCHEDULE I.

[The local service area includes Oakland, Alameda, and Berkeley.]

Flat rates.

	Individual line.	2-party line.	Auxiliary line.	Extension station.
Business	$84.00	$54.00	Inward, $36.00; Both-way, 72.00	$12.00
Residence	36.00	Wall set, $27.00; Desk set, 30.00		(1)

[1] Wall set without bell, $6; with bell, $7.80. Desk set without bell, $9; with bell, $12.

Message rates (business only, on monthly guarantee basis).

Local messages per annum.	Individual line.	Additional local messages (cents).	Both-way auxiliary line.	Extension station.
960	$48.00	2½	$30.00	$12.00
1,500	60.00	2		

Subscribers' coin-box rates.

	Guarantee (on monthly basis).	Minimum charge.	Local messages (cents).	Extension station.
Business, 1-party	3 local messages per day	$54.75	[1] 5	$12.00
Residence, 1-party	1½ local messages per day	27.38	[1] 5	(2)
Residence, 4-party	1 local message per day	18.25	[3] 5	(2)

[1] Refund of 2½ cents per message on local message charges in excess of guarantee.
[2] Wall set without bell, $6; with bell, $7.80; Desk set without bell, $9; with bell, $12.
[3] Refund of 1 cent per message on local message charges in excess of guarantee.

SCHEDULE II.

This schedule is available in that section of Oakland served by the Chinatown central office, and entitles subscribers to local service to Chinatown stations.

Flat rates.—Business and residence individual line, $24.

Individual and party line short-term service:

Flat rates—

Three months' contracts, double regular rate for period of service.

Three to six months' contracts, regular rate for period of service plus 50 per cent.

Six to nine months' contracts, regular rate for period of service plus 25 per cent.

Message rates, regular contract rate for period of service plus $4.

Rural line service (suburban service):

Business	$36.00
Residence	30.00

The company builds circuits up to 5 miles from the central office provided there is an average of 2 or more stations per mile of circuit. Beyond 5 miles the subscribers pay part or all of the construction cost.

No. 1 private branch exchanges:

Commercial and department store—Flat rates (an installation charge is made if the contract period is less than three years. Contracts are not accepted for less than 2 trunk lines and 4 stations, excluding operators' telephones)—

Switchboard, cordless, with battery power, ringing circuit, and an operator's telephone—

Capacity 2 trunks, 4 lines	$30.00
Capacity 3 trunks, 7 lines	39.00

OAKLAND, CAL.—Continued.

No. 1 private branch exchanges—Continued.
Commercial and department store—Flat rates—Continued.
Switchboard, cord, with battery power, ringing circuit, and an operator's telephone for each position, per position $60.00
First trunk line, both-way 108.00
Additional trunk lines, both-way, each 81.00
Trunk lines, incoming, each 36.00
Trunk lines, outgoing, each 84.00
Stations, each 12.00
Hotel—Flat rates (contracts are not accepted for a period of less than 3 years nor for less than 2 trunk lines. Subscribers contract for an additional trunk line for each 25 stations or fraction thereof connected, in excess of 50. Subscribers furnish wiring between the switchboard and stations)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, equipped for 15 lines $24.00
Additional switchboard equipment, for each group of five lines or fraction thereof 2.40
First trunk line, both-way 108.00
Additional trunk lines, both-way, each 81.00
Trunk lines, incoming, each 36.00
Trunk lines, outgoing, each 84.00
Stations, not in guest rooms, wall or desk, each 12.00

Stations, in guest rooms, each—	Desk set.	Wall set.
1 to 10	$9.00	$6.00
11 to 20	8.40	5.40
21 to 35	7.80	4.80
36 to 50	7.20	4.20
Over 50	6.00	3.00

Apartment house—Flat rates (contracts are not accepted for a period of less than 3 years nor for less than 50 stations, excluding operator's telephones. Subscribers furnish wiring between the switchboard and stations)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position $24.00
Trunk lines, both-way, each 72.00
Trunk lines, incoming, each 24.00
Trunk lines, outgoing, each 48.00
Stations, each, wall set, $3; desk set, $6.
Commercial and department store—Message rates (an installation charge is made if the contract period is less than 3 years. Contracts are not accepted for less than 2 trunk lines and 4 stations, excluding operators' telephones)—
Switchboard, cord only, with battery power, ringing circuit, an operator's telephone for each position, two both-way trunk lines, and 3,000 local messages per annum (on a monthly basis) $120.00
Additional trunk lines, both-way, each 24.00
Stations, each—
1 to 20 ..... 9.00
Over 20 ..... 6.00
Additional local messages, each 2 cents.
Hotel—Message rates (contracts are not accepted for periods of less than 3 years. Subscribers furnish wiring between the switchboard and stations)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, no additional charge.
Trunk lines, both-way only, no additional charge.
Stations, not in guest rooms, wall or desk, each, $12.

Stations, in guest rooms, each—	Desk set.	Wall set.
1 to 10	$9.00	$6.00
11 to 20	8.40	5.40
21 to 35	7.80	4.80
36 to 50	7.20	4.20
Over 50	6.00	3.00

Local messages, each, 2½ cents.
Apartment house—Message rates (contracts are not accepted for a period of less than 3 years nor for less than 50 stations, excluding operators' telephones. Subscribers furnish wiring between the switchboard and stations)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, no additional charge.
Trunk lines, both-way only, no additional charge.
Stations, each—Wall set, $3; desk set, $6.
Local messages, each, 2 cents.

No. 2 private branch exchanges—Business—Flat rates (under 3-year contracts an installation charge is made to cover the cost of cable in excess of 300 feet. Under 1-year contracts an installation charge is made to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 2 both-way trunk lines and 4 stations):
Receiving station, with switching device, battery power, and ringing circuit—
Equipped for 10 lines $24.00
Equipped for 20 lines 27.00
Equipped for 30 lines 30.00
First both-way trunk line 108.00
Additional trunk lines, both-way, each 81.00
First outgoing trunk line 84.00
Additional trunk lines, outgoing, each 63.00
Trunk lines, incoming, each 36.00
Stations, with switching device—
Equipped for 10 lines 15.00
Equipped for 20 lines 18.00
Equipped for 30 lines 21.00

No. 1 residence systems—Flat rates (an installation charge is made to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 3 stations):
Receiving station, with switching device, battery power, ringing circuit, and one both-way trunk line—
Equipped for 10 lines $48.00
Equipped for 20 lines 51.00
Equipped for 30 lines 54.00
Additional trunk lines, both-way, each 24.00
Stations, with switching device, each—
Equipped for 10 lines 9.00
Equipped for 20 lines 12.00
Equipped for 30 lines 15.00

No. 2 private branch exchanges—Business—Message rates (under 3-year contract an installation charge is made to cover the cost of cable in excess of 300 feet. Under 1-year contracts an installation charge is made to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 4 stations):
Receiving station, with battery power, ringing circuit, necessary outgoing trunk lines, 1 incoming trunk line, and 3,000 local messages per annum (on a monthly basis)—
Equipped for 10 lines $108.00
Equipped for 20 lines 111.00
Equipped for 30 lines 114.00
Additional trunk lines, incoming, each 36.00

OAKLAND, CAL.—Continued.

No. 2 private branch exchanges—Business—Message rates—Continued.
Stations, with switching device, each—
Equipped for 10 lines $12.00
Equipped for 20 lines 15.00
Equipped for 30 lines 18.00
Additional local messages, each 0.02
Excess exchange line mileage (mileage charges are computed on route measurements beyond city limits):
Individual line, per quarter-mile or fraction thereof $6.00
2-party line, per station, per quarter-mile or fraction thereof 4.20
4-party line, per station, per quarter-mile or fraction thereof 3.00
Extension line mileage (mileage charges are computed on route measurements) extension lines, per quarter-mile or fraction thereof, $6.
Extra directory listings:
Business or residence, each $3.00
Hotel, names of guests, each 6.00
Joint-user service:
Flat rates, business only 18.00
Message rates or subscribers' coin-box rates 3.00
Moving charges (no charge is made for moving station equipment in case the initial contract period has expired, if the subscriber signs a new contract). Except as noted, the following charges apply:
Moving a station to another location—
In the same room $1.00
In the same building 2.00
In another building 3.50

OGILVIE, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Business station, individual line $18.00
Residence station, individual line 12.00
Rural connecting companies, $2.50 per circuit per month and 10 cents each for all stations in excess of 10 to a circuit.

OKLAHOMA CITY, OKLA.

NET ANNUAL EXCHANGE RATES OF THE PIONEER TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 22, 1914.

Individual and party-line service (flat rates):

	Individual line.	2-party line.	Extension station.
Business	$49.20	$41.40	$12.00
Residence	26.40	24.00	6.00

No. 1 private branch exchanges:
Commercial and department store—Flat rates (contracts are not accepted for less than 3 stations, excluding operators' telephones)—
Switchboard, cord or cordless, with battery power, ringing circuit and an operator's telephone for each position (an additional charge of $24 per annum is made if subscriber contracts for only one trunk line) $20.00
Trunk lines, both-way only, each 49.20
Stations, each 12.00
Hotel and apartment house—Flat rates (contracts are not accepted for less than 50 transient hotel stations or 40-family hotel or apartment-house stations, excluding operators' telephones)—
Switchboard, cord or cordless, with battery power, ringing circuit and an operator's telephone for each position $20.00
Trunk lines, outgoing, each 172.20
Trunk lines, incoming, no additional charge.
Stations, each 3.00
Hotel—Message rates (this schedule applies only to the larger hotels)—
Switchboard, cord or cordless, with battery power, ringing circuit and an operator's telephone for each position, no additional charge.
Trunk lines, incoming or outgoing, no additional charge.
Stations, each, $3.
Local messages, each, 2½ cents.
Excess exchange line mileage (charges are computed on air-line distances beyond 1 mile from the central office):
Individual line, per half-mile or fraction thereof $3.00
Party line, per station, per half-mile or fraction thereof 1.80
Extension and tie-line mileage (charges are computed on the shortest street distances), per half-mile or fraction thereof, $12.
Extra directory listings:
Business, each 6.00
Residence, each 3.00
Moving charges (moves are made without charge, provided subscriber has had service at the same location for at least one year). Except as noted the following charges apply for moving station equipment:
Inside move $0.50
Outside move 1.00

OMAHA, NEBR.

NET ANNUAL EXCHANGE RATES OF THE NEBRASKA TELEPHONE CO. IN EFFECT AUG. 11, 1914.

SCHEDULE I.

This schedule, with mileage charges when applicable, entitles subscribers to messages, without other charges, to all stations bearing the designation of a Benson, Florence, or Omaha central office.

	Individual line.	2-party line.	Inward auxiliary line.	Extension station.
Flat rates:				
Business	$72.00	$54.00	$36.00	$12.00
Residence	30.00	24.00	.....	6.00

OMAHA, NEBR.—Continued.

SCHEDULE II.

This schedule, with mileage charges when applicable, entitles subscribers to messages, without other charges, to all stations bearing the designation of a Bellevue, Benson, Florence, Omaha, Rallston, or South Omaha central office.

	Individual line.	2-party line.	Inward auxiliary line.	Extension station.
Flat rates:				
Business	$84.00	$66.00	$42.00	$12.00
Residence	36.00	30.00	.....	Desk set, 12.00 Wall set, 6.00

Individual and party-line short-term service.—The charge is the proportionate part of the annual rate for the class of service employed, plus the cost of installation and disconnection.
Rural line service, business or residence, $24.
Private branch exchange service:
No. 1 private branch exchanges—
Commerical and department store—Flat rates (an installation charge is made if the contract period is less than 5 years. Contracts for cord switchboards are not accepted for less than 5 stations, excluding operators' telephones. Contracts for multiple switchboards are not accepted for less than 100 stations, excluding operators' telephones)—
Switchboard, cordless, with battery power, ringing circuit and operator's telephone, no additional charge.
Switchboard, cord, nonmultiple, with battery power, ringing circuit, and an operator's telephone, one position, maximum capacity 80 lines, no additional charge.
Additional equipment, per position, including operator's telephone.. $72.00
Switchboard, cord, multiple, with battery power, ringing circuit, and an operator's telephone for each position, per connected line..... 6.00
Trunk lines, both-way, each..... 84.00
Trunk lines, incoming, each..... 36.00
Stations, connected with nonmultiple or cordless switchboards, each—
First 10..... 18.00
11 to 20..... 15.00
21 to 50..... 12.00
Over 50..... 9.00
Stations, connected with multiple switchboard, each (applies only to stations located in the same building as the switchboard. For stations located outside of the building the rate is $12 each, plus mileage charges)..... 6.00
Family hotel and apartment house—Flat rates (contracts are not accepted for a period of less than 5 years)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, no additional charge.
Trunk lines, both-way, each..... $84.00
Trunk lines, incoming, each..... 36.00
Stations, each..... 6.00
Transient hotel—Message rates (subscribers bear the cost of wiring. Contracts are not accepted for a period of less than 5 years nor less than 2 trunk lines, one incoming and one outgoing, and 25 stations, excluding operators' telephones)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, no additional charge.
Trunk lines, incoming, each, $42.
Trunk lines, outgoing, no additional charge.
Stations, each, $3.
Local messages, each, 2½ cents.
No. 2 private branch exchanges—
Business and residence—Flat rates (contracts are not accepted for a period of less than 5 years nor for less than 5 stations. The maximum equipment furnished consists of 20 lines)—
Trunk lines, both-way, each—
Business..... $84.00
Residence..... 36.00
Trunk lines, incoming, each—
Business..... 42.00
Residence..... 18.00
Stations, with switching device, each—
Business—
First 10..... 18.00
Over 10..... 15.00
Residence..... 9.00
Excess exchange line mileage (mileage charges are computed on air-line measurements, beyond 2 miles from the central office):
Individual line, per quarter-mile or fraction thereof..... $5.00
Two-party line, per station, per quarter-mile or fraction thereof..... 3.00
Extension line mileage, per quarter-mile or fraction thereof, air-line distance, 7.50
Extra directory listings, per directory issue, each, $1.
Joint-user service:
Business..... 18.00
Residence..... 6.00
Moving charges:
Individual and party lines.—One move each year without charge; additional moves inside or outside, $1.50.
Private branch exchanges, actual cost.

ORTONVILLE, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Business station, individual line..... $24.00
Residence station, individual line..... 12.00
Rural connecting companies $2.50 per circuit per month and 15 cents each for all stations in excess of 10 to a circuit.

PADUCAH, KY.

NET ANNUAL EXCHANGE RATES OF THE PADUCAH HOME TELEPHONE & TELEGRAPH CO. IN EFFECT JULY 21, 1914.

Individual and party-line service:

	Individual line.	2-party line harmonic.	4-party line harmonic.	Extension station.	Extension bell.
Business	$30.00	$27.00	$24.00	$12.00	$6.00
Residence	18.00	15.00	12.00	6.00	3.00

Rural line service:

	Individual line.	Party line.
Business	$30.00	$30.00
Residence	18.00	18.00

Additional charge of $3 per mile for each mile distant from city limits.
Private branch exchange service:
Trunks..... $30.00
Stations..... 9.00
Subscriber furnishes private branch exchange operator without cost to company.
Intercommunicating sets:
Trunks..... $30.00
Stations..... 12.00

PASSAIC, N. J.

NET ANNUAL EXCHANGE RATES OF THE NEW YORK TELEPHONE CO. IN EFFECT AUG. 20, 1914.

[The local service area includes Allwood, Athenia, Clifton, Delawana, Garfield, Lodi, Passaic, and Richfield.]

Individual and party-line service:

Flat rates.

Residence only—Individual line, $42; 2-party line, $36; 4-party line, $30; both-way auxiliary line, $31.50; extension station, $6.

Message rates (business only).

Local messages per annum.	Individual line.	2-party line.	4-party line.	Additional local messages (cents).	Both-way auxiliary line.	Extension station.
600	$42.00	$36.00	[1] $30.00	5	$30.00	$6.00
800	51.00	45.00	.....	5	.....	.....
1,000	60.00	.....	.....	4	.....	.....
1,000	.....	54.00	.....	5	.....	.....
1,200	66.00	.....	.....	3	.....	.....
1,200	.....	63.00	.....	4	.....	.....
1,500	72.00	.....	.....	3	.....	.....
1,500	.....	72.00	.....	4	.....	.....
1,800	[2] 78.00	.....	.....	3	.....	.....

[1] Guarantee of $2.50 per month in local messages at 5 cents each.
[2] Additional messages 2 cents each if contracted for in advance in lots of 300.

Private branch exchange service:
No. 1 private branch exchanges—Message rates—
Switchboard, cord or cordless, with battery power, an operator's telephone for each position, two both-way trunk lines, two stations, and 1,200 local messages per annum..... $132.00
Additional trunk lines, both-way, each..... 24.00
Additional stations, each..... 6.00
Additional local messages, each..... 0.03
If contracted for in advance in lots of 300, each..... 0.02
Ringing circuit (no additional charge is made for ringing circuit if the subscriber contracts for either 3,600 local messages or 20 stations).... 24.00
No. 1 residence systems—Flat rates (an installation charge is made, to cover the cost of circuits between stations, including labor and material)—
Trunk lines, both-way only, each..... 36.00
Stations, with switching device, each—
Capacity 10 lines..... 12.00
Capacity 20 lines..... 15.00
Capacity 30 lines..... 18.00
Stations, without switching device, each..... 6.00
Short-term service:
Individual and party lines—
Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than one year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

PASSAIC, N. J.—Continued.

Short-term service—Continued.
Individual and party lines—Flat rates—Continued.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for one month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Message rates.—When the number of messages under a message rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.

Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in one year.

Extension stations.—The charge is the proportionate part of the annual rate for the period of service, plus one-half the proportionate part of the annual rate for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

Private branch exchanges:

Switchboards.—The charge is the proportionate part of the annual rate for the period of service, plus one-half the proportionate part of the annual rate for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.

Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.

Stations, main or extension.—The charge is the proportionate part of the annual rate for the period of service, plus one-half the proportionate part of the annual rate for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.

PASSAIC, N. J.—Continued.

Private branch exchanges—Continued.

Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals, or exceeds, the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in one year.

Excess exchange line mileage (charges are computed on air-line distances beyond the base-rate area and within 2½ miles of the central office or rate center, and on route measurements beyond this distance):

Individual line, or private branch exchange trunk line, per quarter-mile or fraction thereof $9.00
Two-party line, per station, per quarter-mile or fraction thereof 4.50
Four-party line, per station, per quarter-mile or fraction thereof 2.25

Extension and tie-line mileage (charges are computed on route measurements), per quarter-mile or fraction thereof, $7.50.

Extra directory listings, business or residence, $3.

Moving charges:

Individual or party line, main or extension station or No. 1 private branch exchange station—
Inside move ..... No charge.
Outside move, during first year or within one year from last free move—
Main station moved independently $3.00
Main station moved in conjunction with and to same address as switchboard 1.00
Extension station moved independently of main station 3.00
Extension station moved in conjunction with and to same address as main station 1.00

Private branch exchange switchboards—
Inside move during first year or within 1 year from last free move—

	Same room.	Another room.
Cordless, 10 lines or less	$5.00	$8.00
Cord board, 40 lines or less	10.00	18.00
Cord board, over 40 lines	Estimated cost.	

Outside move during first year or within 1 year from last free move—
Cordless, 10 lines or less $10.00
Cord board, 40 lines or less 18.00
Cord board, over 40 lines ..... Estimated cost.

No. 1 residence systems: First or subsequent years, estimated cost.

PATERSON, N. J.

NET ANNUAL EXCHANGE RATES OF THE NEW YORK TELEPHONE CO. IN EFFECT AUG. 20, 1914.

[The local service area includes Paterson, Dundee Lake, Fair Lawn, Haledon, Hawthorne, North Paterson, and Warrenpoint.]

Individual and party-line service:

Flat rates.

Residence only—Individual line, $42; 2-party line, $36; 4-party line, $30; both-way auxiliary line, $31.50; extension station, $6.

Message rates (business only).

Local messages per annum.	Individual line.	2-party line.	4-party line.	Additional local messages (cents).	Both-way auxiliary line.	Extension station.
600	$42.00	$36.00	[1] $30.00	5	$30.00	$6.00
800	51.00	45.00	.....	5	.....	.....
1,000	60.00	.....	.....	4	.....	.....
1,000	.....	54.00	.....	5	.....	.....
1,200	66.00	.....	.....	3	.....	.....
1,200	.....	63.00	.....	4	.....	.....
1,500	72.00	.....	.....	3	.....	.....
1,500	.....	72.00	.....	4	.....	.....
1,800	[2] 78.00	.....	.....	3	.....	.....

[1] Guarantee of $2.50 per month in local messages at 5 cents each.
[2] Additional messages, 2 cents each if contracted for in advance in lots of 300.

Private branch exchange service:

No. 1 private branch exchanges—Message rates—
Switchboard, cord or cordless, with battery power, an operator's telephone for each position, two both-way trunk lines, two stations, and 1,200 local messages per annum $132.00
Additional trunk lines, both-way, each 24.00
Additional stations, each 6.00
Additional local messages, each 0.03
If contracted for in advance in lots of 300, each 0.02
Ringing circuit (no additional charge is made for ringing circuit if the subscriber contracts for either 3,600 local messages or 20 stations) 24.00

No. 1 residence systems—Flat rates (an installation charge is made, to cover the cost of circuits between stations, including labor and material)—
Trunk lines, both-way only, each $36.00
Stations, with switching device, each—
Capacity 10 lines 12.00
Capacity 20 lines 15.00
Capacity 30 lines 18.00
Stations, without switching device, each 6.00

PATERSON, N. J.—Continued.

Short-term service:
Individual and party lines—
Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than one year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for one month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Message rates.—When the number of messages under a message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.

Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in one year.

Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

Private branch exchanges:
Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.
Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.
Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.

PATERSON, N. J.—Continued.

Private branch exchanges—Continued.
Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals or exceeds the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in one year.
Excess exchange line mileage (charges are computed on air-line distances beyond the base rate area and within 2½ miles of the central office or rate center, and on route measurements beyond the distance):
Individual line, or private branch exchange trunk line, per quarter-mile or fraction thereof $9.00
Two-party line, per station, per quarter-mile or fraction thereof 4.50
Four-party line, per station, per quarter-mile or fraction thereof 2.25
Extension and tie-line mileage (charges are computed on route measurements), for quarter-mile or fraction thereof, $7.50.
Extra directory listings, business or residence, $3.
Moving charges:
Individual or party line, main or extension station, or No. 1 private branch exchange station—
Inside move ..... No charge.
Outside move, during first year or within one year from last free move—
Main station moved independently $3.00
Main station moved in conjunction with and to same address as switchboard 1.00
Extension station moved independently of main station 3.00
Extension station moved in conjunction with and to same address as main station 1.00
Private branch exchange switchboards—
Inside move during first year or within 1 year from last free move—

	Same room.	Another room.
Cordless, 10 lines or less	$5.00	$8.00
Cord board, 40 lines or less	10.00	18.00
Cord board, over 40 lines	Estimated cost.	

Outside move during first year or wtihin 1 year from last free move—
Cordless, 10 lines or less $10.00
Cord board, 40 lines or less 18.00
Cord board, over 40 lines ..... Estimated cost.
No. 1 residence systems: First or subsequent years, estimated cost.

PATTERSON, ILL.

NET ANNUAL EXCHANGE RATES OF THE ILLINOIS TELEPHONE CO. IN EFFECT DEC. 31, 1914.

Business $12.00
Business with extension on same line in same building 18.00
Residence 12.00
Residence with extension on same line in same building 18.00

PAWTUCKET, R. I.

NET ANNUAL EXCHANGE RATES OF THE PROVIDENCE TELEPHONE CO. IN EFFECT AUG. 20, 1914.

Individual and party-line service:

SCHEDULE I.

This schedule, with mileage charges when applicable, entitles subscribers to messages, without other charges, to all stations bearing the designation of a Pawtucket central office.

Flat rates.

	Individual line.	2-party line.	4-party line.	10-party line.	Inward auxiliary line.	Extension station.
Business	$66.00	$48.00	.....	[1] $24.00	$30.00	$9.00
Residence	48.00	36.00	$25.00	[1] 18.00	.....	6.00

[1] For stations more than 2 miles from a central office, with mileage charges.

Message rates.

Local messages per annum.	Individual line.	2-party line.	4-party line.	Additional local messages (cents).	Inward auxiliary line.	Extension station.
Business:						
600	$40.00	$33.00	$30.00	3	$30.00	$6.00
Residence:						
600	30.00	25.00	.....	3	.....	6.00

SCHEDULE II.

This schedule, with mileage charges when applicable, entitles subscribers to messages, without other charges, to all stations bearing the designation of a Pawtucket, Attleboro, Bristol, Centerdale, East Greenwich, East Providence, Greenwood, North Attleboro, Providence, Scituate, Valley, Warren, Warwick Neck, or Woonsocket central office.

PAWTUCKET, R. I.—Continued.

SCHEDULE II—Continued.

Flat rates.

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Extension station.
Business	$120.00	$96.00		$30.00	$9.00
Residence	100.00	80.00	$70.00		6.00

Message rates (business and residence).

Local messages per annum.	Individual line.	2-party line.	4-party line.	Additional local messages.	Inward auxiliary line.	Extension station.
500	$54.00	$44.00	$33.00	7 cents or $6 per 100	$30.00	$6.00
600	60.00	50.00	39.00	6 cents or 5 per 100		
700	65.00	55.00	44.00	5 cents or 4 per 100		
800	69.00	59.00	48.00	4 cents or 3 per 100		
900	72.00	62.00	51.00	3 cents		

Private branch exchange service:

Pawtucket in included in the Providence district, which includes the area within a radius of approximately 15 miles from Providence. Within the Providence district both local and district service is quoted. The cities and towns included within the respective local service areas are enumerated in connection with Schedules I and II under "Individual and party-line service." In some of the following schedules, the rate for trunk lines is shown as "Independent line local or district rate," in connection with which it is to be understood that either rate is available:

No. 1 private branch exchanges—

Commercial—Flat rates (this schedule entitles subscribers to local or district service depending upon the rates paid for trunk lines. Under 1-year contracts subscribers bear the expense, in excess of $5 per station, incurred in installing all equipment designed for connection with the exchange system. Under 3 or 5 year contracts installation charges are sometimes omitted in connection with equipment designed for exchange service, but subscribers provide suitable conduits or runways for inside wiring. Under contracts of any term, subscribers bear the total expense incurred in installing stations restricted to intercommunicating service. Contracts are for not less than 3 stations, including operators' telephones. One station is furnished without additional charge for each trunk line connected)—

Switchboard, with battery power and ringing circuit, without operators' telephones—

Cordless, capacity 3 trunks, 7 lines $15.00

Cord, nonmultiple, lamp or magnetic signals—

One position, capacity 10 trunks, 30 lines, equipped for—

20 lines or less 20.00

21 to 30 lines 40.00

One position, capacity 15 trunks, 80 lines, equipped for—

60 lines or less 40.00

61 to 80 lines 60.00

The same rates apply for each additional position.

Trunk lines, both-way, each—

Local service 66.00

District service 120.00

Trunk lines, incoming, each 30.00

Stations, main or extension, each—

Having exchange service 9.00

For intercommunicating purposes only 5.00

Commercial—Message rates (district service) (under 1-year contracts subscribers bear the expense, in excess of $5 per station, incurred in installing all equipment on the premises. Under 3-year or 5-year contracts, installation charges are sometimes omitted, but subscribers provide suitable conduits or runways for inside wiring. Contracts are for not less than 3 stations, including operators' telephones)—

Switchboard, with battery power and ringing circuit, without operators' telephones—

Cordless, capacity 3 trunks, 7 lines $15.00

Cord, nonmultiple, lamp or magnetic signals—

One position, capacity 10 trunks, 30 lines, equipped for—

20 lines or less 20.00

21 to 30 lines 40.00

One position, capacity 15 trunks, 80 lines, equipped for—

60 lines or less 40.00

61 to 80 lines 60.00

The same rates apply for each additional position.

Trunk lines, both-way only, each 30.00

Stations, main or extension, each 6.00

Messages, guarantee 600 per annum for each trunk line, each 0.03

Commercial—Message rates—With flat-rate trunk lines (flat-rate trunk lines may be connected with message-rate private branch exchanges, in which case, all of the rates and regulations apply which are given in connection with flat-rate private branch exchanges together with the following rates)—

Trunk lines, both-way, including with each trunk line the number of local messages per annum specified in the individual line schedule, each, individual line, business, local, or district rate.

Additional messages—Standard rates quoted in connection with the business individual line, local, or district schedules.

Department store—Message rates (district service) (subscribers bear the cost of all runways for wire or cable including molding and conduit. Contracts are for periods of not less than 5 years and for not less than 75 stations)—

Switchboard, cord only, with battery power and ringing circuit, no additional charge.

Trunk lines, both-way only, each, $24.

Stations, each, $6.

Messages, guarantee 50,000 per annum, each 3 cents. The local service area to subscribers within the Providence district includes points to which the public telephone charge is 10 cents. All messages to such points are included in computing the guarantee as to message use; if used in the conduct of the subscriber's business, these messages are charged at 3 cents each; if sold to patrons, they are charged to the subscriber at 5 cents each instead of at 3 cents each.

PAWTUCKET, R. I.—Continued.

SCHEDULE II—Continued.

Private branch exchange service—Continued.

No. 1 private branch exchanges—Continued.

Transient hotel, family hotel, and apartment house—Message rates (local service) (subscribers bear the cost of all runways for wire or cable, including molding and conduit. Contracts are for periods of not less than 5 years)—

Switchboard, cord only, with battery power and ringing circuit, without operators' telephones $36.00

Trunk lines, both-way only, each 24.00

Stations, each 6.00

Messages, guarantee 600 per annum with each trunk line, each 0.03

No. 2 private branch exchanges:

Business and residence—Flat rates (this schedule entitles subscribers to local or district service, depending on the rates paid for trunk lines. Under 1-year contracts subscribers bear the expense, in excess of $5 per station, incurred in installing all equipment designed for connection with the exchange system. Under 3-year or 5-year contracts, installation charges are sometimes omitted in connection with the equipment designed for exchange service, but subscribers are required to provide suitable conduits or runways for inside wiring. Under contracts of any term, subscribers bear the total expense incurred in installing stations restricted to intercommunicating service. There are no minimum requirements as to the amount of equipment. One station without switching device is furnished without additional charge for each trunk line connected)—

Trunk lines, both-way, each, business or residence, individual line, local or district rate.

Trunk lines, incoming, each, $30.

Stations, with switching device, each—	Business.	Residence.
Capacity 10 lines	$12.00	$9.00
Capacity 20 lines	15.00	12.00
Capacity 30 lines	15.00	12.00
Stations, without switching devices, each	9.00	6.00
Stations, for intercommunicating purposes only, each	5.00	5.00

Business and residence—Message rates (district service) (under 1-year contracts subscribers bear the expense, in excess of $5 per station, incurred in installing all equipment on the premises. Under 3-year or 5-year contracts installation charges are sometimes omitted, but subscribers provide suitable conduits or runways for inside wiring. There are no minimum requirements as to the amount of equipment)—

Trunk lines, both-way only, each $30.00

Stations, with switching device, each—

Capacity 10 lines 9.00

Capacity 20 lines 12.00

Capacity 30 lines 12.00

Stations, without switching device, each 6.00

Messages, guarantee 600 per annum with each trunk line, each 0.03

Business and residence—Message rates—With flat-rate trunk lines (flat-rate trunk lines may be connected with message-rate No. 2 private branch exchange systems, in which case all of the rates and regulations apply which are given in connection with flat-rate No. 2 private branch exchanges, together with the following rates)—

Trunk lines, both-way, including with each trunk line the number of local messages per annum specified in the individual line schedule, each, business or residence individual line local or district rate.

Additional messages—Standard rates quoted in connection with the business or residence individual line local or district schedules.

Short-term service:

Individual and party-line flat rates—

Six months or less, three-fourths annual rate; minimum rate, $18.

Each additional month, one-sixth of remaining one-fourth of annual rate.

Extension stations—

Six months or less, $6.

Each additional month, one-sixth of remaining portion, if any, of annual rate.

Private branch exchange flat-rate trunk lines and stations may be furnished under the above rates.

Excess exchange-line mileage (charges are computed on air-line distances beyond 2 miles from a central office, per quarter-mile or fraction thereof):

Individual line or P. B. X. trunk line $5.00

2-party line, per station 4.00

4-party line, per station 3.00

10-party line, per station 1.00

Extension and tie-line mileage (charges are computed on route measurements):

First half-mile or fraction thereof $10.00

Each additional quarter-mile or fraction thereof 5.00

Extra directory listings:

Name of partner, officer, or manager $3.00

Name of clerk 6.00

Member of subscriber's family 3.00

Joint-user service:

Flat rates, individual line, business—

Local service $42.00

District service 90.00

Message rates, individual or party line, business 6.00

Moving charges.—For moving within the initial contract period, subscribers pay actual cost. In connection with private branch exchange contracts, after expiration of the initial contract period, subscribers either contract for the ensuing contract period or pay actual cost.

PEORIA, ILL.

NET ANNUAL EXCHANGE RATES OF THE INTERSTATE INDEPENDENT TELEPHONE & TELEGRAPH CO. IN EFFECT MAY 12, 1914.

Individual and party-line service:

	Individual line.	2-party line.	4-party line.	Extension station.
Business	$39.96	$30.00		$12.00
Residence	24.00	18.00	$15.00	6.00

Miscellaneous service per station:

Railroad main line $24.00

Railroad party line 20.04

Churches 12.00

Intercommunicating system 12.00

Employees 12.00

Extension bells 3.00

Extension gongs 6.00

PEOTONE, ILL.

NET ANNUAL EXCHANGE RATES OF THE INTERSTATE INDEPENDENT TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1914.

Individual and party-line service:

	Individual line.	2-party line.	Extension station.
Business	$24.00	$24.00	$6.00
Residence	18.00	18.00	6.00

Miscellaneous service per station:

Rural	$18.00
Employees	9.00

PHILADELPHIA, PA.

NET ANNUAL EXCHANGE RATES OF THE BELL TELEPHONE CO. OF PENNSYLVANIA IN EFFECT AUG. 20, 1914.

In the city of Philadelphia two schedules of rates are in effect, referred to hereinafter as "Schedule I," which gives full city service, and "Schedule II," which gives service only within certain zones or neighborhood areas.

Schedule I is available to all subscribers within the city limits and, with mileage charges, to subscribers within certain communities which extend beyond the city limits. Subscribers to Schedule I rates are entitled to messages to all stations bearing the designation of any Philadelphia central office.

Schedule II is available in three zones or neighborhood areas in the outlying portions of the city, and certain adjoining communities which extend beyond the city limits. A subscriber to Schedule II rates is entitled to messages, without other charges, to all stations, whether under Schedule I or Schedule II rates, served by a central office within the zone or neighborhood in which the subscriber is located.

Individual and party-line service:

SCHEDULE I.

Flat rates.

Residence only—Individual line, $60; 2-party line, $48; extension station, $6.

Message rates.

Local messages per annum.	Individual line.	Additional local messages (cents).	Both-way auxiliary line.	Extension station.
Business—Retail rates:				
600	$48.00	5	$30.00	$6.00
800	57.00	5		
1,000	66.00	5		
1,200	75.00	5		
1,500	87.00	5		
1,800	99.00	5		
2,100	111.00	5		
2,400	[1] 120.00	5		
Business—Wholesale rates (no refund for unused messages):				
2,400	90.00	4	30.00	6.00
2,700	99.00	3		
3,300	114.00	3		
3,900	129.00	3		
4,500	144.00	3		
Business—Wholesale rates, including one auxiliary line (no refund for unused messages):				
4,800	162.00	3	30.00	6.00
5,400	177.00	3		
6,000	192.00	3		
6,600	207.00	3		
7,200	222.00	3		
7,800	237.00	3		
8,400	252.00	3		
9,000	267.00	3		
9,600	282.00	3		
10,200	297.00	3		
10,800	[2] 312.00	3		

[1] Additional local messages, $9 for 300 if contracted for in advance.
[2] Additional local messages, $12 for 600 if contracted for in advance and at least one auxiliary line be taken at regular rates for each 5,400 or less of such local messages.

Local messages per annum.	Individual line.	2-party line.	4-party line.	Additional local messages (cents).	Extension station.
Residence:					
360			[1] $24.00	5	$6.00
600	$48.00	$36.00		5	6.00
800	57.00	42.00		5	

[1] Guarantee of 30 local messages per month.

PHILADELPHIA, PA.—Continued.

Individual and party-line service—Continued.

SCHEDULE I—Continued.

Subscribers' coin-box rates.

	Fixed annual charge.	Local messages (cents).
Public places, 1-party	$30.00	5
Boarding houses, 2-party	18.00	5
Residences in Dickinson central office district, 4-party	12.00	5

SCHEDULE II (zone service).

Schedule II applies in certain sections of Philadelphia for service within defined zones, as follows: Northern zone, comprising the Chestnut Hill, Germantown, Manayunk, Oak Lane, and Roxborough central office districts. Eastern zone, comprising the Bustleton, Fox Chase, Frankford, Holmesburg, Somerton, Tacony, and Torresdale central office districts. Western zone, comprising the Baring, Belmont, Overbrook, Preston, and Woodland central office districts. The local service area covered by this schedule embraces the zone in which the subscriber is located. Messages to stations bearing the designation of other Philadelphia central offices are charged for at 5 cents each.

	Individual line.	2-party line.	4-party line.	Extension station.
Flat rates:				
Business	$90.00	$75.00		$6.00
Residence	36.00	30.00	[1] $24.00	6.00

[1] Does not apply in the Chestnut Hill central office district of the northern zone.

Private branch exchange service:

Business—Message rates—No. 1 or No. 2 private branch exchanges (the following schedule applies as described under "Schedule I." No. 2 private branch exchange equipment has a capacity of 10 lines)—

	Retail rates.	Wholesale rates.
Switchboard and an operator's telephone, or receiving station and switching devices, with battery and ringing power, two both-way trunk lines, 2 stations, and the number of local messages specified	$204.00	$318.00
Local messages per annum	3,600	9,600
Additional trunk lines, both-way, each	$24.00	$24.00
Additional stations, each	$6.00	$6.00
Additional local messages:		
If contracted for in advance in lots of	300	900
Each	$0.03	$0.02
If not contracted for in advance	$0.04	$0.03

Business—Flat rates—No. 1 or No. 2 private branch exchanges. (This schedule applies as described under "Schedule II." Contracts are for not less than 2 both-way trunk lines and 2 stations, exclusive of operator's telephone or receiving station. No 2 private branch exchange equipment has a capacity of 10 lines)—

Switchboard and an operator's telephone, or receiving station and switching device, with battery and ringing power	$24.00
Trunk lines, both-way, each	90.00
Stations, each	15.00

Residence—Flat rates—No. 2 private branch exchanges. (The equipment has a capacity of 10 lines)—

	Schedule I service.	Schedule II service.
Receiving station and switching devices, with one both-way trunk line and three additional stations	$108.00	$84.00
Additional trunk lines, both-way, each	60.00	36.00
Additional stations, each	6.00	6.00

Hotel—Message rates (contracts are not accepted for less than 20 stations, excluding operators' telephones, and telephones installed in public corridors for the use of the general public)—

Switchboard, cord only, with battery power, ringing circuit and an operator's telephone for each position, $36.

Trunk lines, both-way only (for flat-rate trunk lines, see the following paragraphs). No additional charge.

Stations, each (no additional charge is made for the stations installed in public corridors for the use of the general public), $6.

Local messages.—The subscriber, as the company's agent, charges patrons the regularly established public telephone rates for all local and toll messages, and receives a commission on all charges for messages originating at the private branch exchange system.

PHILADELPHIA, PA.—Continued.

SCHEDULE II (zone service)—Continued.

Private branch exchange service—Continued.

Hotel—Message rates—With flat-rate trunk lines—

In zone areas where business flat-rate service is quoted, flat-rate trunk lines may be connected with hotel message-rate private branch exchanges for use in connection with flat-rate business stations, which may be provided only for the use of officials and employees of the hotel. Under such an arrangement the flat-rate trunk lines terminate on special cords, the plugs of which do not fit the message-rate station jacks. Stations which are to have flat-rate service are equipped with two jacks to permit connections with either the flat-rate or message-rate trunk lines, and with any other private branch exchange station. Flat-rate trunk lines are not listed in directory.

Flat-rate trunk lines are charged for at the rates given under the standard schedules for business flat-rate private branch exchange service. The charges for the switchboard and for those stations which are equipped for connection with the flat-rate trunk lines, are equal to the sum of the respective standard rates which regularly apply under the business flat-rate and hotel message-rate schedules.

Short-term service:

Individual and party lines—

Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than 1 year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months	3 months	4 months	5 months	6 months
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months	8 months	9 months	10 months	11 months	12 months
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for 1 month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Message rates.—When the number of messages used under a retail message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the anual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.

Note.—Subscribers are privileged to supersede retail message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the scheduie rate for the messages used, as though such messages were used in 1 year. For contracts at wholesale message rates, under which no refund is made for unusual messages, the charges are such as to correspond with those made for service at retail message rates, except that: When the charge computed on the basis of the retail message-rate schedule is in excess of the annual rate to be paid under the contract for an equal or greater number of messages, the full annual rate provided for in the contract is charged. When the number of local messages used exceeds the contract allowance, the charge is the contract rate for the messages used, as though such messages were used in 1 year.

Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, the longest in service is assumed to be the one disconnected.

PHILADELPHIA, PA.—Continued.

SCHEDULE II (zone service)—Continued.

Private branch exchanges:

Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.

Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.

Stations, main or extension.—The charge is the proportionate part of the annual rate for the period of service, plus one-half the proportionate part of the annual rate for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate, Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.

Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals, or exceeds, the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in 1 year. For contracts at wholesale message rates, under which no refund is made for unused messages, the charges are such as to correspond with those made for service at retail message rates, except that: When the charge computed on the basis of the retail message rate schedule is in excess of the annual rate to be paid under the wholesale contract for the same equipment and an equal or greater number of messages, the full annual rate provided for in the contract is charged. When the number of local messages used exceeds the contract allowance, the charge is the wholesale contract rate for equipment and messages used, as though such messages were used in 1 year.

Excess exchange line mileage (charges are computed on air-line distances beyond the city limits):

Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof	$5.00
Two-party line, per station, per quarter-mile or fraction thereof	3.00
Four-party line, per station, per quarter-mile or fraction thereof	2.00

Extension and tie-line mileage (charges are computed on air-line measurements):

Extension lines, not over 300 feet	$6.00
Extension and tie lines—	
First mile, per quarter-mile or fraction threof	12.00
One to 2 miles, per quarter-mile or fraction thereof	10.50
Two to 3 miles, per quarter-mile, or fraction thereof	9.00
Three to 4 miles, per quarter-mile or fraction thereof	7.50
Over 4 miles—each additional quarter-mile or fraction thereof	6.00

Extra directory listings, business or residence, each, $3.

Joint-user service, business flat rate, individual or party line, one-half annual rate.

Moving charges:

Individual or party line, main or extension station, or No. 1 private branch exchange station, during the first year or within 1 year from the last free move—	
Inside move	$1.00
Outside move—	
Main station moved independently	3.00
Main station moved in conjunction with and to same address as switchboard	1.00
Extension station moved independently	3.00
Extension station moved in conjunction with and to same address as main station	1.00

Private branch exchange switchboards under annual contracts, during the first year or within 1 year from the last free move—

	Same room.	Another room.
Inside move—		
Cordless switchboard, 10 lines or less	$5.00	$8.00
Cord switchboard, 40 lines or less	10.00	18.00
Cord switchboard, over 40 lines	At cost.	At cost.
Outside move—		
Cordless switchboard, 10 lines or less		$10.00
Cord switchboard, 40 lines or less		18.00
Cord switchboard, over 40 lines		At cost.
Trunk line, tie line, or outside extension line (switchboard terminal)		2.00

No. 2 private branch exchanges, during the first or subsequent years, at cost.

PHILADELPHIA, PA.

NET ANNUAL EXCHANGE RATES OF THE KEYSTONE TELEPHONE CO. OF PHILADELPHIA IN EFFECT APR. 29, 1914.

Individual line—Unlimited service:	
Business	$90.00
Residence	48.00
Individual and party line—Limited service:	
Individual line, business or residence, 1,000 calls	50.00
Two-party line, business, 900 calls	39.00
Two-party line, residence, 900 calls	30.00
Additional messages, 3 cents each.	
Extensions:	
Station	6.00
Bells	2.00

PINE CITY, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Business station, individual line	$24.00 and $18.00
Residence station, individual line	18.00 and 12.00
Business, summer season	15.00
Residence, summer season	10.00
Extension station	6.00
Rural stations	$18.00, $15.00, and $12.00

Rural connecting companies $2.50 per circuit per month and 10 cents each for all stations in excess of 10 to a circuit.

PITTSBURGH, PA.

NET ANNUAL EXCHANGE RATES OF THE CENTRAL DISTRICT TELEPHONE CO. IN EFFECT AUG. 20, 1914.

In the application of exchange rates, Pittsburgh and a surrounding area, including 29 cities and towns and parts of 4 other municipalities, are treated as one Metropolitan District. The entire area is served by 22 central offices. Within the Metropolitan District two schedules of rates are in force.

PITTSBURGH, PA.—Continued.

Schedule I is available to all subscribers in the Metropolitan District and the local service area includes the entire district.

Schedule II rates give a more restricted local service area and are available only in two "zones" lying to the southeast of Pittsburgh, but within the Metropolitan District. These zones are known as the Braddock Zone, on the north side of the Monongahela River, and the Homestead Zone, on the south side of the river. Subscribers under Braddock Zone rates are entitled to local messages to all stations within that zone, whether under metropolitan or zone rate contracts, and to all stations bearing the designation of the Valley central office, which serve the territory adjoining the Braddock Zone on the east, which is not within the Metropolitan District. Subscribers under Homestead Zone rates are entitled to messages to all stations within the Homestead Zone, whether under metropolitan or zone rate contracts, and to all stations bearing the designation of the Duquesne central office, which is not included in the Metropolitan District. Subscribers under zone rates are charged for each message to a station within the Metropolitan District which is not included in the local service area of that zone.

Individual and party-line service:

SCHEDULE I—METROPOLITAN SERVICE.

Flat rates.

Residence only—Individual line, $57; 2-party line, $48.

Message rates.

Local messages per annum.	Individual line.	2-party line.	Additional local messages (cents).	Both-way auxiliary line.	Extension station.
Business—Retail rates:					
360		[1] $30.00	5		$6.00
600	$48.00		5	$30.00	6.00
800	57.00		5		
1,000	66.00		5		
1,200	75.00		5		
1,500	84.00		5		
1,800	93.00		5		
2,100	102.00		4		
2,400	111.00		4		
2,700	120.00		4		
3,000	129.00		4		
3,300	135.00		4		
3,600	141.00		4	30.00	6.00
3,900	147.00		4		
4,200	153.00		4		
4,500	159.00		4		
4,800	165.00		4		
5,100	171.00		4		
5,400	[2] 177.00		4		
Business—Wholesale rates (no refund for unused messages):					
2,100	81.00		5		
2,700	96.00		4		
3,300	111.00		4		
3,900	123.00		4		
4,500	135.00		4		
5,100	147.00		3		
5,400	[3] 153.00		3		

[1] Guarantee of 30 local messages per month.
[2] Additional messages, 3 cents each if contracted for in advance in lots of 300.
[3] Additional messages, $12 per 600 if contracted for in advance and at least one auxiliary line be taken, at regular rates, for each 5,400 or less of such additional messages.

Local messages per annum.	Individual line.	2-party line.	4-party line.	Additional local messages (cents).	Extension station.
Residence:					
360			[1] $24.00	5	$6.00
600	$48.00	$36.00		5	6.00

[1] Guarantee of 30 local messages per month.

Subscriber's coin-box rates.

	Fixed annual charge.	Local messages (cents).	Extension station.
Public places, 1-party	$30.00	5	$6.00
Boarding houses, 2-party	18.00	5	6.00

PITTSBURGH, PA.—Continued.

Individual and party line service—Continued.

SCHEDULE II—ZONE SERVICE.

Flat rates.

	Individual line.	2-party line.	4-party line.	Both-way auxiliary line.	Extension station.
Business	$36.00	$30.00	$24.00	$27.00	$6.00
Residence	30.00	24.00	18.00		6.00

Metropolitan service:
Business—Message rates—No. 1 or No. 2 private branch exchanges (No. 2 private branch exchange equipment has a capacity of 10 lines)—

	Retail rates.	Wholesale rates.
Switchboard and an operator's telephone, or receiving station and switching devices, with battery and ringing power, two both-way trunk lines and the number of local messages specified	$186.00	$276.00
Local messages per annum	3,000	9,600
Additional trunk lines, both-way, each	$24.00	$24.00
Additional stations, each	$6.00	$6.00
Additional local messages:		
If contracted for in advace in lots of	400	900
Each	$0.03	$0.02
If not contracted for in advance	$0.04	$0.02½

Residence—Flat rates—No. 2 private branch exchanges (equipment furnished has a capacity of 10 lines. Contracts are not accepted for less than 3 stations, excluding operators' telephones or receiving station)—
Receiving station and switching devices, 1 both-way trunk line and 3 additional stations $105.00
Additional both-way trunk lines, each 57.00
Additional stations, each 6.00

Hotel—Message rates (contracts are not accepted for less than 20 stations, excluding operators' telephones, and telephones installed in public corridors for the use of the general public)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, $36.
Trunk lines, both-way only (for flat-rate trunk lines, see the following paragraphs), no additional charge.
Stations, main or extension, each (no additional charge is made for the stations installed in public corridors for the use of the general public), $6.
Local messages—The subscriber, as the company's agent, charges patrons the regularly established public telephone rates for all local and toll messages, and receives a commission on all charges for local and toll messages originating at the private branch exchange system.

Hotel—Message rates—With flat-rate trunk lines—
In the "zone" areas where business flat-rate service is quoted, flat-rate trunk lines may be connected with hotel message-rate private branch exchanges for use in connection with flat-rate business stations, which may be provided only for the use of officials and employees of the hotel. Under such an arrangement the flat-rate trunk lines terminate on special cords, the plugs of which do not fit the message-rate station jacks. Stations which are to have flat-rate service are equipped with two jacks to permit connections with either the flat-rate or message-rate trunk lines, and with any other private branch exchange station. Flat-rate trunk lines are not listed in directory.
Flat-rate trunk lines are charged for at the rates given under the standard schedules for business flat-rate private branch exchange service. The charge for the switchboard and for those stations which are equipped for connection with the flat-rate trunk lines, are equal to the sum of the respective standard rates which regularly apply under the business flat-rate and hotel message-rate schedules.

Zone service (No installation charges are made. Message-rate contracts for business private branch exchange service with either No. 1 or No. 2 equipment, are not accepted for less than 2 stations, exclusive of operators' telephones or receiving station; flat-rate contracts for not less than 2 trunk lines and 2 stations, exclusive of operators' telephones or receiving station. No. 2 private branch exchanges are furnished for residence service. Contracts are not accepted for less than 3 stations in addition to the receiving station. No. 2 private branch exchange equipment has a capacity of 10 lines):

Business or residence—Flat rates—
Switchboard and an operator's telephone, or receiving station and switching devices, with battery power $30.00
First both-way trunk line, business 36.00
Additional both-way trunk lines, business, each 27.00
Trunk lines, both-way, residence, each 30.00
Stations, main or extension, each 6.00
Ringing power.—Hand-operated generator for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.

Business or residence—Message rates—
Switchboard and an operator's telephone, or receiving station and switching devices, with battery power $24.00
Trunk lines, both-way, each 24.00
Stations, main or extension, each 6.00
Local messages, guarantee 1,200, each 0.03
Additional local messages, each 0.04
If contracted for in advance in lots of 100, each 0.03
Ringing power.—Hand-operated generator for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.

PITTSBURGH, PA.—Continued.

SCHEDULE II (zone service)—Continued.

Short-term service:
Individual and party lines—
Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than one year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for one month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Message rates.—When the number of messages under a message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.

Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in one year.

For contracts at wholesale message rates, under which no refund is made for unused messages, the charges are such as to correspond with those made for service at retail message rates, except that—

When the charge computed on the basis of the retail message-rate schedule is in excess of the annual rate to be paid under the contract for an equal or greater number of messages, the full annual rate provided for in the contract is charged.

When the number of local messages used exceeds the contract allowance, the charge is the contract rate for the messages used, as though such messages were used in one year.

Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

Private branch exchanges:
Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.
Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.

PITTSBURGH, PA.—Continued.

SCHEDULE II (zone service)—Continued.

Private branch exchanges—Continued.
Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.
Local messages—
When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year.
When the number of messages used equals, or exceeds, the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in 1 year.
For contracts at wholesale message rates, under which no refund is made for unused messages, the charges are such as to correspond with those made for service at retail message rates, except that—
When the charge computed on the basis of the retail message rate schedule is in excess of the annual rate to be paid under the wholesale contract for the same equipment and an equal or greater number of messages, the full annual rate provided for in the contract is charged.
When the number of local messages used exceeds the contract allowance, the charge is the wholesale contract rate for equipment and messages used, as though such messages were used in 1 year.

Excess exchange line mileage (charges are computed on air-line distances beyond the city limits)—

Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof	$5.00
Two-party line, per station, per quarter-mile or fraction thereof	3.00
Four-party line, per station, per quarter-mile or fraction thereof	2.00

Extension and tie-line mileage (charges are computed on route measurements)—

Extension lines, not over 300 feet	$6.00
Extension and tie lines:	
First mile, per quarter-mile or fraction thereof	12.00
One to 2 miles, per quarter-mile or fraction thereof	10.50
Two to 3 miles, per quarter-mile or fraction thereof	9.00
Three to 4 miles, per quarter-mile or fraction thereof	7.50
Over 4 miles—each additional quarter-mile or fraction thereof	6.00

Extra directory listings, business or residence, each, $3.
Joint-user service, business flat rate, individual or party line, one-half annual rate.
Moving charges:
Individual or party line, main or extension station or No. 1 private branch exchange station, during the first year or within 1 year from the last free move—

Inside move	$1.00
Outside move—	
Main station moved independently	3.00
Main station moved in conjuction with and to same address as switchboard	1.00
Extension station moved independently	3.00
Extension station moved in conjunction with and to same address as main station	1.00

Private branch exchange switchboards under annual contracts, during the first year or within 1 year from the last free move—

	Same room.	Another room.
Inside move—		
Cordless switchboard, 10 lines or less	$5.00	$8.00
Cord switchboard, 40 lines or less	10.00	18.00
Cord switchboard, over 40 lines	At cost.	At cost.
Outside move—		
Cordless switchboard, 10 lines or less		$10.00
Cord switchboard, 40 lines or less		18.00
Cord switchboard, over 40 lines		At cost.
Trunk line, tie line, or oustide extension line (switchboard terminal)		2.00

No. 2 private branch exchanges, during the first or subsequent years, at cost.

PLAINFIELD, ILL.

NET ANNUAL EXCHANGE RATES OF THE INTERSTATE INDEPENDENT TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1914.

Individual line service:

	Individual line.	Extension station.
Business	$24.00	$12.00
Residence	18.00	9.00

Miscellaneous service per station:	
Rural	$18.00
Employees	6.00

PLANT CITY, FLA.

NET ANNUAL EXCHANGE RATES OF THE PENINSULAR TELEPHONE CO. IN EFFECT JULY 23, 1914.

Individual and party-line flat-rate service:

	Individual line.	Individual line joint user.	2-party line.	2-party line joint user.	4-party line.	4-party line joint user.
Business	$36.00	$15.00	.....	.....	$30.00	$12.00
Residence	24.00	9.00	$21.00	$6.00	18.00	6.00

PLANT CITY, FLA.—Continued.

Extensions:
- Business station (desk or wall) $12.00
- Residence station (desk or wall) 12.00
- Bells (business or residence) 3.00
- Gongs (business or residence) 6.00

Directory service:
- Extra listing 3.00
- Additional line 3.00

POMONA, CAL.

NET ANNUAL EXCHANGE RATES OF THE POMONA VALLEY TELEPHONE & TELEGRAPH UNION IN EFFECT MAY 12, 1914.

[Company operates exchanges at Pomona, Claremont, Chino, Lordsburg, and San Dimas.]

Individual and party-line service.

	Individual line.	4-party line.	8-party line.
Business	$30.00	$18.00	.....
Residence	24.00	18.00	$12.00

PORTLAND, ME.

NET ANNUAL EXCHANGE RATES OF THE NEW ENGLAND TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 26, 1914.

[The local service area includes Cape Elizabeth, Portland, South Portland, and part of Falmouth.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	6-party line.	Inward auxiliary line.	Rural line.	Extension station.
Business	$60.00	$54.00	.....	$36.00	$33.00	$6.00
Residence	36.00	30.00	$25.00	.....	25.00	6.00

Message rates (business only).

Local messages per annum.	Individual line.	2-party line.	Additional local messages (cents).	Extension station.
720	.....	$36.00	3	$6.00
840	$42.00	.....	(1)	6.00

[1] Up to a total of 6,000, each, 3 cents; next 6,000, each, 2¾ cents; all others, each, 2½ cents.

Subscribers' coin-box rates.

	Guarantee (on annual basis).	Minimum charge.	Local messages (cents).
Business, 4-party	1½ local messages per day	$27.38	5
Residence, 4-party	1 local message per day	18.25	5

No. 1 or No. 2 private branch exchanges:
- Commercial, residence, hotel, and apartment house—Message rates (contracts are not accepted for periods of less than 3 years. No. 2 business systems are limited to a total of 10 lines)—
  - Switchboard, with battery power, an operator's telephone or receiving station with switching devices and 2,500 local messages per annum $75.00
  - Trunk lines, both-way only, each 21.00
  - Stations, each 6.00
  - Additional local messages—
    - First 3,500, each (in hotels and apartment houses, all additional local messages are charged for at 3 cents each) 0.03
    - Next 6,000, each 0.02¾
    - All others, each 0.02½
  - Ringing circuit (applies only within a radius of 1 mile, air-line distance, from a central office, for installations of 19 stations or less. No additional charge is made if subscribers, within 1 mile from the central office, contract for 20 stations or more. Beyond this distance a mileage charge is made of $5 per quarter-mile or fraction thereof) 18.00
- Hotels—Message rates—Season service (contracts are not accepted for periods of less than 5 years nor for less than 50 stations and allow service for a period of 5 months in each year)—
  - Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, no charge.
  - Trunk lines, both-way only, no charge.
  - Stations—
    - First 50, each $5.00
    - Over 50, each 4.00
  - Local messages, each 0.03
- Department store—Message rates (contracts are not accepted for periods of less than 5 years, nor for less than 50 stations)—
  - Switchboard, with battery power, ringing circuit, and an operator's telephone, no charge.
  - Trunk lines, both-way only, each $24.00
  - Stations, each 6.00
  - Local messages—
    - First 6,000, each 0.03
    - Next 6,000, each 0.02¾
    - All others, each 0.02½

PORTLAND, ME.—Continued.

No. 2 private branch exchanges—Residence—Flat rates (contracts are not accepted for a period of less than 3 years. Interior cable in excess of 500 feet and all outside cable between subscriber's buildings on the same premises, is furnished at the subscriber's expense. The rate quoted for receiving stations includes switching devices for all stations)—
- Trunk lines, both-way, each $36.00
- Trunk lines, incoming, each 36.00
- Receiving station, with switching devices 24.00
- Stations, with or without switching device, each 6.00

Short-term service:
- Emergency service (regular installation and removal charges apply as specified below under 3 months service)—
  - Flat rate individual line or residence No. 2 private branch exchange trunk line—
    - First day $3.00
    - Each additional day 0.75
  - Message rate trunk line and private branch exchange station (either or both)—
    - First 3 days $5.00
    - Each additional week (charge not to exceed annual rate) 1.00
- Three-month periods—
  - Flat rates—
    - Business—
      - Individual line 23.00
      - Party line, per station 19.00
    - Residence—
      - Individual line or No. 2 private branch exchange trunk line 19.00
      - Party line, per station 16.00
  - Message rates—
    - Private branch exchange trunk line (no installation charge) 12.00
      - Service continuing beyond the initial 3 months period is charged for at a rate for each whole month equal to one-ninth the difference between the short-term rate and the annual rate for similar service, with a charge pro rata for fractional parts of a month.
  - The following charges are made in addition to the rates quoted above, for installation and removal of equipment furnished for short periods—
    - If instrument is on premises and inside wiring and drop wiring are in place $2.00
    - If both inside wiring and drop wiring are in place, but it is necessary to furnish an instrument 3.00
    - If either inside wiring or drop wiring is in place, but not both—and instrument must be installed 4.00
    - If it is necessary to install inside wiring, drop wiring and instrument 5.00

Excess exchange line mileage (mileage is charged on the air-line distances, beyond 2 miles from the central office; for individual 2-party and 6-party-line service, and on route measurements beyond 6 miles from the central office for rural lines)—
- Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof $2.50
- Two-party line, per station, per quarter-mile or fraction thereof 1.00
- Six-party line, per station, per quarter-mile or fraction thereof 0.50
- Rural line, per station, per quarter-mile or fraction thereof 0.50

Extension and tie-line mileage—Charges are computed on route measurements.

Extension lines:
- First half-mile or fraction thereof $10.00
- Each additional quarter-mile or fraction thereof 5.00

Tie lines (between switchboards in the same exchanges):
- Switchboards contracted for by the same subscriber in separate buildings—
  - First mile or fraction thereof $35.00
  - Each additional quarter-mile or fraction thereof (when the switchboards are in the same building and only inside wiring is required, the minimum charge per line is $10) 8.75
- Switchboards contracted for by different subscribers in separate buildings (not more than 3 private branch exchange switchboards of different subscribers will be connected together by means of tie lines)—
  - First mile or fraction thereof $60.00
  - Each additional quarter-mile or fraction thereof 15.00

Extra directory listings:
- Business or residence $3.00
- Names of tenants in hotels and apartment houses 5.00

Joint-user service:
- Flat rates—Individual line or private branch exchange, one-half of annual rate not to exceed $50.
- Message rates—Individual line or private branch exchange, $5.

Moving charges (individual or party line stations or No. 1 private branch exchange stations):
- Inside move—
  - 25 feet or less of inside wiring necessary $1.00
  - Over 25 feet of inside wiring necessary 2.00
- Outside move—
  - Drop and inside wiring necessary and instrument to be placed $5.00
  - Drop or inside wiring (one only) necessary and instrument to be placed 4.00
  - No wiring necessary but instrument to be placed 3.00
  - No wiring necessary and instrument in place 2.00
    - When a main station, extension station and other station equipment are moved at the same time, the work practically constituting one job, full charge is made for moving the main station, and one-half the scheduled charges for moving the other apparatus.
    - Moves of switchboards, entire No. 1 private branch exchange systems or No. 2 private branch exchange stations are made at actual cost.
    - At any time after the expiration of the initial contract period, the subscriber may extend his contract for another contract period in lieu of payment of the above charges.

PORTLAND, OREG.

NET ANNUAL EXCHANGE RATES OF THE HOME TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1911.

Business service:
- Individual line, unlimited $72.00
- Individual line, limited to 1,200 calls; additional 2 cents each 48.00
- Individual line, second trunk 45.00

Business prepayment service (nickel-in-slot):
- Individual line, guarantee $54.00
  - Subscriber to receive 50 per cent of the receipts for local calls only, exceeding the yearly guarantee of $54.
- Individual line, no guarantee.
  - Subscriber to receive 25 per cent of the receipts for local calls only.

Residence service, unlimited—Individual line, $24.

Private branch exchange, unlimited—Commercial:
- Switchboard with power circuit and operator's set, per position $60.00
- Trunk, first 2-way 72.00
- Trunks, additional 2-way 48.00
- Stations, first 10, each 15.00
- Stations, next 15, each 12.00
- Stations, next 25, each 9.00
- Stations, next 25, each 6.00

PORTLAND, OREG.—Continued.

Private branch exchange, unlimited—Commercial—Continued.
Outside stations to same firm, only, same rate as inside stations plus $12 per year per mile per cable pair with a minimum of $12 for any one cable pair; $3 per year for each additional quarter-mile.
Contracts will not be accepted for less than 2 trunk lines and 8 stations. Under 3-year contract, no charge for installation. Under 1-year contract, actual cost of installation will be charged to subscriber.

Private branch exchange service—unlimited—Hotel:
Switchboard with power circuit and operator's set, per position $24.00
Trunk, first 2-way 72.00
Trunks, additional 2-way, each 48.00
Stations, first 10, each 6.00
Stations, next 10, each 5.40
Stations, next 15, each 4.80
Stations, next 15, each 4.20
Stations, additional, each 3.00
Contracts not taken for less than 3 years.
Switchboard with power circuit and operator's set, per position 60.00
Trunk, first 2-way 72.00
Trunks, additional 2-way, each 48.00
Stations, 100 or more, each 3.00
No charge for installation; contracts to be taken for not less than 5 years.

Intercommunicating service—unlimited—Limited to 10 stations:
Trunk, first 2-way $72.00
Trunks, additional 2-way, each 48.00
Stations, each 15.00
Contracts will not be accepted for less than 2 trunks and 5 stations. Under 3-year contract, no charge for installation or material, including 300 feet of cable. Subscriber to pay for installation of cable in excess of 300 feet. Under 1-year contract, actual cost of installation will be charged to subscriber.

Apartment house service:
Individual line, wall sets, only $20.00
Vestibule intercommunicating set 20.00
Janitor's set 20.00
No contract to be taken for less than 8 apartments, or for less than 3 years.

Extensions, etc.:
Business $12.00
Residence 12.00
Outside extension, not over 100 feet from main line and not involving cable pair 18.00
Outside extension with instrument, regular rate plus $12 per year per mile with a minimum of $12 for any one cable pair; $3 per year for each additional quarter of a mile.
Bell $3.00
Large gong 4.20
Head cap receiver 3.00
Booth—$5 installation charge and $12 per annum.
Cord, 8 feet 2.40
Cord, 10 feet 3.00
Cords in standard length of 8 and 10 feet.

Buzzer systems:
1 buzzer $3.00
2 buzzers 4.80
3 buzzers 6.60
4 buzzers 8.40
5 buzzers 10.20

Single mounted jacks:
2 jacks, $5 installation and $1.50 per annum.
3 jacks, $6 installation and $1.50 per annum.
4 jacks, $7 installation and $1.75 per annum.
5 jacks, $8 installation and $2 per annum.
6 jacks, $9 installation and $2.25 per annum.
7 jacks, $10 installation and $2.50 per annum.
8 jacks, $12 installation and $2.75 per annum.
9 jacks, $15 installation and $3 per annum.
10 jacks, $18 installation and $3.25 per annum.
Each additional jack, $3 installation and 25 cents per annum.

Extra name service:
Joint user, unlimited sevice $12.00
Members of same firm, same business 3.00
Residence listings 3.00
In case of a firm, one extra listing will be allowed free.

Private line service:
Instruments, including central office equipment, each $12.00
Private lines to be used in connection with the telephone business, without instruments, $12 per year per mile with a minimum of $12 for any one cable pair; $3 per year for each additional quarter of a mile.
Trunking cable pairs to be used in connection with the telephone business, without instruments, $24 per year per mile.
Cable pairs for business foreign to the telephone business, without instruments, $6 per year per quarter of a mile, with a minimum of $24 for any one cable pair.
Trunking cable pairs, for business foreign to the telephone business, $48 per year per mile.

Moving charges: Where the subscriber has had service for one year or more, he is allowed one move without extra charge, if renewal contract is signed. In moving private branch exchanges no charge will be made after the primary term of the contract has expired. Where the subscriber has had service for less than one year there will be a moving charge as follows:
Moving from one location to another in the same building $1.00
Moving from one building to another or to an entirely different address. 2.50
Moving private branch exchanges will be charged according to the cost of doing the work.
Changing instruments from one type to another $1.00

Residence service—Vacation rates: On written requests from the subscriber service will be suspended for a period of not exceeding 4 months during any one year. A rebate of one-half the regular rental will be allowed during the time of such suspension.

Short-term contract: For subscribers desiring service for less than one year, short-term contracts may be accepted subject to a deposit of $5 on the following terms: 3 months' contract or less, double the regular rate; 3 to 6 months' contract, regular rate plus 50 per cent; 6 to 9 months' contract, regular rate plus 25 per cent.

Cancellation of contract: A contract for regular exchange service may be cancelled by the subscriber upon written notice to the company at any time after 3 months' rental has been paid, upon payment to the company of a cancellation charge of $5 in addition to the regular rental.

PORTLAND, OREG.—Continued.

NET ANNUAL EXCHANGE RATES OF THE PACIFIC TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1912.

[The local service area includes Portland and St. John.]

Individual and party lines:

Flat rates.

	Individual line.	2-party line.	4-party line.	Both-way auxiliary line.	Extension station.
Business	$96.00	$60.00	.....	$72.00	$12.00
Residence	36.00	27.00	Wall set, [1] $24.00; Desk set, [1] 27.00	.....	6.00

[1] Applies only between 2-mile radius and city limits.

Message rates (business only, on monthly guarantee basis).

Local messages per annum.	Individual line.	Additional local messages (cents).	Both-way auxiliary line.	Extension station.
960	$48.00	2½	$30.00	$9.00
1,500	60.00	2	.....	.....

Subscribers' coin-box rates.

	Guarantee (on monthly basis).	Minimum charge.	Local messages (cents).	Extension station.
Business, 1-party	3 local messages per day	$54.75	[1] 5	$12.00
Business, 2-party	2 local messages per day	36.50	[1] 5	12.00
Residence, 1-party	1½ local messages per day	27.38	[1] 5	6.00

[1] Refund of 2½ cents per message on local message charges in excess of guarantee

Individual and party-line short-term service:
Flat rates—
Three months' contract, double the regular rate for period of service.
Three to six months' contract, regular rate for period of service plus 50 per cent.
Six to nine months' contract, regular rate for period of service plus 25 per cent.
Message rates—Regular rate for period of service plus $4.

Rural line service—(suburban service):
Business $36.00
Residence 30.00
The company builds circuits up to 5 miles from the central office provided there is an average of 2 or more stations per mile of circuit. Beyond 5 miles the subscribers pay part or all of the construction cost.

No. 1 private branch exchanges:
Commercial and department stores—Flat rates. An installation charge is made if the contract period is less than 3 years. Contracts are not accepted for less than 2 trunk lines and 4 stations, excluding operators' telephones)—
Switchboard, cordless, with battery power, ringing circuit and an operator's telephone—
Capacity 2 trunk lines, 4 stations $30.00
Capacity 3 trunk lines, 7 stations 39.00
Switchboard, cord, with battery power, ringing circuit, and an operator's telephone for each position, per position 60.00
First trunk line, both-way 120.00
Additional trunk lines, both-way, each 90.00
Trunk lines, incoming, each 76.80
Stations, each 12.00

Hotel and apartment house—Flat rates (contracts are not accepted for periods of less than 3 years nor for less than 3 trunk lines. Subscribers contract for an additional trunk line for each 25 stations or fraction thereof connected, in excess of 50)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, equipped for 15 lines $24.00
Additional switchboard equipment for each group of five lines or less .. 2.40
First trunk line, both-way 120.00
Additional trunk lines, both-way, each 90.00
Trunk lines, incoming, each 76.80
Stations, not in guest rooms, each 12.00
Stations, in guest rooms, each—

	Desk set.	Wall set.
1 to 10	$9.00	$6.00
11 to 20	8.40	5.40
21 to 35	7.80	4.80
36 to 50	7.20	4.20
In excess of 50	6.00	3.00

Commercial and department store—Message rates (an installation charge is made if the contract period is less than 3 years. Contracts are not accepted for less than 2 trunk lines and 4 stations, excluding operators' telephones)—
Switchboard, cord, with battery power, ringing circuit, and an operator's telephone for each position, 2 both-way trunk lines and 3,000 local messages per annum (on a monthly basis) $120.00
Additional trunk line, both-way only, each 24.00
Stations, each—
First 20 ..... 9.00
In excess of 20 ..... 6.00
Additional local messages, each 0.02

PORTLAND. OREG.—Continued.

No. 1. private branch exchanges—Continued.
Hotel and apartment house—Message rates (contracts are not accepted for periods of less than 3 years)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, no additional charge.
Trunk lines, both-way only, no additional charge.
Stations, not in guest rooms, each $12.00
Stations, in guest rooms, each—

	Desk set.	Wall set.
1 to 10	$9.00	$6.00
11 to 20	8.40	5.40
21 to 35	7.80	4.80
36 to 50	7.20	4.20
In excess of 50	6.00	3.00

Local messages, each, 2½ cents.

No. 2 private branch exchanges—Business—Flat rates (under 3-year contracts an installation charge is made to cover the cost of cable in excess of 300 feet. Under 1-year contracts an installation charge is made to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 2 trunk lines and 4 stations):
Receiving station, with switching device, battery power, ringing circuit, and 1 both-way trunk line—
Equipped for 10 lines $144.00
Equipped for 20 lines 147.00
Equipped for 30 lines 150.00
Additional trunk lines, both-way, each 90.00
Trunk lines, incoming 76.80
Stations, with switching device, each—
Equipped for 10 lines 15.00
Equipped for 20 lines 18.00
Equipped for 30 lines 21.00

No. 1 residence systems—Flat rates (an installation charge is made to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 3 stations):
Receiving station, with switching device, battery power, ringing circuit, and 1 both-way trunk lines—
Equipped for 10 lines $48.00
Equipped for 20 lines 51.00
Equipped for 30 lines 54.00
Additional trunk lines, both-way only, each 24.00
Stations, with switching device, each—
Equipped for 10 lines 9.00
Equipped for 20 lines 12.00
Equipped for 30 lines 15.00

No. 2 private branch exchanges—Business—Message rates (under 3-year contracts an installation charge is made to cover the cost of cable in excess of 300 feet. Under 1-year contracts an installation charge is made, to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 2 both-way trunk lines and 4 stations):
Receiving station, with switching device, battery power, ringing circuit, 2 both-way trunk lines, and 3,000 local messages per annum (on a monthly basis)—
Equipped for 10 lines $108.00
Equipped for 20 lines 111.00
Equipped for 30 lines 114.00
Additional trunk lines, both-way only, each 24.00
Stations, with switching device, each—
Equipped for 10 lines 12.00
Equipped for 20 lines 15.00
Equipped for 30 lines 18.00
Additional local messages, each 0.02

Excess exchange line mileage (mileage charges are computed on route measurements beyond the city limits of Portland and St. John):
Individual line, per quarter-mile or fraction thereof $6.00
2-party line, per station, per quarter-mile or fraction thereof 4.20
4-party line, per station, per quarter-mile or fraction thereof 3.00

Extension and tie-line mileage (mileage charges are based on route measurements):
Extension lines, per quarter-mile or fraction thereof $6.00
Tie lines, between switchboards contracted for by the same subscriber—
First mile or fraction thereof 30.00
Each additional quarter-mile or fraction thereof 7.50

Extra directory listings:
Business or residence, each 3.00
Hotel, names of guests, each 6.00

Joint-user service:
Flat rates, business only 18.00
Message rate or subscribers' coin-box 3.00

Moving charges (no charge is made for moving station equipment in case the initial contract period has expired if the subscriber signs a new contract. Except as noted, the following charges apply):
Moving a station to another location—
In the same room $1.00
In the same building 2.00
In another building 2.50

PORT TAMPA, FLA.

NET ANNUAL EXCHANGE RATES OF THE PENINSULAR TELEPHONE CO. IN EFFECT JULY 23, 1914.

Individual and party-line flat-rate service:

	Individual line.	Individual line joint user.	2-party line.	2-party line joint user.	4-party line.	4-party line joint user.
Business	$54.00	$24.00	$48.00	$24.00	$42.00	$24.00
Residence	30.00	12.00	27.00	12.00	24.00	12.00

Extensions:
Business station (desk or wall) $18.00
Residence station (desk or wall) 12.00
Bells (business or residence) 3.00
Gongs (business or residence) 6.00

Directory service:
Extra listing 6.00
Additional line 6.00

PRATTSBURG, N. Y.

NET ANNUAL EXCHANGE RATES OF THE PRATTSBURG-OVERLAND TELEPHONE CO. IN EFFECT AUG. 20, 1914.

Individual and party-line service.

	Individual line.	Party line.	Rural party line.
Business	$21.00	$15.00	$12.00
Residence	21.00	15.00	12.00

PRINCETON, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Individual line service:

	Individual line.	Extension station.
Business	$18.00	$6.00
Residence	12.00	6.00

Rural stations ..... $15.00 and $12.00
Rural connecting companies, $2.50 per circuit per month and 10 cents each for all stations in excess of 10 to a circuit.

PROVIDENCE, R. I.

NET ANNUAL EXCHANGE RATES OF THE PROVIDENCE TELEPHONE CO. IN EFFECT AUG. 20, 1914.

Individual and party-line service:

SCHEDULE I.

This schedule, with mileage charges when applicable, entitles subscribers to messages, without other charges, to all stations bearing the designation of a Providence or East Providence central office.

Flat rates.

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Extension station.
Business	$80.00	$60.00	[1] $60.00	$30.00	$9.00
Residence	48.00	36.00	[1] 36.00	.....	6.00

[1] For stations more than 2 miles from a central office, with mileage charges.

Message rates.

Local messages per annum.	Individual line.	2-party line.	4-party line.	6-party line.	Additional local messages (cents).	Inward auxiliary line.	Extension station.
Business:							
600 or less	$40.00	$33.00	[1] $33.00	.....	3	$30.00	$6.00
Residence:							
600 or less	30.00	25.00	.....	[1] $25.00	3	.....	6.00

[1] For stations more than 2 miles from a central office, with mileage charges.

Subscribers' coin-box rates.

	Guarantee.[1]	Minimum charge.	Local messages (cents).
Business, 4-party	1½-5 cents local messages per day	$27.37	5
Residence, 4-party	1-5 cents local message per day	18.25	5

[1] Adjustments retroactive for 3-month periods.

SCHEDULE II.

This schedule, with mileage charges when applicable, entitles subscribers to messages without other charges, to all stations bearing the designation of a Providence, East Providence, Attleboro, Bristol, Centerdale, East Greenwich, Greenwood, North Attleboro, Pawtucket, Scituate, Valley, Warren, Warwick Neck, or Woonsocket central office.

Flat rates.

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Extension station.
Business	$120.00	$96.00	.....	$30.00	$9.00
Residence	100.00	80.00	$70.00	.....	6.00

PROVIDENCE, R. I.—Continued.

Individual and party-line service—Continued.

SCHEDULE II—Continued.

Message rates (business and residence).

Local messages per annum.	Individual line.	2-party line.	4-party line.	Additional local messages.	Inward auxiliary line.	Extension station.
600 or less	$60.00	$50.00	$39.00	6 cents, or $5 per 100.	$30.00	$6.00
700	65.00	55.00	44.00	5 cents, or $4 per 100.		
800	69.00	59.00	48.00	4 cents, or $3 per 100.		
900	72.00	62.00	51.00	3 cents.		

Private branch exchange service.—In the Providence district, which includes the area within a radius of approximately 15 miles from Providence, both local and district service is quoted. The cities and towns included within the respective local service areas are enumerated in connection with Schedules I and II under "Individual and party line service." In some of the following schedules the rate for trunk lines is shown as "Individual line, local or district rate," in connection with which it is to be understood that either rate is available.

No. 1 private branch exchanges:

Commercial—Flat rates—

(This schedule entitles subscribers to local or district service, depending upon the rates paid for trunk lines. Under 1-year contracts subscribers bear the expense, in excess of $5 per station, incurred in installing all equipment designed for connection with the exchange system. Under 3 or 5 year contracts installation charges are sometimes omitted in connection with the equipment designed for exchange service, but subscribers provide suitable conduits or runways for inside wiring. Under contracts of any term subscribers bear the total expense incurred in installing stations restricted to intercommunicating service. Contracts are for not less than 3 stations, including operators' telephones. One station is furnished without additional charge for each trunk line connected)—

Switchboard, with battery power and ringing circuit, without operators' telephones—

Cordless, capacity 3 trunks, 7 lines	$15.00
Cord, nonmultiple, lamp or magnetic signals—	
One position, capacity 10 trunks, 30 lines, equipped for—	
20 lines or less	20.00
21 to 30 lines	40.00
One position, capacity 15 trunks, 80 lines, equipped for—	
60 lines or less	40.00
61 to 80 lines	60.00

The same rates apply for each additional position.

Trunk lines, both-way, each—	
Local service	80.00
District service	120.00
Trunk lines, incoming, each	30.00
Stations, main or extension, each—	
Having exchange service	9.00
For intercommunicating purposes only	5.00

Commercial—Message rates (district service) (under 1-year contracts subscribers bear the expense, in excess of $5 per station, incurred in installing all equipment on the premises. Under 3 or 5 year contracts, installation charges are sometimes omitted, but subscribers provide suitable conduits or runways for inside wiring. Contracts are for not less than 3 stations, including operators' telephones)—

Switchboard, with battery power and ringing circuit, without operators' telephones—

Cordless, capacity 3 trunks, 7 lines	$15.00
Cord, nonmultiple, lamp or magnetic signals—	
One position, capacity 10 trunks, 30 lines, equipped for—	
20 lines or less	20.00
21 to 30 lines	40.00
One position, capacity 15 trunks, 80 lines, equipped for—	
60 lines or less	40.00
61 to 80 lines	60.00

The same rates apply for each additional position.

Trunk lines, both-way only, each	30.00
Stations, main or extension, each	6.00
Messages, guarantee 600 per annum for each trunk line, each	0.03

Commercial—Message rates—With flat-rate trunk lines (flat-rate trunk lines may be connected with message-rate private branch exchanges, in which case all of the rates and regulations apply which are given in connection with flat-rate private branch exchanges, together with the following rates)—

Trunk lines, both-way, including with each trunk line the number of local messages per annum specified in the individual line schedule, each individual line business, local, or district rate.

Additional messages—standard rates quoted in connection with the business, individual line, local, or district schedules.

Department store—Message rates (district service) (subscribers bear the cost of all runways for wire or cable, including moulding and conduit. Contracts are for periods of not less than 5 years and for not less than 75 stations)—

Switchboard, cord only, with battery power and ringing circuit, no additional charge.

Trunk lines, both-way only, each, $24.

Stations, each, $6.

Message, guarantee 50,000 per annum, each, 3 cents. The local service area to subscribers within the Providence district includes points to which the public telephone charge is 10 cents. All messages to such points are included in computing the guarantee as to message use; if used in the conduct of the subscriber's business, these messages are charged at 3 cents each; if sold to patrons, they are charged to the subscriber at 5 cents each instead of at 3 cents each.

PROVIDENCE, R. I.—Continued.

SCHEDULE II—Continued.

Private branch exchange service—Continued.

Transient hotel, family hotel, and apartment house—Message rates (local service) (subscribers bear the cost of all runways for wire or cable, including moulding and conduit. Contracts are for periods of not less than 5 years)—

Switchboard, cord only, with battery power and ringing circuit, without operators' telephones	$36.00
Trunk lines, both-way only, each	24.00
Stations, each	6.00
Messages, guarantee 600 per annum with each trunk line, each	0.03

No. 2 private branch exchanges:

Business and residence—Flat rates (this schedule entitles subscribers to local or district service, depending on the rates paid for trunk lines. Under 1-year contracts subscribers bear the expense, in excess of $5 per station incurred in installing all equipment designed for connection with the exchange system. Under 3 or 5 year contracts, installation charges are sometimes omitted in connection with equipment designed for exchange service, but subscribers are required to provide suitable conduits or runways for inside wiring. Under contracts of any term, subscribers bear the total expense incurred in installing stations restricted to intercommunicating service. There are no minimum requirements as to the amount of equipment. One station without switching device is furnished without additional charge for each trunk line connected)—

Trunk lines, both-way, each, business or residence individual line local or district rate.

Trunk lines, incoming, each, $30.

Stations, with switching device, each—	Business.	Residence.
Capacity 10 lines	$12.00	$9.00
Capacity 20 lines	15.00	12.00
Capacity 30 lines	15.00	12.00
Stations, without switching device, each	9.00	6.00
Stations, for intercommunicating purposes only, each	5.00	5.00

Business and residence—Message rates (district service) (under 1-year contracts subscribers bear the expense, in excess of $5 per station, incurred in installing all equipment on the premises. Under 3 or 5 year contracts installation charges are sometimes omitted, but subscribers provide suitable conduits or runways for inside wiring. There are no minimum requirements as to the amount of equipment—

Trunk lines, both-way only, each	$30.00
Stations, with switching device, each—	
Capacity 10 lines	9.00
Capacity 20 lines	12.00
Capacity 30 lines	12.00
Stations, without switching device, each	6.00
Messages, guarantee 600 per annum with each trunk line, each	0.03

Business and residence—Message rates—With flat rate trunk lines.—Flat rate trunk lines may be connected with message-rate No. 2 private branch exchange systems, in which case all of the rates and regulations apply which are given in connection with flat-rate No. 2 private branch exchanges, together with the following rates: Trunk lines, both-way, including with each trunk line the number of local messages per annum specified in the individual line schedule, each—business or residence individual line local or district rate. Additional messages—standard rates quoted in connection with the business or residence individual line local or district schedules.

Short-term service:

Individual and party line, flat rates—

Six months or less, three-fourths annual rate.

Each additional month, one-sixth of remaining one-fourth of annual rate.

Extension stations:

Six months or less, $6.

Each additional month, one-sixth of remaining portion, if any, of annual rate.

Private branch exchange flat-rate trunk lines and stations may be furnished under the above rates.

Excess exchange line mileage (charges are computed on air-line distances beyond 2 miles from a central office, per quarter-mile or fraction thereof):	
Individual line or P. B. X. trunk line	$6.00
Two-party line, per station	5.00
Four-party line, per station	4.00
Six-party line, per station	2.00
Extension and tie-line mileage (charges are computed on route measurements):	
First half-mile or fraction thereof	$10.00
Each additional quarter-mile or fraction thereof	5.00
Extra directory listings:	
Name of partner, officer, or manager	3.00
Name of clerk	6.00
Member of subscriber's family	3.00
Joint-user service:	
Flat rates, individual line, business—	
Local service	54.00
District service	90.00
Message rates, individual or party line, business	6.00

Moving charges.—For moving within the initial contract period, subscribers pay actual cost. In connection with private branch exchange contracts, after expiration of the initial contract period, subscribers either contract for the ensuing contract period or pay actual cost.

PULTENEY, N. Y.

NET ANNUAL EXCHANGE RATES OF THE PRATTSBURG-OVERLAND TELEPHONE CO. IN EFFECT AUG. 20, 1914.

Individual and party-line service:

	Individual line.	Party line.	Rural party line.
Business	$15.00	$12.00	$12.00
Residence	15.00	12.00	12.00

READING, PA.

NET ANNUAL EXCHANGE RATES OF THE BELL TELEPHONE CO. OF PENNSYLVANIA IN EFFECT AUG. 20, 1914.

[The local service area includes Reading and 41 surrounding localities.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Both-way auxiliary line.	Extension station.
Business	$60.00	$48.00	$39.00	$42.00	$6.00
Residence	36.00	30.00	24.00	.....	6.00

Message rates (business only).

Local messages per annum.	Individual line.	Additional local messages (cents).	Extension station.
600	$36.00	4	$6.00
800	42.00	4	.....
1,000	48.00	4	.....
1,200	54.00	4	.....

Additional local messages $3 per 100 if contracted for in advance.

Rural line service:
- Business $39.00
- Residence 24.00

No. 1 or No. 2 private branch exchange service:
- Business or residence—Flat rates—
  - Switchboard and an operator's telephone, or receiving station and switching devices, with battery power $30.00
  - First both-way trunk lines, business 60.00
  - Additional both-way trunk lines, business, each 42.00
  - Trunk lines, both-way, residence, each 36.00
  - Stations, main or extension, each 6.00
  - Ringing power.—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.
- Business or residence—Message rates—
  - Switchboard and an operator's telephone, or receiving station and switching devices, with battery power $24.00
  - Trunk lines, both-way, each 24.00
  - Stations, main or extension, each 6.00
  - Local messages, guarantee 1,200, each 0.03
  - Additional local messages, each 0.04
    - If contracted for in advance in lots of 100, each 0.03
  - Ringing power.—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.
- Hotel—Message rates (contracts are not accepted for less than 20 stations, excluding operators' telephones)—
  - Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, $24.
  - Trunk lines, both-way only (for flat-rate trunk lines, see the following paragraphs), no additional charge.
  - Stations, main or extension, each (no additional charge is made for the stations and booth equipment, installed in public corridors for the use of the general public), $6.
  - Local messages.—The subscriber, as the company's agent, charges patrons the regularly established public telephone rates for all local and toll messgaes and receives a commission on all charges for local and toll messages originating at the private branch exchange system.
- Hotel message rates—With flat rate trunk lines—
  - Flat-rate trunk lines may be connected with hotel message-rate private branch exchanges for use in connection with flat-rate business stations, which may be provided only for the use of officials and employees of the hotel. Under such an arrangement the flat-rate trunk lines terminate on special cords, the plugs of which do not fit the message-rate station jacks. Stations which are to have flat-rate service are equipped with two jacks to permit connections with either the flat-rate or message-rate trunk lines, and with any other private branch exchange station. Flat-rate trunk lines are not listed in directory.
  - Flat-rate trunk lines are charged for at the rates given under the standard schedules for business flat-rate private branch exchange service. The charges for the switchboard and for those stations which are equipped for connection with the flat-rate trunk lines, are equal to the sum of the respective standard rates which regularly apply under the business flat-rate and hotel message-rate schedules.

READING, PA.—Continued.

Short-term service:
- Individual and party lines—
  - *Flat rates.*—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than 1 year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for 1 month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Message rates.—When the number of messages under a message rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.

Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in 1 year.

Extension stations.—The charge is the proportionate part of the annual rate for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

READING, PA.—Continued.

Private branch exchanges:

Switchboards.—The charge is the proportionate part of the annual rate for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.

Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of 1 of several trunk lines, that longest in service is assumed to be the one disconnected.

Stations, main or extension.—The charge is the proportionate part of the annual rate for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.

Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals, or exceeds, the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in 1 year.

Excess exchange-line mileage (mileage charges are computed on air-line distance, beyond the municipal limits of Reading and Wyomissing, and beyond these limits to a radial distance of 2 miles from the Reading central office):

Individual line, per quarter-mile or fraction thereof	$5.00
Two-party line, per subscriber, per quarter-mile or fraction thereof	3.00
Four-party line, per subscriber, per quarter-mile or fraction thereof	2.00

Extension and tie-line mileage (charges are computed on route measurement), per quarter-mile or fraction thereof, $5.

Extra directory listings, business or residence, $3.

Joint-user service—Business flat rate, individual or party line, one-half regular rate.

Moving charges:

Individual or party line, main or extension station or No. 1 private branch-exchange station, during the first year or within 1 year from the last free move—

Inside move	$1.00
Outside move—	
Main station moved independently	3.00
Main station moved in conjunction with and to same address as switchboard	1.00
Extension station moved independently	3.00
Extension station moved in conjunction with and to same address as main station	1.00

Private branch exchange switchboards under annual contracts, during the first year or within 1 year from the last free move—

Inside move—	Same room.	Another room.
Cordless switchboard, 10 lines or less	$5.00	$8.00
Cord switchboard, 40 lines or less	10.00	18.00
Cord switchboard, over 40 lines	At cost.	At cost.

Outside move—	
Cordless switchboard, 10 lines or less	$10.00
Cord switchboard, 40 lines or less	18.00
Cord switchboard, over 40 lines	At cost.
Trunk line, tie line, or outside extension line (switchboard terminal)	2.00

No. 2 private branch exchanges, during the first or subsequent years, at cost.

READING, PA.

NET ANNUAL EXCHANGE RATES OF THE CONSOLIDATED TELEPHONE CO. IN EFFECT JULY 30, 1914.

Individual and party-line service:

	Individual line.	2-party line.	4-party line.	Extension station.	Extension bell.
Business	$45.00	$36.00	$24.00	$6.00	$1.80
Residence	36.00	30.00	18.00	6.00	1.80

Private branch exchange rates:

Switchboard, $30.

Trunks, individual line rate for the first trunk, less $6 for each additional trunk.

Stations, in same building as private branch exchange; $6 each; outlying, $6 each per year plus excess mileage charge of $3.75 per quarter-mile or fraction thereof.

Private branch exchange rates are standard with the exception of the trunk line rates, which are governed by the exchange to which the private branch exchange is directly connected.

RED CLOUD, NEBR.

NET ANNUAL EXCHANGE RATES OF THE LINCOLN TELEPHONE & TELEGRAPH CO. IN EFFECT JULY 1, 1914.

Individual and party-line service.

	Individual line.	2-party line.	4-party line.	Farm line.
Business	$30.00	$24.00	.....	.....
Residence	18.00	15.00	$12.00	$18.00

RICHMOND, VA.

NET ANNUAL EXCHANGE RATES OF THE CHESAPEAKE & POTOMAC TELEPHONE CO. OF VIRGINIA IN EFFECT AUG. 18, 1914.

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Extension station.
Business	$72.00	$48.00	$48.00	$12.00
Residence	36.00	24.00	24.00	6.00

Message rates.[1]

Local messages per annum.	Individual line.	2-party line.	4-party line.	Additional local messages (cents).	Extension station.
Business:					
1,200	$36.00	$36.00	$36.00	3	[2] $18.00
Limit of charge per month.	7.00	7.00	7.00	.....	6.00
Residence:					
600	.....	18.00	18.00	3	[2] 18.00
800	24.00	.....	.....	3	.....
Limit of charge per month.	5.00	3.00	3.00	.....	6.00

[1] Monthly guarantee of one-twelfth of the contract number of "Local messages per annum."

[2] One local message per month is allowed without additional charge for each 3 cents charged per month for extension stations.

Private branch exchange service:

No. 1 private branch exchanges—

Commercial and department store—Flat rates—

Switchboard, cord or cordless, with one operator's telephone, $1 for each station connected, minimum charge, $24.

Trunk lines, both-way, each	$108.00
Trunk lines, incoming, each	54.00
Stations, main or extension, each	12.00

Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 36 cents per annum for each station, including operators' telephones. The maximum charge is $2 per annum per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 30,000.

Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.

Commercial and department store—Message rates—

Switchboard, cord or cordless, with one operator's telephone, $1 for each station connected; minimum charge, $24.

Trunk lines, both-way, each	$48.00
Trunk lines, incoming, each	36.00
Stations, main or extension, each	6.00

Local messages.—One local message per month is allowed, without additional charge, for each 3 cents charged per month for switchboard, stations, and trunk lines. Additional local messages, each, 3 cents.

Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 36 cents per annum for each station, including operators' telephones. The maximum charge is $2 per annum per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 30,000.

Ringing circuits.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.

Hotel and apartment house—Message rates—

Switchboard, cord only, with an operator's telephone for each position, $30.

Trunk lines, both-way only, no additional charge.

Stations, main or extension, each (no charge is made for stations, including booth equipment, placed in public corridors for the use of the general public), $6.

Local messages, each, public telephone rate less 20 per cent.

Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 36 cents per annum for each station, including operators' telephones. The maximum charge is $2 per annum per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 30,000.

Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.

RICHMOND, VA.—Continued.

Private branch exchange service—Continued.

No. 2 private branch exchanges—Flat rates (contracts are accepted for periods of either 1 or 3 years. Under 1-year contract subscribers are required to pay the actual cost of cabling, including labor and material. The equipment furnished is that for 10 lines.)—

	1-year contract.	3-year contract.
Trunk lines, both-way, each	$108.00	$108.00
Receiving station, with switching device	18.00	24.00
Stations, with switching device, each	12.00	15.00
Battery power and ringing circuit	15.00	15.00

Short-term service:

Individual and party lines—

Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than 1 year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for one month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Message rates.—When the number of messages under a message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate. the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.

Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in one year.

Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

Private branch exchanges:

Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.

Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.

RICHMOND, VA.—Continued.

Private branch exchanges—Continued.

Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.

Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals, or exceeds, the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in one year.

Excess exchange-line mileage (charges are computed on air-line distances beyond the base-rate area. On 2 and 4 party lines the charge is prorated between the subscribers. Under message-rate contracts, one local message per month is allowed, without additional charge, for each 3 cents per month of the mileage charge), per quarter-mile or fraction thereof, $7.50.

Extension and tie-line mileage (under message-rate contracts, one local message per month is allowed, without additional charge, for each 3 cents per month of the mileage charge), per quarter-mile or fraction thereof, route measurement, $7.50.

Extra directory listings (under message-rate contracts, one local message per month is allowed, without additional charge, for each 3 cents per month charged for listings), business or residence, $3.

Joint-user service (under message-rate contracts, one local message per month is allowed, without additional charge, for each 3 cents per month charged for joint-user service):

	Individual line.	2 or 4 party line.
Flat rates:		
Business	$24.00	$18.00
Residence	12.00	12.00
Message rates:		
Business	12.00	12.00
Limit of charge per month	2.50	2.50
Residence	12.00	12.00
Limit of charge per month	2.00	2.00

Moving charges:

Individual or party line, main or extension station or No. 1 private branch exchange station, during the first year or within one year from the last free move—

Inside move	$1.00
Outside move—	
Main station moved independently	3.00
Main station moved in conjunction with and to same address as switchboard	1.00
Extension station moved independently	3.00
Extension station moved in conjunction with and to same address as main station	1.00

Private branch exchange switchboards, during the first year or within one year from the last free move—

	Same room.	Another room.
Inside move—		
Cordless switchboard, 10 lines or less	$5.00	$8.00
Cord switchboard, 40 lines or less	10.00	18.00
Cord switchboard, over 40 lines	At cost.	At cost.
Outside move—		
Cordless switchboard, 10 lines or less		$10.00
Cord switchboard, 40 lines or less		18.00
Cord switchboard, over 40 lines		At cost.
Trunk line, tie line, or outside extension line (switchboard terminal)		$3.00

No. 2 private branch exchanges, during the first or subsequent years, at cost.

ROCHESTER, N. Y.

NET ANNUAL EXCHANGE RATES OF THE NEW YORK TELEPHONE CO. IN EFFECT AUG. 20, 1914.

[The local service area includes Rochester, Barnard, Brighton, Gates, Chili, Cold Water, Irondequoit, Lincoln Park, Mortimer, and Sea Breeze.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	Both-way auxiliary line.	Extension station.
Business	$48.00	$42.00	$36.00	$12.00
Residence	30.00	24.00	22.50	6.00

The following rates apply, instead of those shown above, in the event of a subscriber taking both business and residence service:

	Annual rate.	Combined annual rate.
Combination A:		
Individual line, business	$48.00	$72.00
Individual line, residence	24.00	
Combination B:		
Individual line, business	48.00	69.00
2-party line, residence	21.00	
Combination C:		
2-party line, business	42.00	69.00
Individual line, residence	27.00	
Combination D:		
2-party line, business	42.00	63.00
2-party line, residence	21.00	

ROCHESTER, N. Y.—Continued.

Rural line service:
- Business $30.00
- Residence 24.00

Private branch exchange service:
- No. 1 private branch exchanges.—No charge is made for the installation of No. 1 private branch exchanges except where the installation is exceptionally expensive or when the system is not likely to be reasonably permanent.
  - Commercial and department store—Flat rates (contracts are not accepted for less than 2 stations, excluding operators' telephones)—
    - Switchboard, cordless, with battery power and an operator's telephone. $18.00
    - Switchboard, cord, with battery power and an operator's telephone for each position—
      - First position $36.00
      - Additional positions, each 24.00
    - Trunk lines, both-way only, each 48.00
    - Stations, main or extension—
      - First 20, each 12.00
      - Over 20, each 6.00
    - Ringing circuit (no additional charge, if subscriber contracts for either 3 trunk lines or 20 stations) 18.00
  - Hotel and apartment house—Message rates—
    - Switchboard, with battery power and an operator's telephone for each position 36.00
    - Stations, main or extension, each (no charge for stations, including booth equipment, placed in public corridors for the use of the general public) . 6.00
    - Trunk lines, both-way only, no additional charge.
    - Local messages, each, public telephone rate.
    - Ringing circuit (no additional charge if subscriber contracts for either 3 trunk lines or 20 stations) 18.00
- No. 2 private branch exchanges (an installation charge is made to cover the cost of construction of circuits between stations, including labor and material.
  - Business—Flat rates—
    - Trunk lines, both-way only, each $42.00
    - Stations, with switching device, each—
      - Equipped for 10 lines 12.00
      - Equipped for 20 lines 15.00
      - Equipped for 30 lines 18.00
    - Stations, without switching device, each 6.00
- No. 1 residence system:
  - Flat rates (an installation charge is made to cover the cost of construction of circuits between stations, including labor and material)—
    - Trunk lines, both-way only, each $24.00
    - Stations, with switching device, each—
      - Equipped for 10 lines 12.00
      - Equipped for 20 lines 15.00
      - Equipped for 30 lines 18.00
    - Stations, without switching device, each 6.00

Short-term service:
- Individual and party lines—
  - *Flat rates.*—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than 1 year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for 1 month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

ROCHESTER, N. Y.—Continued.

Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

Private branch exchanges:
- *Switchboards.*—The charge is the proportionate part of the annual rate for the period of service, plus one-half the proportionate part of the annual rate for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.
- *Trunk lines.*—The charge is for the period of service as specified for the annual rate corresponding to the trunk line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.
- *Stations, main or extension.*—The charge is the proportionate part of the annual rate for the period of service, plus one-half the proportionate part of the annual rate for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.

Excess exchange line mileage (charges are computed on route measurement beyond the base rate area):
- Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof $6.00
- Two-party line, per station, per quarter-mile or fraction thereof 3.50
- Four-party line, per station, per quarter-mile or fraction thereof 2.00

Extension and tie-line mileage (charges are computed on route measurement), per quarter-mile or fraction thereof, $7.50.

Extra directory listings, business or residence, each, $3.

Moving charges:
- Individual or party line, main or extension station or No. 1 private branch exchange station—
  - Inside move, no charge.
  - Outside move, during first year or within 1 year from last free move—
    - Main station moved independently $3.00
    - Main station moved in conjunction with and to same address as switchboard 1.00
    - Extension station moved independently of main station 3.00
    - Extension station moved in conjunction with and to same address as main station 1.00
- Private branch exchange switchboards—
  - Inside move during first year or within one year from last free move—

	Same room.	Another room.
Cordless, 10 lines or less	$5.00	$8.00
Cord board, 40 lines or less	10.00	18.00
Cord board, over 40 lines	Estimated cost.	

  - Outside move during first year or within 1 year from last free move—
    - Cordless, 10 lines or less $10.00
    - Cord board, 40 lines or less 18.00
    - Cord board, over 40 lines ..... Estimated cost.
- No. 2 private branch exchanges and No. 1 residence systems—First or subsequent years, estimated cost.

ROCHESTER, N. Y.

NET ANNUAL EXCHANGE RATES OF THE ROCHESTER TELEPHONE CO. IN EFFECT FEB. 1, 1914.

Individual and party-line service:

	Individual line.	2-party line.	4-party line.
Business	$48.00	$40.00	.....
Residence	36.00	30.00	$24.00

Extensions:

	Individual line.	2-party line.	4-party line.
Business:			
Station	$12.00	$12.00	$12.00
Bell	2.00	2.00	2.00
Residence:			
Station	10.00	10.00	10.00
Bell	2.00	2.00	2.00

Temporary service: Pro rata rate, plus cost of installation and removal.

Private branch exchange:
- Business (5-year contract, renewing itself from year to year after expiration; except with the city of Rochester and such other institutions as are prohibited by their respective charters or by-laws from making contracts for a period of more than 1 year. No charge for use of private switchboard, battery, or generator circuits. Subscriber pays expense of operating the private switchboard)—
  - Trunks, each $48.00
  - Subscribers' stations, each 12.00
  - Outside subscribers' stations, requiring 1 or more circuits, each circuit 25.00
  - Additional stations on such circuit 15.00
  - Systems operating 8 or more trunks, each trunk 30.00
  - Systems operating 40 or more subscribers' stations, each station 8.00
  - Systems owned and maintained by subscribers of less than 40 stations—
    - Battery and generating circuits, each 25.00
    - Trunks, each 48.00
    - Subscribers' stations, each 8.00
    - More than 40 subscribers' stations, trunks ..... Special.
- Hotels (10-year contract)—
  - 50 or more subscribers' stations, each, $2.
  - Each message to central station, 2 cents. No charge for battery or generator circuits. If equipment is owned and maintained by subscriber, no rental from subscribers' stations; 2½ cents charged for each outcoming message to central station.

ROCHESTER, N. Y.—Continued.

Intercommunicating ystem:
Business (5-year contract)—
Subscribers' stations, each $10.00
All other conditions and rates regulated by them, same as specified under private branch exchange.
esidence (owned and maintained by subscriber)—
Trunk, including 1 station $36.00
Two additional stations 8.00
Additional stations, below 30, each 2.00
Additional stations, more than 30, each 1.00
ircuits leased.—Circuits in use for telephone service, leased to the Denio General Electric Co. for attaching fire-alarm boxes, for one-half the rental collected by them for such fire-alarm boxes.
Morse circuits.—Lines used for press and brokers' telegraph reports, all telegraph apparatus furnished by subscriber, $100.

VILLAGE OF EAST ROCHESTER.

Business—Magneto trunk direct line, $75.

TOWN OF IRONDEQUOIT.

Not exceeding 6 miles from central station, magneto lines, open ringing:

	Individual line.	2-party line.	4-party line.
Business	$60.00	$48.00	$40.00
Residence	60.00	40.00	24.00
Business extension station	12.00	12.00	12.00
Residence extension station	10.00	10.00	10.00
Extension bell	2.00	2.00	2.00

Pay stations.—Summer residence rates, unlimited number on line, $12 per summer season for 150 messages to or from central station; 10 cents for each additional message.
Residence.—More than 6 miles from central station, magneto line, open ringing, individual line, $175.

TOWN OF BRIGHTON.

	Individual line.	2-party line.	4-party line.	Unlimited party line.
Residence:				
Magneto line, open ringing				$24.00
Three and not over 4 miles from central station, central energy, selective ringing	$50.00	$40.00	$30.00	
Extension stations	10.00	10.00	10.00	10.00
Extension bell	2.00	2.00	2.00	2.00

TOWN OF PITTSFORD.

More than 5 and less than 6 miles from central station:

	Individual line.	2-party line.	4-party line.
Residence:			
Central energy, open ringing	$90.00	$50.00	$40.00
Extension stations	10.00	10.00	10.00
Extension bell	2.00	2.00	2.00

More than 6 and less than 6½ miles from central station:

	Individual line.	2-party line.	4-party line.
Residence:			
Central energy, selective ringing	$150.00	$125.00	$75.00
Extension stations	10.00	10.00	10.00
Extension bell	2.00	2.00	2.00

PART OF TOWNS OF CHILI, GATES, GREECE, HENRIETTA, PENFIELD, AND PITTSFORD.

Residence—Magneto line, open ringing, unlimited party line, $24.

FOREST LAWN, TOWN OF WEBSTER.

Residence:
Megneto line, open ringing $40.00
Pay station, $12 per summer season for 150 messages, 10 cents for each additional message, unlimited number of subscribers on a line.
Extension stations 10.00
Extension bell 2.00

ROODHOUSE, ILL.

NET ANNUAL EXCHANGE RATES OF THE ILLINOIS TELEPHONE CO. IN EFFECT DEC. 31, 1914.

Business $24.00
Business with extension on same line in same building 36.00
Residence 12.00
Rsidence with extension on same line in same building 18.00

RUSH CITY, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Business station, individual line, $24.
Residence station, individual line, $18 and $12.
Extension station, $6.
Rural phone, $15.
Rural connecting companies, $2.50 per curcuit per month and 10 cents each for all stations in excess of 10 to a circuit.

SACRAMENTO, CAL.

NET ANNUAL EXCHANGE RATES OF THE PACIFIC TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1912.

[The local service area includes all of Sacramento.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Auxiliary line.	Extension station.
Business	$72.00	$42.00		Inward $36.00; Both-way 54.00	$12.00
Residence	36.00	27.00	18.00		6.00

Message rates (on monthly guarantee basis).

Business only:
Local messages per annum 960
Individual line $42.00
Additional local messages $0.02
Both-way auxiliary line $30.00
Extension station $9.00

Subscribers' coin-box rates.

	Guarantee (on monthly basis).	Minimum charge.	Local messages (cents).	Extension station.
Business, 1-party	3 local messages per day	$54.75	[1] 5	$12.00
Business, 2-party	2 local messages per day	36.50	[2] 5	12.00
Residence, 1-party	1½ local messages per day	27.38	[1] 5	6.00

[1] Refund of 2½ cents per message on local message charges in excess of guarantee.
[2] Refund of 2 cents per message on local message charges in excess of guarantee.

Individual and party-line short-term service:
Three-months' contracts, double regular rate for period of service.
Three to six months' contracts, regular rate for period of service plus 50 per cent.
Six to nine months' contracts, regular rate for period of service plus 25 per cent.
Rural line service (suburban service):
Business $36.00
Residence 30.00
The company builds circuits up to 5 miles from the central office provided there is an average of 2 or more stations per mile of circuit. Beyond 5 miles the subscribers pay part or all of the construction cost.
No. 1 private branch exchanges:
Commercial and department store—Flat rates (an installation charge is made if the contract period is less than 3 years. Contracts are not accepted for less than 2 trunk lines and 4 stations, excluding operators' telephones)—
Switchboard, cordless, with battery power, ringing circuit, and an operator's telephone—
Capacity 2 trunks, 4 lines $30.00
Capacity 3 trunks, 7 lines 39.00
Switchboard, cord, with battery power, ringing circuit, and an operator's telephone for each position, per position 60.00
First trunk line, both-way 96.00
Additional trunk lines, both-way, each 72.00
Trunk lines, incoming, each 36.00
Trunk lines, outgoing, each 72.00
Stations, each 12.00
Hotel and apartment house—Flat rates (contracts are not accepted for a period of less than 3 years nor for less than 2 trunk lines. Subscribers contract for an additional trunk line for each 25 stations or fraction thereof connected in excess of 50. Subscribers furnish wiring between the switchboard and stations)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, equipped for 15 lines $24.00
Additional switchboard equipment for each group of 5 lines or fraction thereof 2.40
First trunk line, both-way 96.00
Additional trunk lines, both-way, each 72.00
Trunk lines, incoming, each 36.00
Trunk lines, outgoing, each 72.00
Stations, not in guest rooms, wall or desk, each 12.00
Stations, in guest rooms, each—

	Desk set.	Wall set.
1 to 10	$9.00	$6.00
11 to 20	8.40	5.40
21 to 35	7.80	4.80
36 to 50	7.20	4.20
Over 50	6.00	3.00

Commercial and department store—Message rates (an installation charge is made if the contract period is less than 3 years. Contracts are not accepted for less than 2 trunk lines and 4 stations, excluding operators' telephones)—
Switchboard, cord, with battery power, ringing circuit, an operator's telephone for each position, two both-way trunk lines and 3,000 local messages per annum (on a monthly basis) $120.00
Additional trunk lines, both-way only, each 24.00

SACRAMENTO, CAL.—Continued.

No. 1 private branch exchanges—Continued.
Stations, each—
1 to 20 ..... $9.00
Over 20 ..... 6.00
Additional local messages, each 0.02
Hotel and apartment house—Message rates (contracts are not accepted for periods of less than 3 years. Subscribers furnish wiring between the switchboards and stations)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, no additional charge.
Trunk lines, both-way only, no additional charge.
Stations, not in guest rooms, wall or desk, each, $12.
Stations, in guest rooms, each—

	Desk set.	Wall set.
1 to 10	$9.00	$6.00
11 to 20	8.40	5.40
21 to 35	7.80	4.80
36 to 50	7.20	4.20
Over 50	6.00	3.00

Local messages, each, 2½ cents.
No. 2 private branch exchanges—Business—Flat rates (under 3-year contracts an installation charge is made to cover the cost of cable in excess of 300 feet. Under 1-year contracts an installation charge is made to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 2 trunk lines and 4 stations):
Receiving station, with switching device, battery power, and ringing circuit—
Equipped for 10 lines $24.00
Equipped for 20 lines 27.00
Equipped for 30 lines 30.00
First both-way trunk line 96.00
Additional trunk lines, both-way, each 72.00
First outgoing trunk line 72.00
Additional trunk lines, outgoing, each 54.00
Trunk lines, incoming, each 36.00
Stations, with switching device, each—
Equipped for 10 lines 15.00
Equipped for 20 lines 18.00
Equipped for 30 lines 21.00
No. 1 residence systems—Flat rates (an installation charge is made to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 3 stations):
Receiving station, with switching device, battery power, ringing circuit, and 1 both-way trunk line—
Equipped for 10 lines $48.00
Equipped for 20 lines 51.00
Equipped for 30 lines 54.00
Additional trunk lines, both-way, each 24.00
Stations, with switching device, each—
Equipped for 10 lines 9.00
Equipped for 20 lines 12.00
Equipped for 30 lines 15.00
No. 2 private branch exchanges—Business—Message rates (under 3-year contracts an installation charge is made to cover the cost of cable in excess of 300 feet. Under 1-year contracts an installation charge is made to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 4 stations):
Receiving station, with switching device, battery power, ringing circuit, necessary outgoing trunk lines, 1 incoming trunk line, and 3,000 local messages, per annum (on a monthly basis)—
Equipped for 10 lines $108.00
Equipped for 20 lines 111.00
Equipped for 30 lines 114.00
Additional trunk lines, incoming, each 36.00
Stations, with switching device, each—
Equipped for 10 lines 12.00
Equipped for 20 lines 15.00
Equipped for 30 lines 18.00
Additional local messages, each 0.02
Excess exchange line mileage (mileage charges are computed on route measurements beyond the city limits):
Individual line, per quarter-mile or fraction thereof $6.00
Two-party line, per station, per quarter-mile or fraction thereof 4.20
Four-party line, per station, per quarter-mile or fraction thereof 3.00
Extension line mileage (mileage charges are computed on route measurements), extension lines, per quarter-mile or fraction thereof, $6.
Extra directory listings:
Business or residence, each $3.00
Hotel, names of guests, each 6.00
Joint-user service:
Flat rates, business only 18.00
Message rates or subscribers' coin-box rates 3.00
Moving charges (no charge is made for moving station equipment in case the initial contract period has expired, provided the subscriber signs a new contract). Except as noted, the following charges apply:
Moving a station to another location—
In the same room $1.00
In the same building 2.00
In another building 3.50

SAGINAW, MICH.

NET ANNUAL EXCHANGE RATES OF THE MICHIGAN STATE TELEPHONE CO. IN EFFECT AUG. 24, 1914.

Individual and party-line service (flat rates):

	Individual line.	2-party line.	Extension station.
Business	$46.00	$36.00	$9.00
Residence	24.00	20.00	With bell, 9.00 Without bell, 6.00

Individual and party-line short-term service.—The charge is the proportionate part of the annual rate for the class of service employed, plus a termination charge equal to 50 per cent of the rate for the unexpired portion of the contract term, maximum termination charge $7.50.
Rural-line service, business or residence, $18.

SAGINAW, MICH.—Continued.

No. 1 private branch exchanges:
Commercial and department store—Flat rates—
Switchboard, cord or cordless, including battery power and ringing circuit $12.00
Operator's telephone 12.00
Trunk lines, both-way only, each 46.00
Stations, each—
Main 12.00
Extension 9.00
Hotel—Flat rates (subscribers bear the cost of wiring)—
Switchboard, cord only, with battery power, ringing circuit, and 1 operator's telephone 6.00
Trunk lines, both-way only, each 46.00
Stations, main or extension, each 6.00
Hotel—Message rates (subscribers bear the cost of wiring)—
Switchboard, cord only, with battery power, ringing circuit, and 1 operator's telephone 6.00
Trunk lines, no additional charge.
Stations, each 6.00
Local messages, each 0.05
No. 2 private branch exchanges:
Flat rates—
Trunk lines—
Business, both-way only, each 46.00
Residence, both-way only, each 24.00
Stations with switching device—
Business 18.00
Residence (if subscriber pays installation charges the rate is $12) 15.00
Excess exchange line mileage (mileage charges are computed on air-line distances beyond the base-rate area):
Individual line, per quarter-mile or fraction thereof $3.00
Two-party line, per station, per quarter-mile or fraction thereof 2.00
Four-party line, per station, per quarter-mile or fraction thereof 1.00
Extension and tie-line mileage, per quarter-mile or fraction thereof, route measurements, $7.60.
Extra directory listings, business or residence, $3.
Joint-user service, business or residence, $6.
Moving charges (if the initial contract term has not expired and subsequently, if the contract is not renewed for the ensuing term):
Inside move, per main station and associated apparatus $1.00
Outside move, per main station and associated apparatus 2.00
No. 1 private branch exchange switchboard or No. 2 private branch exchange station ..... At cost.

ST. CHARLES, MO.

NET ANNUAL EXCHANGE RATES OF THE KINLOCH LONG-DISTANCE TELEPHONE CO. IN EFFECT MAY 2, 1914.

Individual and party-line service:

	Individual line.	2-party line.	4-party line.
Business	$30.00	$24.00	.....
Residence	18.00	15.00	$13.20

Extensions:
Business stations $12.00
Residence stations 6.00

ST. JOSEPH, MO.

NET ANNUAL EXCHANGE RATES OF THE MISSOURI & KANSAS TELEPHONE CO. IN EFFECT AUG. 22, 1914.

Individual and party-line service (flat rates):

	Individual line.	2-party line.	Incoming auxiliary line.	Extension station.
Business	$60.00	$48.00	$36.00	$12.00
Residence	30.00	24.00	.....	(1)

[1] Desk set, $12; wall set, $7.80. Wall set without bell, $6.

Individual and party-line short-term service. The charge is the proportionate part of the annual rate for the class of service employed, minimum period 1 month, plus a termination charge equal to $1 per month for the unexpired portion of the inital contract year.
Rural-line service, business or residence, $18.
Contracts are not accepted for less than 4 nor more than 10 subscribers on a line, nor for an average of less than 1 subscriber per mile of circuit.
No. 1 private branch exchanges:
Commercial and department store—Flat rates (contracts are not accepted for less than 3 stations, excluding operators' telephones)—
Switchboard, cordless, with battery power and an operator's telephone, capacity 3 trunks, 7 lines $24.00
Switchboard, cord, with battery power and an operator's telephone for each position, capacity 80 lines—
Equipped for 15 lines or less 24.00
Additional equipment, for each group of 5 lines or less 2.40
Trunk lines, both-way only, each 60.00
Stations, each—
1 to 40 ..... 12.00
41 to 60 ..... 9.00
61 to 80 ..... 6.00
81 to 100 ..... 3.60
Over 100 ..... 3.00
Ringing circuit 24.00

ST. JOSEPH, MO.—Continued.

No. 1 private branch exchanges—Continued.
Family hotel and apartment house—Flat rates (subscribers furnish and maintain wiring between switchboard and stations in hotel rooms. Contracts are not accepted for less than 3 stations, excluding operators' telephones)—
Switchboard, cordless, with battery power and operator's telephone, capacity 3 trunks, 7 lines $24.00
Switchboard, cord, with battery power and an operator's telephone for each position, capacity 80 lines—
Equipped for 15 lines or less $24.00
Additional equipment for each group of 5 lines or less 2.40
Trunk lines, both-way only, each 60.00
Stations, each—
1 to 10 ..... 6.00
11 to 20 ..... 5.40
21 to 35 ..... 4.80
36 to 50 ..... 4.20
51 to 100 ..... 3.60
Over 100 ..... 3.00
Ringing circuit 24.00
Transient hotel—Message rates (subscribers furnish and maintain the wiring between the switchboard and stations in hotel rooms)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, no additional charge.
Trunk lines, both-way only, no additional charge.
Stations, each—
1 to 10 ..... $6.00
11 to 20 ..... 5.40
21 to 35 ..... 4.80
36 to 50 ..... 4.20
51 to 100 ..... 3.60
Over 100 ..... 3.00
Local messages, each 0.02½
No. 2 private branch exchanges:
Business and residence—Flat rates. (The company furnishes the interior wiring. An installation charge is made where excessive construction is necessary. Contracts are not accepted for less than 3 stations. The maximum equipment furnished consists of 10 lines)—
Trunk lines, both-way only, each—
Business $60.00
Residence 30.00
Stations, with switching device, each—
Business 15.00
Residence 12.00
Stations, without switching device, each 12.00
Excess exchange line mileage (charges are computed on air-line distances beyond the city limits):
Individual line, per quarter-mile or fraction thereof $6.00
Two-party line, per station, per quarter-mile or fraction thereof 4.20
Extension and tie-line mileage (charges are computed on the shortest established route between terminals), per quarter-mile or fraction thereof, $6.
Extra directory listings, business or residence, each, $3.
Joint-user service:
Business $12.00
Residence 6.00
Moving charges:
Inside move—
Same room 1.00
Same building 1.50
Outside move 2.50

ST. LOUIS. MO.

NET ANNUAL EXCHANGE RATES OF THE KINLOCH TELEPHONE CO. IN EFFECT MAY 2, 1914.

[Exchange area includes St. Louis, Maplewood, and University City, Mo., and East St. Louis, Ill.]

Individual and party-line service:

	Individual line.	2-party line.	4-party line.
Business	$72.00	$60.00	.....
Residence	48.00	36.00	$24.00

Excess exchange-line mileage (based on air-line distance from exchange limits to subscriber's station):
Individual line, per quarter mile or fraction thereof $9.00
Two-party line, per subscriber, per quarter-mile or fraction thereof 6.00
Four-party line, per subscriber, per quarter-mile or fraction thereof 4.00
Private branch exchanges:
Commercial—
Trunks, unlimited, each 125.00
Trunks, limited, each 48.00
Switchboards, cord circuit, standard 50.00
Stations, each 6.00
Excess mileage on all outlying stations, per quarter-mile or fraction thereof 7.50
Hotels—
Switchboards 60.00
Stations 3.00
The subscriber furnishes and pays operator.
Intercommunicating automatic system.—Subscriber pays cost of interior wiring. No operator is required. Minimum service, 1 trunk and 3 stations; maximum service, 2 trunks and 8 stations. Business trunks unlimited, each $125 per annum. Business stations $12 each per annum. Residence trunks, $60; stations, $9.
Extensions:
Business stations $18.00
With outside connections 24.00
Desk sets 6.00
Residence stations (desk or wall set, optional) 12.00
Bells (within building)—
Standard, installation charge 8.00
Loud ringing, installation charge 15.00
Extension arms, common battery exchanges only, 75 cents per annum, or installation charge, $5. Switching key, 2-point switch, installation, each, $5.
Private lines:
Mileage, each quarter-mile or fraction thereof, route measurement $9.00
Telephone sets, standard equipment, each 12.00
Jacks, in connection with portable sets, installation, each 5.00

ST. LOUIS, MO.—Continued.

Moving charges:
Stations, any location, not to exceed $5.
Changes of location of private branch exchange or intercommunicating system will be charged for at actual cost.
No moving charge will be made if instrument has been in continuous service for 1 year or more at the present location, or when move is accompanied by change to a higher grade of service, providing subscriber signs new contract.
Directory service:
Extra listing, per line, nonsubscriber $3.00
Extra listing, per line, regular subscriber 6.00
Boldfaced type, per line 2.50
Extra listings 3.00

ST. LOUIS, MO., AND EAST ST. LOUIS, ILL.

NET ANNUAL EXCHANGE RATES OF THE SOUTHWESTERN TELEGRAPH & TELEPHONE CO. (OF MISSOURI) IN EFFECT AUG. 22, 1914.

In the application of exchange rates, St. Louis, University City, Maplewood, and Welston, Mo., and East St. Louis, Ill., together with the suburban municipalities of Granite City, Madison, and Venice, Ill., are treated as one area. The rates shown below under Schedule I are available in all of this area, whereas the rates shown below under Schedule II are available in all parts of the area except ing the cities of St. Louis, University City, Maplewood, and Welston. All subscribers in Granite City, Madison, and Venice are served from one central office in Granite City. Those stations served under Schedule I bear the designation "Illinois," and those stations served under Schedule II bear the designation "Tri-City." There is no toll charge for messages, in either direction, between "Illinois" subscribers and subscribers under Schedule I in St. Louis or East St. Louis, but there is a toll charge for messages in either direction between "Tri-City" subscribers and subscribers served by any other central office. Subscribers in University City, Maplewood, and Welston are served from St. Louis, Mo.

Individual and party-line service:

SCHEDULE I.

This schedule is available in St. Louis, University City, Maplewood, Welston, East St. Louis, Granite City, Madison, and Venice, and, with mileage charges when applicable, entitles subscribers to messages, without other charges, to all stations in Granite City, Madison, and Venice, which bear the designation "Illinois," and all stations bearing the designation of any St. Louis or East St. Louis central office.

Flat rates.

	Individual line.	2-party line.	4-party line.	Extension station.
Business	$78.00	$66.00	.....	$18.00.
Residence	48.00	36.00	$24.00	$12.00; wall set without bell, $6.00.

Message rates [1] *(business only).*

Local messages per annum.	Individual line.	2-party line.	Additional local messages (cents).	Extension station.
600	$45.00	$39.00	4	$6.00
800	60.00	48.00	3	.....
1,800	72.00	.....	2	.....

[1] This service is not available to subscribers in Granite City, Madison, or Venice.

Subscribers' coin-box rates.[1]

	Guarantee.	Minimum charge.	Local messages (cents).
Business, 1-party	3 local messages per day	$54.00	[2] 5
Business, 2-party	2 local messages per day	36.00	[3] 5
Residence, 1 party	2 local messages per day	36.00	[2] 5
Residence, 2-party	1½ local messages per day	27.00	[3] 5

[1] This service is not available to subscribers in Granite City, Madison, or Venice.
[2] Refund of 2 cents per message on local message charges in excess of guarantee.
[3] Refund of 1 cent per message on local message charges in excess of guarantee.

SCHEDULE II.

This schedule is available to all subscribers in East St. Louis, and entitles such subscribers to local messages to all stations bearing the designation of an East St. Louis central office. The schedule is also available to all subscribers in Granite City, Madison, and Venice, and entitles such subscribers to local messages, without other charges, to all stations bearing the designation "Illinois" or "Tri-City."

Flat rates.

	Individual line.	2-party line.	4-party line.	Extension station.
Business	$42.00	$30.00	.....	$12.00
Residence	30.00	24.00	[1] $18.00	6.00

[1] Not available in East St. Louis.

ST. LOUIS, MO., AND EAST ST. LOUIS, ILL.—Continued.

SCHEDULE II—Continued.

Individual and party-line short-term service.—The charge is the proportionate part of the annual rate for the class of service employed, plus a termination charge equal to $1 per month for the unexpired portion of the initial contract year.

No. 1 private branch exchanges:
- Commercial—Flat rates (contracts are not accepted for less than 2 trunk lines and 2 stations, excluding operators' telephones)—
  - Switchboard, nonmultiple, with battery power, ringing circuit, and an operator's telephone for each position, equipped for—
    - 10 lines or less $30.00
    - 11 to 50 lines 48.00
    - 51 to 100 lines 96.00
    - Over 100 lines, per line 1.20
  - Switchboard, cord, multiple, with battery power, ringing circuit, and an operator's telephone for each position, equipped for—
    - 100 lines or less $275.00
    - Over 100 lines, per line 2.75
  - First trunk line, both-way only 120.00
  - Additional trunk lines, both-way only, each 72.00
  - Stations, each 6.00
- Commercial—Message rates (contracts are not accepted for less than 2 trunk lines and 2 stations, excluding operators' telephones)—
  - Switchboard, with battery power, ringing circuit, and an operator's telephone for each position, equipped for—
    - 10 lines or less $30.00
    - 11 to 50 lines 48.00
    - 51 to 100 lines 96.00
    - Over 100 lines, per line 1.20
  - Switchboard, cord, multiple, with battery power, ringing circuit, and an operator's telephone for each position, equipped for—
    - 100 lines or less $275.00
    - Over 100 lines, per line 2.75
  - Trunk lines, both-way only, each 30.00
  - Stations, each 6.00
  - Guaranteed local messages per annum, 3,000 ..... 75.00
  - Additional local messages, each 0.02
- Department store—Message rates (contracts are not accepted for less than 2 trunk lines and 2 stations, excluding operators' telephones)—
  - Switchboard, cord or cordless, with battery power, ringing circuit, an operator's telephone for each position, and 3,600 local messages per annum $108.00
  - Trunk lines, both-way only, each 36.00
  - Stations, each 6.00
  - Additional local messeages, each 0.03
- Hotel—Message rates (contracts are not accepted for less than 25 stations, excluding operators' telephones)—
  - Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, equipped for—
    - 25 to 75 lines $60.00
    - 76 to 100 lines 90.00
    - 101 to 125 lines 150.00
    - 126 to 150 lines 180.00
    - 151 to 200 lines 240.00
    - Over 200 lines 300.00
  - Trunk lines, both-way only, no additional charge.
  - Stations, each—
    - First 75 ..... 6.00
    - 76 to 125 ..... 5.40
    - 126 to 200 ..... 4.80
    - Over 200 ..... 4.20
  - Local messages, each 0.03

No. 2 private branch exchanges:
- Business and residence—Flat rates (contracts are not accepted for less than 4 stations)—
  - Trunk lines, both-way only, each $72.00
  - Stations, with switching device, each 18.00

Excess exchange line mileage (charges are computed on air-line distances beyond the base-rate area)—
- Individual line, per quarter-mile or fraction thereof $10.00
- Party line, per station, per quarter-mile or fraction thereof 5.00

Extension and tie-line mileage, per quarter-mile or fraction thereof, air-line distance, $7.50.

Extra directory listings:
- Business, each $5.00
- Residence, each 3.00

Joint-user service:
- Business 10.00
- Residence without listing in the classified list 3.00
- Residence with listing in the classified list 5.00

Moving charges.—Moves of individual-line or party-line stations are made without charge, provided the subscriber has had service at the same location for one or more years. Moves of private branch exchanges are made without charge, provided the initial contract period has expired. Except as provided, the following charges apply—
- Individual and party line stations—
  - Moved to another location—
    - In the same room $1.00
    - In the same building 2.00
    - In another building 5.00
- Private branch exchanges, estimated cost.

ST. PAUL, MINN.

NET ANNUAL EXCHANGE RATES OF THE NORTHWESTERN TELEPHONE EXCHANGE CO. IN EFFECT AUG. 11, 1914.

[The local service area includes St. Paul, South St. Paul, and North St. Paul.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	Inward auxiliary line.	Extension station.
Business	$72.00	$48.00	$24.00	Desk set, $12.00 Wall set, 6.00
Residence	30.00	24.00	.....	Desk set, 12.00 Wall set, 6.00

ST. PAUL, MINN.—Continued.

Individual and party-line service—Continued.

Subscribers' coin-box rates.

	Guarantee.	Minimum charge.	Local messages. (cents).[1]
Business only, 1-party	$6 per month in local messages	$72.00	5
Business only, 2-party	$4 per month in local messages	48.00	5

[1] Refund of 2½ cents per message on local message charges in excess of guarantee.

Individual and party-line short-term service.—The charge is the proportionate part of the annual rate for the class of service employed, plus the cost of installation and disconnection.

Rural line service:
- Business $36.00
- Residence 30.00

Private branch exchange service:

No. 1 private branch exchanges—
- Commercial and department store—Flat rates (an installation charge is made if the contract period is less than 3 years. Contracts are not accepted unless the revenue to be derived therefrom is at least $240 per annum)—
  - Switchboard, cord or cordless, with battery power, ringing circuit, and an operator's telephone for each position $12.00
  - Trunk lines, both-way, each 72.00
  - Trunk lines, incoming, each 24.00
  - Trunk lines, incoming, with privilege of sending local messages at 3 cents each 24.00
  - Stations, each 12.00
- Family hotel and apartment house—Flat rates (flat-rate private branch exchange service is not furnished to transient hotels)—
  - Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position $6.00
  - Trunk lines, both-way, each 72.00
  - Trunk lines, incoming, each 25.00
  - Stations, each 6.00
- Transient hotels—Message rates (subscribers bear the cost of wiring)—
  - Switchboard, cord only, with battery power and ringing circuit, and an operator's telephone for each position 3.50
  - Trunk lines, incoming or both-way, no additional charge.
  - Stations, each 3.50
  - Local messages, each 0.02½

No. 2 private branch exchanges—
- Business and residence—Flat rates (contracts are not accepted for a period of less than 3 years nor when the annual revenue to be derived therefrom is less than that obtained from 1 both-way trunk line and 5 stations. This class of service is furnished for banks and offices but not for factories, large wholesale houses, or places of similar nature where extensive cabling is required)—
  - Trunk lines, both-way only, each—
    - Business $72.00
    - Residence 30.00
  - Stations, with switching device, each 12.00

Excess exchange-line mileage: All classes of service, per half-mile or fraction thereof, air-line distance, beyond city limits, $6.

Extension line mileage: For each half-mile or fraction thereof, air-line distance, beyond the first-quarter mile, $6. The charge for private branch exchange station or extension stations not on the same premises as the switchboard or the main station is $24 per annum, the excess rate being in lieu of the first quarter-mile, or fraction, of circuit.

Extra directory listings, business or residence, $1.50.

Joint-user service, business only, $12.

Moving charges:
- Individual and party lines, no charge.
- Private branch exchanges, actual cost.

ST. PAUL. MINN,

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Individual line, flat rate:
- Business station $48.00
- Extension 12.00
- Residence station 30.00
- Extension 6.00

Private branch exchange and intercommunicating service: Trunk, each, $48.

SALT LAKE CITY, UTAH.

NET ANNUAL EXCHANGE RATES OF THE MOUNTAIN STATES TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 21, 1914.

[The local service area embraced by this schedule includes Salt Lake City, Murray, and Midvale.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Extension station.
Business	$78.00	.....	.....	$12.00
Residence	36.00	$30.00	$24.00	6.00

Subscribers' coin-box rates.

	Guarantee.	Minimum annual charge.	Local messages (cents).	Extention station.
Business only, 1-party	3 local messages per day	$54.75	[1] 5	$12.00

[1] Refund of 2 cents per message on local message charges in excess of guarantee.

SALT LAKE CITY, UTAH—Continued.

Rural-line service:
- Business $48.00
- Residence 24.00

No. 1 private branch exchanges:
- Commercial and department store—Flat rates (contracts are not accepted for periods of less than 3 years. Cord switchboards are furnished only under contracts for 6 or more stations, excluding operators' telephones)—
  - Switchboard, cord or cordless, with battery power, ringing circuit, and an operator's telephone for each position, per position $96.00
  - Trunk lines, both-way only, each 90.00
  - Stations, each 12.00
- Transient and family hotel—Message rates (installation charges are made if the expense incurred exceeds $100, in which case subscribers are ordinarily required to bear at least one-half the cost in excess of this amount. No installation charges are made when buildings have been wired at the subscribers' expense. Contracts are not accepted for periods of less than 3 years, nor for less than 25 stations, including operators' telephones)—
  - Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, per position $84.00
  - Trunk ines, both-way only, no additional charge.
  - Stations, each 4.80
  - Local messages, each 0.02½

No. 2 private branch exchanges:
- Business and residence—Flat rates (contracts are not accepted for periods of less than 3 years)—
  - Trunk lines, both-way only, each—
    - Business $78.00
    - Residence 36.00
  - Stations, with switching device—
    - Business, each 18.00
    - Residence each 9.00

Short-term service: Individual and party-line service is furnished under a 3-months contract at regular rates plus an installation charge of $2.50. In cases where an instrument is already in place, the installation charge does not apply. Private branch exchange service is furnished at the regular rate for the period of service, plus the cost of installation and disconnection plus 15 per cent. The minimum charge is for a period of one month.

Excess exchange line mileage (no mileage is charged within the city limits. Charges are computed on route measurements. On party lines charges are prorated between the subscribers):
- Individual or party lines, per line, per quarter-mile or fraction thereof $5.40

Extension and tie-line mileage:
- Extension lines, per quarter-mile or fraction thereof 5.40
- Tie lines—
  - First mile or fraction thereof 40.00
  - Each additional quarter-mile or fraction thereof 5.40

Extra directory listings, each, per annum 4.20

Joint-user service, business only 30.00

Moving charges:
- Individual and party-line stations—
  - Before the expiration of the initial contract term—
    - Move to another location on same premises 1.00
    - Move to another premises 2.00
- No. 1 private branch exchange switchboard and No. 2 private branch exchange stations, actual cost plus 15 per cent.

SAN ANTONIO, TEX.

NET ANNUAL EXCHANGE RATES OF THE SOUTHWESTERN TELEGRAPH & TELEPHONE CO. (OF NEW YORK) IN EFFECT AUG. 22, 1914.

Individual and party-line service (flat rates):

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Extension station.
Business	$60.00	$42.00	$24.00	$30.00	$12.00
Residence	24.00	18.00			Desk set, $12.00; Wall set, $6.00

Rural-line service:
- Business $36.00
- Residence 24.00

No. 1 private branch exchanges:
- Commercial and department store—Flat rates (contracts are not accepted for less than 2 trunk lines and 4 stations, including operators' telephones)—
  - Switchboard, cord or cordless, with battery power and ringing circuit without operators' telephones, no additional charge.
  - Trunk lines, both-way, each $60.00
  - Stations, each 24.00
- Transient hotel—Message rates (subscribers furnish the wiring. All other installation expense is borne by the company)—
  - Switchboard, cord only, with an operator's telephone for each position—
    - Nonmultiple—
      - Magnetic signal, capacity 30 lines $24.00
      - Lamp signal, capacity 30 lines 30.00
      - Magnetic signal, capacity 80 lines 30.00
      - Lamp signal, capacity 80 lines 39.00
    - Multiple—
      - Magnetic signal, capacity 200 lines 48.00
      - Lamp signal, capacity 240 lines 48.00
      - Lamp signal, equipped for—
        - 240 to 500 lines 60.00
        - Over 500 lines 72.00
  - Trunk lines, both-way only, no additional charge.
  - Stations, each—
    - First 25 ..... 5.00
    - Over 25 ..... 3.00
  - Local messages, each 0.02½
  - Battery power 24.00
  - Ringing circuit—
    - Nonmultiple switchboard—
      - Capacity 30 lines 12.00
      - Capacity 80 lines 18.00
    - Multiple switchboard—
      - Magnetic signal, capacity 200 lines 18.00
      - Lamp signal, capacity 300 lines 24.00
      - Lamp signal, capacity 500 lines, equipped for—
        - 240 lines 30.00
        - Over 240 lines 36.00

SAN ANTONIO, TEX.—Continued.

No. 2 private branch exchanges and No. 1 residence systems—Flat rates (subscribers furnish the cabling. Contracts are not accepted for less than 2 trunk lines and 6 stations for business service nor for less than 1 trunk line and 4 stations for residence service):
- Trunk lines, both-way only, each—
  - Business $60.00
  - Residence 24.00
- Stations, with switching device, each—
  - Business 24.00
  - Residence 12.00

Short-term service.—The charge is the proportionate part of the annual rate for the class of service employed, the minimum charge being the rate for 3 months, plus the cost of installation, except in the case of private branch exchange trunk lines for which the charge is $7.50 per month, for a minimum period of 6 months.

Excess exchange line mileage (charges are computed on air-line distances, beyond 2 miles from the central office for business service, and 3 miles for residence service):
- Individual line, per quarter-mile or fraction thereof $3.00
- Party line, per station, per quarter-mile or fraction thereof 3.00

Extension and tie-line mileage.—Per quarter-mile or fraction thereof (route measurement), $3.

Extra directory listings, business or residence, each, $4.

Joint-user service:
- Business $12.00
- Residence 6.00

Moving charges.—Within the initial contract year, actual cost, minimum $1. After the expiration of the initial contract year, no charge is made if the contract is renewed for the next ensuing year.

SAN DIEGO, CAL.

NET ANNUAL EXCHANGE RATES OF THE PACIFIC TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1912.

[The local service area includes San Diego, Del Mar, La Jolla, La Mesa, and National City.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Auxiliary line.	Extension station.
Business	$60.00	$42.00		Inward, $36; Both-way, $45	$12.00
Residence	[1] 24.00	[1] 21.00	$18.00		6.00

[1] Between 2 and 3 miles from the central office the rates for individual and 2-party line residence service are $27 and $24, respectively.

Message rates (on monthly guarantee basis).

Business only:
- Local messages per annum 960
- Individual line $42.00
- Additional local messages 0.02
- Both-way auxiliary line 30.00
- Extension station 9.00

Subscribers' coin-box rates.

	Guarantee (on monthly basis).	Minimum charge.	Local messages (cents).	Extension station.
Business only:				
1-party	2½ local messages per day	$45.63	[1] 5	$12.00
2-party	2 local messages per day	36.50	[2] 5	12.00

[1] Refund of 2½ cents per message on local message charges in excess of guarantee.
[2] Refund of 2 cents per message on local message charges in excess of guarantee.

Individual and party-line short-term service:
- Three months' contracts, double regular rate for period of service.
- Three to six months' contracts, regular rate for period of service plus 50 per cent.
- Six to nine months' contracts, regular rate for period of service plus 25 per cent.

Rural-line service (suburban service):
- Business $36.00
- Residence 24.00
- The company builds circuits up to 5 miles from the central office, provided there is an average of 2 or more stations per mile of circuit. Beyond 5 miles the subscribers pay part or all of the construction cost.

No. 1 private branch exchanges:
- Commercial and department store—Flat rates (an installation charge is made if the contract period is less than 3 years. Contracts are not accepted for less than 2 trunk lines and 4 stations, excluding operators' telephones)—
  - Switchboard, cordless, with battery power, ringing circuit, and an operator's telephone—
    - Capacity, 2 trunks, 4 lines $30.00
    - Capacity, 3 trunks, 7 lines 39.00
  - Switchboard, cord, with battery power, ringing circuit, and an operator's telephone for each position, per position 60.00
  - First trunk line, both-way 84.00
  - Additional trunk lines, both-way, each 63.00
  - Trunk lines, outgoing, each 60.00
  - Trunk lines, incoming, each 36.00
  - Stations, each 12.00
- Hotel and apartment house—Flat rates (contracts are not accepted for a period of less than 3 years nor for less than 2 trunk lines. Subscribers contract for an additional trunk line for each 25 stations or fraction thereof connected in excess of 50. Subscribers furnish wiring between the switchboard and stations)—
  - Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, equipped for 15 lines $24.00
  - Additional switchboard equipment for each group of 5 lines or fraction thereof 2.40
  - First trunk line, both-way 84.00
  - Additional trunk lines, both-way, each 63.00
  - Trunk lines, incoming, each 36.00

SAN DIEGO, CAL.—Continued.

No. 1 private branch exchanges—Continued.
Hotel and apartment house—Flat rates—Continued.
Trunk lines, outgoing, each $60.00
Stations, not in guest rooms, desk or wall set, each 12.00
Stations, in guest rooms, each—

	Desk set.	Wall set.
1 to 10	$9.00	$6.00
11 to 20	8.40	5.40
21 to 35	7.80	4.80
36 to 50	7.20	4.20
Over 50	6.00	3.00

Commercial and department store—Message rates (an installation charge is made if the contract period is less than 3 years. Contracts are not accepted for less than 2 trunk lines and 4 stations, excluding operators' telephones)—
Switchboard, cord, with battery power, ringing circuit, an operator's telephone for each position, two both-way trunk lines, and 3,000 local messages per annum (on a monthly basis) $120.00
Additional trunk lines, both-way only, each 24.00
Stations, each—
1 to 20 ..... 9.00
Over 20 ..... 6.00
Additional local messages, each 0.02
Hotel and apartment house—Message rates (contracts are not accepted for periods of less than 3 years. Subscribers furnish wiring between the switchboard and stations)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, no additional charge.
Trunk lines, both-way only, no additional charge.
Stations, not in guest rooms, desk or wall set, each $12.00
Stations, in guest rooms, each—

	Desk set.	Wall set.
1 to 10	$9.00	$6.00
11 to 20	8.40	5.40
21 to 35	7.80	4.80
36 to 50	7.20	4.20
Over 50	6.00	3.00

Local messages, each, 2½ cents.
No. 2 private branch exchanges—Business—Flat rates (under 3-year contracts, an installation charge is made to cover the cost of cable in excess of 300 feet. Under 1-year contracts an installation charge is made to cover the labor of making the installation and cost of cable in excess of 300 feet. Contracts are not accepted for less than 2 trunk lines and 4 stations)—
Receiving station, with switching device, battery power, and ringing circuit—
Equipped for 10 lines $24.00
Equipped for 20 lines 27.00
Equipped for 30 lines 30.00
First trunk lines, both-way 84.00
Additional trunk lines, both-way, each 63.00
First outgoing trunk line 60.00
Additional trunk lines, outgoing, each 45.00
Trunk lines, incoming 36.00
Stations, with switching device, each—
Equipped for 10 lines 15.00
Equipped for 20 lines 18.00
Equipped for 30 lines 21.00
No. 1 residence systems—Flat rates (an installation charge is made to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 3 stations):
Receiving station with switching device, battery power, ringing circuit, and 1 both-way trunk line—
Equipped for 10 lines $48.00
Equipped for 20 lines 51.00
Equipped for 30 lines 54.00
Additional trunk lines, both-way, each 24.00
Stations with switching device, each—
Equipped for 10 lines 9.00
Equipped for 20 lines 12.00
Equipped for 30 lines 15.00
No. 2 private branch exchanges—Business—Message rates (under 3-year contracts an installation charge is made to cover the cost of cable in excess of 300 feet; under 1-year contracts an installation charge is made to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 2 trunk lines and 4 stations):
Receiving station with switching device, battery power, ringing circuit, necessary outgoing trunk lines, 1 incoming trunk line, and 3,000 local messages per annum (on a monthly basis)—
Equipped for 10 lines $108.00
Equipped for 20 lines 111.00
Equipped for 30 lines 114.00
Stations with switching device, each—
Equipped for 10 lines 12.00
Equipped for 20 lines 15.00
Equipped for 30 lines 18.00
Additional trunk lines, incoming 36.00
Additional local messages, each 0.02
Excess exchange line mileage (mileage charges are computed on route measurements beyond the base-rate area):
Individual line, per quarter-mile or fraction thereof $6.00
2-party line, per station, per quarter-mile or fraction thereof 4.20
4-party line, per station, per quarter-mile or fraction thereof 3.00
Extension line mileage (mileage charges are computed on route measurements), extension lines, per quarter-mile or fraction thereof, $6.
Extra directory listings:
Business or residence, each $3.00
Hotel, names of guests, each 6.00
Joint-user service:
Flat rates, business only 18.00
Message rates or subscribers' coin-box 3.00
Moving charges (no charge is made for moving station equipment in case the initial contract period has expired, if the subscriber signs a new contract. Except as noted, the following charges apply):
Moving a station to another location—
In the same room $1.00
In the same building 2.00
In another building 3.50

SAN DIEGO, CAL.—Continued.

NET ANNUAL EXCHANGE RATES OF THE SAN DIEGO HOME TELEPHONE CO. IN EFFECT JULY 21, 1914.

Individual and party-line service (automatic):

	Individual line.	2-party line.
Business	$48.00	$36.00
Residence	18.00	15.00

Individual and party-line service (manual):

	Individual line.	2 to 6 party line.
Business	$48.00	$36.00–$60.00
Residence	18.00	15.00– 60.00

Extension stations:
Desk $18.00
Wall 12.00
Private branch exchange:
Hotel stations ..... $3.00–$4.80
Business stations 6.00–15.00

SAN FRANCISCO, CAL.

NET ANNUAL EXCHANGE RATES OF THE PACIFIC TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1912.

[The local service area includes all of San Francisco.]

Individual and party-line service:

SCHEDULE I.

Flat rates.

Residence only:
Individual line $42.00
2-party line 36.00
4-party line 30.00
Extension station 6.00

Message rates (on monthly guarantee basis).

Local messages per annum.	Individual line.	Additional local messages (cents).	Extension station.
Business:			
900	$60.00	5	$6.00
2,100	90.00	4	.....
2,880	109.80	3½	.....
4,560	149.64	3	.....
6,360	180.00	2½	.....
9,000	209.76	2	.....
12,960	234.84	1½	.....
Residence:			
1,500	36.00	3	6.00

Subscribers' coin-box rates (on monthly guarantee basis).

	Local messages per annum guarantee.	Fixed annual charge.	Minimum charge.	Local messages (cents).	Extension station.
Business:					
1-party	720	$30.00	$66.00	5	$6.00
2-party	720	18.00	54.00	5	6.00

Guarantee (on monthly basis).	Minimum charge.	Local messages (cents).	Extension station.
Business:			
1-party, 5 local messages per day	$91.25	[1] 5	$6.00
2-party, 4 local messages per day	73.00	5	6.00
4-party, 2 local messages per day	36.50	5	.....
4-party, none	12.00	5	.....
Residence:			
2-party, 2 local messages per day	27.38	[2] 5	6.00
4-party, 1 local message per day	18.25	5	.....

[1] Refund of 1 cent per message on local message charges in excess of guarantee.
[2] The 2 local messages per day covered by the guarantee are at 3½ cents each, total 7½ cents per day. Additional local messages, 5 cents each.

SAN FRANCISCO, CAL.—Continued.

Individual and party line service—Continued.

SCHEDULE II.

This schedule is available in that section of San Francisco served by the Chinatown central office, and entitles subscribers to local service to all stations bearing the designation "Chinatown."

Flat rates, business and residence, individual line, $30.

Individual and party-line short-term service:

Flat rates—

Three months' contracts, double regular rate for period of service.

Three to six months' contracts, regular rate for period of service plus 50 per cent.

Six to nine months' contracts, regular rate for period of service plus 25 per cent.

Message rates—Regular contract rate for period of service plus one month's rental at lowest message rate for the same class of service.

No. 1 private branch exchanges:

Commercial and department store—Message rates (contracts are not accepted for a period of less than 3 years, nor for less than 2 trunk lines and 4 stations, excluding operators' telephones)—

Switchboard, cordless, with battery power, and an operator's telephone—

Capacity 2 trunk lines, 4 stations $30.00

Capacity 3 trunk lines, 7 stations 39.00

Switchboard, cord, with battery power and an operator's telephone for each position 60.00

Trunk lines, both-way only, each 30.00

Stations, each 6.00

Local messages, each—

First 1,000 ..... 0.02½

Next 2,000 ..... 0.02

In excess of 3,000 ..... 0.01½

Ringing circuit 21.00

Transient and family hotel and apartment house—Message rates (contracts are not accepted for a period of less than 3 years, nor for less than 2 trunk lines. Subscribers contract for an additional trunk line for each 25 stations or fraction thereof in excess of 50. Subscribers furnish wiring between the switchboard and stations)—

Switchboard, cord only, with battery power, and an operating telephone for each position, per position $60.00

Trunk lines, both-way only, each 30.00

Stations, each—

	Desk set.	Wall set.
First 50	$7.20	$6.00
In excess of 50	4.20	3.00

Local messages each, 2½ cents.

Ringing circuit, $21; no additional charge if subscriber contracts for 100 stations or more.

No. 1 residence systems—Flat rates (an installation charge is made to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 4 stations):

Receiving station with switching device, battery power, and ringing circuit—

Equipped for 10 lines $27.00

Equipped for 20 lines 30.00

Equipped for 30 lines 33.00

First trunk line, both-way 48.00

Additional trunk lines, both-way, each 36.00

Stations with switching device, each—

Equipped for 10 lines 9.00

Equipped for 20 lines 12.00

Equipped for 30 lines 15.00

Stations without switching device, each 6.00

No. 2 private branch exchanges—Business—Message rates (under 3-year contracts an installation charge is made to cover the cost of cable in excess of 300 feet. Under 1-year contracts an installation charge is made to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 4 stations):

Receiving station with switching device, battery power, ringing circuit, 1 both-way trunk line and local message guarantee according to message rate schedule—

Equipped for 10 lines, individual line business message rate plus $6.00

Equipped for 20 lines, individual line business message rate plus 9.00

Equipped for 30 lines, individual line business message rate plus 12.00

Stations with switching device, each—

Equipped for 10 lines 12.00

Equipped for 20 lines 15.00

Equipped for 30 lines 18.00

Stations without switching device, each 6.00

Additional local messages, individual-line business schedule rate.

Excess exchange-line mileage (mileage charges are computed on route measurements beyond the city limits):

Individual line, per quarter-mile or fraction thereof $6.00

Two-party line, per station, per quarter-mile or fraction thereof 4.20

Four-party line, per station, per quarter-mile or fraction thereof 3.00

Extension and tie-line mileage (mileage charges are computed on route measurement):

Extension lines, per quarter-mile or fraction thereof $6.00

Tie lines, per quarter-mile or fraction thereof—

Between switchboards contracted for by the same subscriber—

First mile or fraction thereof 30.00

Each additional quarter-mile or fraction thereof 7.50

Between switchboards contracted for by different subscribers—

First mile or fraction thereof 60.00

Each additional quarter-mile or fraction thereof 15.00

Extra directory listings, business or residence, each, $3.

Moving charges (no charge is made for moving station equipment in case the initial contract period has expired, provided the subscriber signs a new contract. Except as noted, the following charges apply):

Moving a station to another location—

In the same room $1.00

In the same building 2.00

In another building 3.50

SAVANNAH, GA.

NET ANNUAL EXCHANGE RATES OF THE SOUTHERN BELL TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 17, 1914.

Individual and party-line service:

Where the same charge is shown for service with different numbers of subscribers on a circuit, under business or residence flat rates or message rates, the lower grades of service are ordinarily employed only beyond the base-rate area, with mileage charges.

Flat rates.

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Extension station.
Business	$60.00	$48.00	$48.00	$30.00	$18.00
Residence	36.00	30.00	30.00	.....	Wall set 12.00; Desk set 18.00

Message rates (on monthly guarantee basis).

Local messages per annum.	Individual line.	2-party line.	4-party line.	Additional local messages (cents).	Extension station.
Business:					
900	.....	$36.00	$36.00	3	$18.00
1,200	$48.00	.....	.....	3	.....
Residence:					
804	.....	.....	24.00	3	Wall set 12.00; Desk set 18.00
Limit of charge per month	.....	.....	3.00	.....	.....

Individual and party-line short-term service:

Emergency service.—The charge is the regular monthly rate for the period of service plus the estimated expense of installation and disconnection.

Season service.—For not less than 4 months the charge is the regular rate for the period of service plus 50 per cent.

Private branch exchange service:

No. 1 private branch exchanges (contracts are for periods of 5 years)—

Commercial and department store—Flat rates—

Switchboard, cord or cordless, with 1 operator's telephone, $1 for each station originally connected, minimum charge, $24. When a considerable number of stations are subsequently connected or disconnected, the switchboard charge is modified accordingly.

Trunk lines, both-way, each $90.00

Trunk lines, incoming, each 45.00

Stations, main or extension, each 12.00

Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 36 cents per annum for each station, including operators' telephones. The maximum charge is $2 per annum per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 30,000.

Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.

Commercial and department store—Message rates—

Switchboard, cord or cordless, with 1 operator's telephone, $1 for each station originally connected, minimum charge $24. When a considerable number of stations are subsequently connected or disconnected, the switchboard charge is modified accordingly.

Trunk lines, both-way, each $48.00

Trunk lines, incoming, each 36.00

Stations, main or extension, each 6.00

Local messages.—One local message per month is allowed, without additional charge, for each 3 cents charged per month for trunk lines. No message allowance is included in charges for switchboard, stations, battery power, or ringing circuit. Additional local messages, each, 3 cents.

Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 36 cents per annum for each station, including operators' telephones. The maximum charge is $2 per annum per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 30,000.

Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.

Hotel and apartment house—Message rates—

Switchboard, cord or cordless, with 1 operator's telephone, 30 per cent of the cost, installed.

Trunk lines, both-way or incoming, each, $36. The average number of originating local messages per month for each trunk line in service must be 200 or more before an additional trunk line will be furnished.

Stations, main or extension, each—

When company installs and maintains inside wiring $6.00

When subscriber installs and maintains inside wiring 4.00

SAVANNNAH, GA.—Continued.

Private branch exchange service—Continued.
No. 1 private branch exchanges—Continued.
Hotel and apartment house—Message rates—Continued.

Local messages.—One local message per month is allowed without additional charge for each 3 cents charged per month for trunk lines. No message allowance is included in charges for switchboard, stations, battery power, or ringing circuit. Additional local messages, each, 3 cents.

Battery power.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum for each circuit; and a power charge of 12 cents per annum for each station, including operators' telephones. The maximum charge is 50 cents per station, including operators' telephones. The number of circuits required is determined by multiplying the number of feet, route measurement, between the switchboard and the central office by the number of stations connected with the switchboard, including operators' telephones, and dividing the product by 120,000.

Ringing circuit.—This charge is computed as follows: A circuit charge of $3 per annum per quarter-mile or fraction thereof, route measurement; a terminal charge of $6 per annum; and a power charge of $6 per annum.

No. 2 private branch exchanges—

Business and residence—Flat rates—(contracts are for periods of either 1 or 3 years. Under 1-year contracts subscribers pay the actual cost of cabling, including the cost of labor and material. Under 3-year contracts subscribers pay the actual cost of cabling in excess of 50 feet for any station, including the cost of labor and material. The maximum equipment furnished is that for 10 lines)—

	1-year contract.	3-year contract.
Trunk lines, both-way, each:		
Business	$90.00	$90.00
Residence	54.00	54.00
Trunk lines, incoming, each:		
Business	45.00	45.00
Residence	27.00	27.00
Receiving station, with switching device	18.00	18.00
Stations, main or extension, with switching device, each	12.00	15.00
Battery power and ringing circuit	15.00	15.00

Excess exchange-line mileage—Charges are computed on air-line measurements beyond the city limits at $5 per quarter-mile or fraction thereof and are quoted on a "per line" basis. On unfilled party lines the total charge for mileage bears the same relation to the above rate as the number of subscribers connected bears to the number that may be connected on that type of line. Under message-rate contracts, one local message per month is allowed, without additional charge, for each 3 cents per month of the mileage charge.

Extension and tie-line mileage:
- Extension lines, per quarter-mile or fraction thereof $5.00
- Tie lines, per quarter-mile or fraction thereof 10.00

Under message-rate contracts one local message per month is allowed, without additional charge, for each 3 cents per month of the mileage charge.

Extra directory listings, each, per annum, $3. Under message-rate contracts one local message per month is allowed without additional charge for each 3 cents per month of the charge for listings.

Joint-user service:

	Business.	Residence.
Flat rates:		
Individual line	$24.00	$12.00
Two-party line	18.00	6.00
Four-party line	18.00	6.00
Message rates:		
Individual line	12.00	.....
Two-party line	12.00	.....
Four-party line	12.00	6.00
Limit of charge per month	.....	1.00

Under message-rate contracts one local message per month is allowed, without additional charge, for each 3 cents per month of the charge for joint-user service.

Moving charges:
- Move to another location in the same office or room, each station $1.00
- Move to another location in the same building, each station 2.00
- Move to another building, together with extensions and supplemental equipment, if any, each main station 3.00
- Changing service from individual to party line, each main station 2.50
- Changing party-line subscriber to another party line, at subscriber's request 2.50
- Changing equipment at subscriber's request, when the change is not required for the efficiency of the service 1.50

Any move of a private branch exchange switchboard, together with all associated stations and apparatus, to another location on the same or different premises, estimated cost of labor and material.

SCHENECTADY, N. Y.

NET ANNUAL EXCHANGE RATES OF THE NEW YORK TELEPHONE CO. IN EFFECT AUG. 20, 1914.

[The local service area includes Schenectady, Carmen, Craig, Fullers, Niskayuna, Scotia, and South Schenectady.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Both-way auxiliary line.	Extension station.
Business	$60.00	$48.00	.....	$45.00	$6.00
Residence	36.00	30.00	$24.00	27.00	6.00

SCHENECTADY, N. Y.—Continued.

Individual and party-line service—Continued.

Message rates.

Business only:
- Local messages per annum 800
- 4-party line $36.00
- Additional local messages 0.04
- Extension station 6.00

Rural-line service:
- Business 30.00
- Residence 24.00

Private branch exchange service:
No. 1 private branch exchanges—
Commercial and department store—Flat rates (contracts are for not less than 2 stations, excluding operators' telephones)—
- Switchboard, cordless, with battery power and an operator's telephone $18.00
- Switchboard, cord, with battery power and an operator's telephone for each position—
  - First position $36.00
  - Additional positions, each 24.00
- First trunk line, both-way only 60.00
- Additional trunk lines, both-way only, each 45.00
- Stations, each 6.00
- Ringing circuit (no additional charge if subscriber contracts for either 3 trunk lines or 20 stations) 18.00

Hotel and apartment house—Message rates—
- Switchboard, with battery power and an operator's telephone for each position, $36.
- Stations, each, $6; no charge for stations, including booth equipment, placed in public corridors for the use of the general public.
- Trunk lines, both-way only, no additional charge.
- Local messages, each, public telephone rate.
- Ringing circuit, $18; no additional charge if subscriber contracts for 20 stations.

No. 2 private branch exchanges and No. 1 residence systems—Flat rates (an installation charge is made, to cover the cost of circuits between stations, including labor and material)—
- Trunk lines, both-way only, each—
  - Business $54.00
  - Residence 30.00
- Stations with switching device, each—
  - Equipped for 10 lines 12.00
  - Equipped for 20 lines 15.00
  - Equipped for 30 lines 18.00
- Stations, without switching device, each 6.00

Short-term service:
Individual and party lines—

Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than 1 year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for 1 month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

SCHENECTADY, N. Y.—Continued.

Short-term service—Continued.
Individual and party lines—Continued.
Message rates.—When the number of messages under a message-rate contract is less than the minimum specified in the schedule the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.

Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in 1 year.

Extension stations.—The charge is the proportionate part of the annual rate for the period of service, plus one-half the proportionate part of the annual rate for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

Private branch exchanges:
Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.
Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.
Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.
Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals, or exceeds, the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in 1 year.

Excess exchange-line mileage (charges are computed onr oute measurement beyond the base-rate area):
Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof $6.00
Two-party line, per station, per quarter-mile or fraction thereof 3.50
Four-party line, per station, per quarter-mile or fraction thereof 2.00

Extension and tie-line mileage (charges are computed on route measurement), per quarter-mile, or fraction thereof, $6.
Extra directory listings, business or residence, $3.
Moving charges:
Individual or party line, main or extension station or No. 1 private branch exchange station—
Inside move, no charge.
Outside move, during first year or within one year from last free move—
Main station moved independently $3.00
Main station moved in conjunction with and to same address as switchboard 1.00
Extension station moved independently of main station 3.00
Extension station moved in conjunction with and to same address as main station 1.00
Private branch exchange switchboards—
Inside move during first year or within 1 year from last free move—

	Same room.	Another room.
Cordless, 10 lines or less	$5.00	$8.00
Cord board, 40 lines or less	10.00	18.00
Cord board, over 40 lines	Estimated cost.	

Outside move during first year or within 1 year from last free move—
Cordless, 10 lines or less $10.00
Cord board, 40 lines or less 18.00
Cord board, over 40 lines ..... Estimated cost.
No. 2 private branch exchanges and No. 1 residence systems: First or subsequent years, estimated cost.

SCRANTON, PA.

NET ANNUAL EXCHANGE RATES OF THE BELL TELEPHONE CO. OF PENNSYLVANIA IN EFFECT AUG. 20, 1914.

[The local service area includes Scranton and 17 surrounding localities.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Both-way auxiliary line.	Extension station.
Business	$60.00	$48.00	.....	$42.00	$6.00
Residence	36.00	30.00	$24.00	.....	6.00

Message rates (business only).

Local messages per annum.	Individual line.	Additional local messages (cents).	Extension station.
600	$36.00	4	$6.00
800	42.00	4	.....
1,000	48.00	4	.....
1,200	54.00	4	.....

Additional local messages $3 per 100 if contracted for in advance.

Rural-line service:
Business $48.00
Residence 24.00

SCRANTON, PA.—Continued.

No. 1 or No. 2 private branch exchange service:
Business or residence—Flat rates—
Switchboard and an operator's telephone, or receiving station and switching devices, with battery power $30.00
First both-way trunk line, business 60.00
Additional both-way trunk lines, business, each 42.00
Trunk lines, both-way, residence, each 36.00
Stations, main or extension, each 6.00
Ringing power.—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.
Business or residence—Message rates—
Switchboard and an operator's telephone, or receiving station and switching devices, with battery power $24.00
Trunk lines, both-way, each 24.00
Stations, main or extension, each 6.00
Local messages, guarantee 1,200, each 0.03
Additional local messages, each 0.04
If contracted for in advance, in lots of 100, each 0.03
Ringing power.—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.
Hotel—Message rates (contracts are not accepted for less than 20 stations, excluding operators' telephones)—
Switchboard, cord only, with battery power, ringing circuit and an operator's telephone for each position, $24.
Trunk lines, both-way only, no additional charge. For flat-rate trunk lines see the following paragraphs.
Stations, main or extension, each, $6. No additional charge is made for the stations and booth equipment installed in public corridors for the use of the general public.
Local messages.—The subscriber, as the company's agent, charges patrons the regularly established public telephone rates for all local and toll messages and receives a commission on all charges for local and toll messages originating at the private branch exchange system.
Hotel message rates—With flat-rate trunk lines—
Flat-rate trunk lines may be connected with hotel message-rate private branch exchanges for use in connection with flat-rate business stations, which may be provided only for the use of officials and employees of the hotel. Under such an arrangement the flat-rate trunk lines terminate on special cords, the plugs of which do not fit the message-rate station jacks. Stations which are to have flat-rate service are equipped with two jacks to permit connections with either the flat-rate or message-rate trunk lines, and with any other private branch exchange station. Flat-rate trunk lines are not listed in directory.
Flat-rate trunk lines are charged for at the rates given under the standard schedules for business flat-rate private branch exchange service. The charges for the switchboard and for those stations which are equipped for connection with the flat-rate trunk lines, are equal to the sum of the respective standard rates which regularly apply under the business flat-rate and hotel message-rate schedules.
Short-term service;
Individual and party lines—
Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than one year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for one month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

SCRANTON, PA.—Continued.

Short-term service—Continued.
Individual and party lines—Continued.
Message rates.—When the number of messages under a message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat-rate corresponding to the minimum rate in the message-rate schedule for the period of use.
Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases, the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in one year.
Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.
Private branch exchanges:
Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.
Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.
Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.
Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such porportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals, or exceeds, the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in one year.
Excess exchange line mileage (mileage charges are computed on air-line distances, beyond the city limits and an area including part of Dunmore Borough):
Individual line, per quarter-mile or fraction thereof $5.00
Two-party line, per subscriber, per quarter-mile or fraction thereof 3.00
Four-party line, per subscriber, per quarter-mile or fraction thereof 2.00
Extension and tie-line mileage (charges are computed on route measurement), per quarter-mile of fraction thereof, $5.
Extra directory listings, business or residence, each, $3.
Joint-user service: Business flat rate, individual or party line, one-half regular rate.
Moving charges:
Individual or party line, main or extension station or No. 1 private branch exchange station, during the first year or within one year from last free move—
Inside move $1.00
Outside move—
Main station moved independently 3.00
Main station moved in conjunction with and to same address as switchboard 1.00
Extension station moved independently 3.00
Extension station moved in conjunction with and to same address as main station 1.00
Private branch exchange switchboards under annual contracts, during the first year or within one year from the last free move—

	Same room.	Another room.
Inside move—		
Cordless switchboard, 10 lines or less	$5.00	$8.00
Cord switchboard, 40 lines or less	10.00	18.00
Cord switchboard, over 40 lines	At cost.	At cost.
Outside move—		
Cordless switchboard, 10 lines or less		$10.00
Cord switchboard, 40 lines or less		18.00
Cord switchboard, over 40 lines		At cost.
Trunk line, tie line, or outside extension line (switchboard terminal)		2.00

No. 2 private branch exchanges, during the first or subsequent years, at cost.

SCRANTON, PA.

NET ANNUAL EXCHANGE RATES OF THE CONSOLIDATED TELEPHONE CO. IN EFFECT JULY 30, 1914.

Individual and party-line service:

	Individual line.	4-party line.	Extension station.	Extension bell.
Business	$36.00	$30.00	$6.00	$1.80
Residence	24.00	20.00	6.00	1.80

Private branch exchanges:
Switchboard, $30.
Trunks—Individual line rate for the first trunk, less $6 for each additional trunk.
Stations—In same building as private branch exchange, $6 each. Outlying, $6 each per year plus excess mileage charge of $3.75 per quarter-mile or fraction thereof.
Private branch exchange rates are standard, with the exception of the trunk-line rates, which are governed by the exchange to which the private branch exchange is directly connected.

SEATTLE, WASH.

NET ANNUAL EXCHANGE RATES OF THE PACIFIC TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1912.

[The local service area includes all of Seattle.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Auxiliary line.	Extension station.
Business	$90.00			Inward, $36; Both-way, $72	$12.00
Residence:					
Wall set	36.00	$30.00	$24.00		6.00
Desk set	42.00	36.00	30.00		

Message rates (business only on monthly guarantee basis).

Local messages per annum.	Individual line.	Additional local messages (cents).	Both-way auxiliary line.	Extension stations.
1,200	$60.00	3	$30.00	$9.00
1,800	72.00	2½		

Subscribers' coin-box rates, business only, 1-party.

Guarantee (on monthly basis), 3 local messages per day.
Computed minimum annual charge, $54.75.
Local messages, 5 cents (refund of 1½ cents per message allowed on local message charges in excess of guarantee).
Extension station, $12.
Individual and party-line short-term service:
Flat rates—
Three months' contracts, double regular rate for period of service.
Three to six months' contracts, regular rate for period of service plus 50 per cent.
Six to nine months' contracts, regular rate for period of service plus 25 per cent.
Message rates.—Regular rate for period of service plus $5.
Rural-line service (suburban service):
Business $36.00
Residence 30.00
The company builds circuits up to 5 miles from the central office, provided there is an average of 2 or more stations per mile of circuit. Beyond 5 miles the subscribers pay part or all of the construction cost.
A special rural line (suburban) service is available in Medina, Bellevue, and vicinity on the eastern shore of Lake Washington, at the following rates, which do not cover local service to Seattle—
Business $36.00
Residence 24.00
No. 1 private branch exchanges:
Commercial and department store—Flat rates (an installation charge is made if the contract period is less than 3 years. Contracts for cordless switchboards are not accepted for less than 2 trunk lines and 4 stations, excluding operators' telephones; for cord switchboards, for less than 2 trunk lines and 8 stations)—
Switchboard, cordless, with battery power, ringing circuit, and an operator's telephone—
Capacity, 2 trunk lines, 4 stations $30.00
Capacity, 3 trunk lines, 7 stations 39.00
Switchboard, cord, with battery power, ringing circuit, and an operators's telephone for each position, per position 60.00
First trunk line, both-way 114.00
Additional trunk lines, both-way, each 85.80
Trunk lines, incoming, each 36.00
Trunk lines, outgoing, each 90.00
Stations, each 12.00
Hotel and apartment house—Flat rates (contracts are not accepted for periods of less than 3 years, nor for less than 2 trunk lines. Subscribers contract for an additional trunk line for each 25 stations or fraction thereof connected, in excess of 50. Subscribers furnish wiring between the switchboard and stations)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, equipped for 15 lines $24.00
Additional switchboard equipment for each group of 5 lines or less 2.40
First trunk lines, both-way 114.00
Additional trunk lines, both-way, each 85.80
Trunk lines, incoming, each 36.00
Trunk lines, outgoing, each 90.00

Stations, each—	Desk set.	Wall set.
1 to 10	$9.00	$6.00
11 to 20	8.40	5.40
21 to 35	7.80	4.80
36 to 50	7.20	4.20
Over 50	6.00	3.00

Commercial and department store—Message rates (an installation charge is made if the contract period is less than 3 years. Contracts are not accepted for less than 2 trunk lines and 8 stations, excluding operators' telephones)—
Switchboard, cord, with battery power, ringing circuit, and an operator's telephone for each position, 2 both-way trunk lines and 3,000 local messages per annum (on a monthly basis) $120.00
Additional trunk lines, both-way only, each 24.00
Stations, each—
First 20 ..... 9.00
In excess of 20 ..... 6.00
Additional local messages, each 0.02

SEATTLE, WASH.—Continued.

No. 1 private branch exchanges—Continued.
Hotel and apartment house—Message rates (contracts are not accepted for periods of less than 3 years. Subscribers furnish the wiring between the switchboard and stations)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, no additional charge.
Trunk lines, both-way only, no additional charge.
Stations, not in guest rooms, each, $12.

Stations, in guest rooms, each—	Desk set.	Wall set.
1 to 10	$9.00	$6.00
11 to 20	8.40	5.40
21 to 35	7.80	4.80
36 to 50	7.20	4.20
Over 50	6.00	3.00

Local messages, each, 2½ cents.

No. 2 private branch exchanges—Business—Flat rates (under 3-year contracts, an installation charge is made for the cost of cable in excess of 300 feet. Under 1-year contracts, an installation charge is made to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 2 trunk lines and 5 stations):
Receiving station, with switching device, battery power, ringing circuit, and 1 outgoing trunk line—
Equipped for 10 lines $114.00
Equipped for 20 lines 117.00
Equipped for 30 lines 120.00
First trunk line, both-way 114.00
Additional trunk lines, both-way, each 85.80
Trunk lines, incoming, each 36.00
Additional trunk lines, outgoing, each 72.00
Stations, with switching device, each—
Equipped for 10 lines 15.00
Equipped for 20 lines 18.00
Equipped for 30 lines 21.00

No. 1 residence systems—Flat rates (an installation charge is made, to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 3 stations):
Receiving station, with switching device, battery power, ringing circuit, and 1 both-way trunk line—
Equipped for 10 lines $48.00
Equipped for 20 lines 51.00
Equipped for 30 lines 54.00
Additional trunk lines, both-way only, each 24.00
Stations, with switching device, each—
Equipped for 10 lines 9.00
Equipped for 20 lines 12.00
Equipped for 30 lines 15.00

No. 2 private branch exchanges—Business—Message rates (under 3-year contracts, an installation charge is made to cover the cost of cable in excess of 300 feet. Under 1-year contracts, an installation charge is made to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 5 stations):
Receiving station, with switching device, battery power, ringing circuit, necessary outgoing trunk lines, 1 incoming trunk line, and 3,000 local messages per annum (on a monthly basis)—
Equipped for 10 lines $108.00
Equipped for 20 lines 111.00
Equipped for 30 lines 114.00
Trunk lines, incoming, each 36.00
Additional local messages, each 0.02
Stations, with switching device, each—
Equipped for 10 lines 12.00
Equipped for 20 lines 15.00
Equipped for 30 lines 18.00

Excess exchange-line mileage (mileage charges are computed on route measurements beyond the city limits):
Individual line, per quarter-mile or fraction thereof $6.00
2-party line, per station, per quarter-mile or fraction thereof 4.20
4-party line, per station, per quarter-mile or fraction thereof 3.00
Extension-line mileage (mileage charges are computed on route measurement), extension lines, per quarter-mile or fraction thereof, $6.
Extra directory listings:
Business or residence, each $3.00
Hotel, names of guests, each 6.00
Joint-user service:
Flat rates, business only, each 18.00
Message rates or subscribers' coin-box rates 3.00
Moving charges (no charge is made for moving station equipment after the initial contract period has expired, if the subscriber signs a new contract. Except as noted, the following charges apply):
Moving a station to another location—
In the same room $1.00
In the same building 2.00
In another building 3.50

SIOUX CITY, IOWA.

NET ANNUAL EXCHANGE RATES OF THE IOWA TELEPHONE CO. IN EFFECT AUG. 11, 1914.

Individual and party-line service (flat rates):

	Individual line.	2-party line.	Inward auxiliary line.	Extension station.
Business	$48.00	$36.00	$24.00	$12.00
Residence	24.00	18.00	.....	12.00

Wall telephone without bell, $6.

Individual and party-line short-term service.—The charge is the proportionate part of the annual rate for the class of service employed, plus the cost of installation and disconnection.
Rural-line service, business or residence, $18.

SIOUX CITY, IOWA—Continued.

Private branch exchange service:
No. 1 private branch exchanges—
Commercial and department store—Flat rates (an installation charge is made if the contract period is less than 3 years. Contracts for magnetic signal switchboards are not accepted for less than 10 stations, excluding operators' telephones. Contracts for lamp switchboards are not accepted for less than 20 stations, excluding operators' telephones)—
Switchboard, cord only, with battery power, ringing circuit and an operator's telephone for each position, per position $12.00
Trunk lines, both-way, each 48.00
Trunk lines, incoming, each 24.00
Stations, each 12.00
Hotel and apartment house—Message rates (subscribers bear the cost of wiring. Contracts are not accepted for a period of less than 3 years)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, no additional charge.
Trunk lines, incoming or both-way, no additional charge.
Stations each, $3.
Local messages, guarantee 2,400, each, 2½ cents.
No. 2 private branch exchanges:
Business and residence—Flat rates (contracts are not accepted for a period of less than 3 years nor for less than 5 stations. The maximum equipment furnished consists of 20 lines)—
Trunk lines, both-way, each—
Business $48.00
Residence 36.00
Trunk lines, incoming, each—
Business or residence 24.00
Stations, with switching device, each 12.00
Excess exchange-line mileage (charges are computed on route measurements beyond 2 miles from the central office or from the city limits):
Individual line, per quarter-mile or fraction thereof $5.00
Two-party line, per station, per quarter-mile or fraction thereof 3.00
Extension-line mileage, per quarter-mile or fraction thereof, route distance, $5.
Extra directory listings, per directory issue, $1.
Joint-user service, business only, $12.
Moving charges:
Individual and party lines, no charge.
Private branch exchanges, actual cost.

SOMERVILLE, MASS.

NET ANNUAL EXCHANGE RATES OF THE NEW ENGLAND TELEPHONE & TELEGRAPH CO.

[Somerville is included within the Boston, Mass., Metropolitan District, the rates for which are described in the statement under Boston, Mass.]

SOUTH BEND, IND.

NET ANNUAL EXCHANGE RATES OF THE SOUTH BEND HOME TELEPHONE CO. IN EFFECT JULY 11, 1914.

Individual and party-line service:

	Individual line.	2-party line.	3-party line.	1-way service extension.	2-way service extension.
Business	$36.00	$24.00	.....	$6.00	$12.00
Residence	24.00	.....	$18.00	4.00	6.00

Rural party-line service, business or residence:
Four-party line $24.00
Six-party line 20.00
Ten-party line 18.00
Twelve-party line 15.00
Miscellaneous service, per station:
Private branch exchange 9.00
Intercommunicating systems 12.00
Extension bells 1.50
Special lines, per circuit mile 40.00
Special lines, Morse circuit, per circuit mile 20.00
Rental of conduit, per duct mile, in multiples of 500 feet 300.00

SPOKANE, WASH.

NET ANNUAL EXCHANGE RATES OF THE HOME TELEPHONE & TELEGRAPH CO. IN EFFECT JULY 14, 1914.

Individual line flat-rate service:
Business $48.00
Residence 24.00

SPOKANE, WASH.

NET ANNUAL EXCHANGE RATES OF THE PACIFIC TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1912.

Individual and party-line service:
Flat rates.

	Individual line.	2-party line.	4-party line.	Both-way auxiliary line.	Extension station.
Business	$72.00	.....	.....	$54.00	$12.00
Residence	36.00	30.00	Wall set, $24.00; Desk set, $27.00	.....	(1)

[1] Wall set, without bell, $6; with bell, $7.80. Desk set, without bell, $9; with bell, $12.

SPOKANE, WASH—Continued.

Individual and party line service—Continued.

Message rates (business only, on monthly guarantee basis).

Local messages per annum	960
Individual line	$48.00
Additional local messages:	
First 100	0.03
All others	0.02
Both-way auxiliary line	30.00
Extension station	9.00

Subscribers' coin-box rates, business only, 1-party.

Guarantee (on monthly basis), 3 local messages per day.
Computed minimum annual charge, $54.75.
Local messages, 5 cents; extension station, $12 (refund of 2 cents per message allowed on local-message charges in excesss of guarantee).
Individual and party line short-term service:
Three months' contracts, double regular rate for period of service.
Three to six months' contracts, regular rate for period of service plus 50 per cent.
Six to nine months' contracts, regular rate for period of service plus 25 per cent.

Rural line service (suburban service):	Wall set.	Desk set.
Business	$30.00	$33.00
Residence	24.00	27.00

The company builds circuits up to 5 miles from the central office, provided there is an average of 2 or more stations per mile of circuit. Beyond 5 miles the subscribers pay part or all of the construction cost.

No. 1 private branch exchanges:
Commercial and department store—Flat rates (an installation charge is made if the contract period is less than 3 years. Contracts are not accepted for less than 2 trunk lines and 4 stations, excluding operators' telephones)—

Switchboard, cordless, with battery power, ringing circuit, and an operator's telephone—	
Capacity, 2 trunks, 4 lines	$30.00
Capacity, 3 trunks, 7 lines	39.00
Switchboard, cord, with battery power, ringing circuit, and an operator's telephone for each position, per position	60.00
First trunk line, both-way	96.00
Additional trunk lines, both-way, each	72.00
Trunk lines, incoming, each	57.60
Stations, each	12.00

Hotel and apartment house—Flat rates (contracts are not accepted for a period of less than 3 years, nor for less than 2 trunk lines. Subscribers contract for an additional trunk line for each 25 stations or fraction thereof connected, in excess of 50. Subscribers furnish wiring between the switchboard and stations)—

Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, equipped for 15 lines	$24.00
Additional switchboard equipment, for each group of 5 lines or fraction thereof	2.40
First trunk line, both-way	96.00
Additional trunk lines, both-way, each	72.00
Trunk lines, incoming, each	57.60
Stations, not in guest rooms, wall or desk, each	12.00

Stations, in guest rooms, each—	Wall set.	Desk set.
1 to 10	$6.00	$9.00
11 to 20	5.40	8.40
21 to 35	4.80	7.80
36 to 50	4.20	7.20
Over 50	3.00	6.00

Commercial and department store—Message rates (an installation charge is made if the contract period is less than 3 years. Contracts are not accepted for less than 2 trunk lines and 4 stations, excluding operators' telephones)—

Switchboard, cord only, with battery power, ringing circuit, an operator's telephone for each position, 2 both-way trunk lines, and 3,000 local messages per annum (on a monthly basis)	$120.00
Additional trunk lines, both-way only, each	24.00
Stations, each—	
1 to 20	9.00
Over 20	6.00
Additional local messages, each	0.02

Hotel and apartment house—Message rates (contracts are not accepted for periods of less than 3 years. Subscribers furnish wiring between the switchboard and stations)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, no additional charge.
Trunk lines, both-way only, no additional charge.
Stations, not in guest rooms, wall or desk, each, $12.

Stations, in guest rooms, each—	Wall set.	Desk set.
1 to 10	$6.00	$9.00
11 to 20	5.40	8.40
21 to 35	4.80	7.80
36 to 50	4.20	7.20
Over 50	3.00	6.00

Local messages, each, 2½ cents.

No. 2 private branch exchanges—Business—Flat rates (under 3-year contracts an installation charge is made to cover the cost of cable in excess of 300 feet. Under 1-year contracts, an installation charge is made to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 2 trunk lines and 4 stations):

Receiving station, with switching device, battery power, ringing circuit, and 1 both-way trunk line—	
Equipped for 10 lines	$120.00
Equipped for 20 lines	123.00
Equipped for 30 lines	126.00
Additional trunk lines, both-way, each	72.00
Trunk lines, incoming, each	57.60
Stations, with switching device, each—	
Equipped for 10 lines	15.00
Equipped for 20 lines	18.00
Equipped for 30 lines	21.00

No. 1 residence systems—Flat rates (an installation charge is made to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 3 stations):

Receiving station, with switching device, battery power, ringing circuit, and 1 both-way trunk line—	
Equipped for 10 lines	$48.00
Equipped for 20 lines	51.00
Equipped for 30 lines	54.00
Additional trunk lines, both-way, each	24.00
Stations, with switching device, each—	
Equipped for 10 lines	9.00
Equipped for 20 lines	12.00
Equipped for 30 lines	15.00

SPOKANE, WASH—Continued.

No. 2 private branch exchanges—Business—Message rates (under 3-year contracts an installation charge is made to cover the cost of cable in excess of 300 feet. Under 1-year contracts an installation charge is made to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 2 both-way trunk lines and 4 stations):

Receiving station, with switching device, battery power, ringing circuit, 2 both-way trunk lines, and 3,000 local messages per annum (on a monthly basis)—	
Equipped for 10 lines	$108.00
Equipped for 20 lines	111.00
Equipped for 30 lines	114.00
Additional trunk lines, both-way, each	24.00
Stations, with switching device, each—	
Equipped for 10 lines	12.00
Equipped for 20 lines	15.00
Equipped for 30 lines	18.00
Additional local messages, each	0.02

Excess exchange-line mileage (individual-line mileage charges are computed on route measurement beyond 2 miles from the central office; party-line mileage, beyond 2½ miles from the central office):

Individual line, per quarter-mile or fraction thereof	$6.00
Two-party line, per station, per quarter-mile or fraction thereof	4.20
Four-party line, per station, per quarter-mile or fraction thereof	3.00

Extension-line mileage (mileage charges are computed on route measurements), extension lines, per quarter-mile or fraction thereof, $6.

Extra directory listings:	
Business or residence, each	$3.00
Hotel, names of guests, each	6.00
Joint-user service:	
Flat rates, business only	18.00
Message rates or subscribers' coin-box rates	3.00

Moving charges (no charge is made for moving station equipment in case the initial contract period has expired, provided the subscriber signs a new contract. Except as noted, the following charges apply):

Moving a station to another location—	
In the same room	$1.00
In the same building	2.00
In another building	3.50

SPRINGFIELD, ILL.

NET ANNUAL EXCHANGE RATES OF THE INTERSTATE INDEPENDENT TELEPHONE & TELEGRAPH CO. IN EFFECT MAY 11, 1914.

Individual and party-line service:

	Individual line.	2-party line.	Extension station.
Business	$36.00	$30.00	$8.16
Residence, wall set	21.60	18.00	6.00
Residence, desk set	24.00	.....	.....

Rural individual and party-line service:

	Individual line.	Party line.
Business	$60.00	$15.00
Residence	48.00	15.00

Private branch exchanges:	
Trunk (first line)	$36.00
Trunk (each additonal)	24.00
Stations	12.00
Stations (in hotels)	6.00
Extension bells	3.00
Employees' rate per station	12.00

SPRINGFIELD, MASS.

NET ANNUAL EXCHANGE RATES OF THE NEW ENGLAND TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 26, 1914.

Individual and party-line service:

SCHEDULE I.

The local service area includes all stations bearing the designations Springfield or Indian Orchard.

Flat rates.

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Extension station.
Business	$63.00	.....	.....	$33.00	$6.00
Residence	36.00	$30.00	$25.00	.....	6.00

Message rates (business only).

Local messages per annum	780
Individual line	$39.00
Additional local messages:	
Up to a total of 6,000, each, 3 cents.	
Next 6,000, each, 2¾ cents.	
All others, each, 2½ cents.	
Extension station	$6.00

SCHEDULE II.

The local service area includes all stations bearing the designations Chicopee, Springfield, or Indian Orchard.

SPRINGFIELD, MASS—Continued.

Individual and party-line service—Continued.

SCHEDULE II—Continued.

Message rates (business only).

Local messages per annum	900
Individual line	$45.00
Additional local messages:	
Up to a total of 6,000, each, 3 cents.	
Next 6,000, each, 2¾ cents.	
All others, each, 2½ cents.	
Extension station	6.00

SCHEDULE III.

The local service area includes Springfield, West Springfield, Agawam, Chicopee, Holyoke, Longmeadow, and parts of East Longmeadow, Ludlow, South Hadley, and Westfield.

Flat rates.

	Individual line.	2-party line.	Inward auxiliary line.	Extension station.
Business	$75.00		$33.00	$6.00
Residence	54.00	$42.00		6.00

No. 1 or No. 2 private branch exchanges:
- Commercial, residence, hotel, and apartment house—Message rates (contracts are not accepted for periods of less than 3 years. No. 2 business systems are limited to a total of 10 lines)—
  - Switchboard, with battery power, an operator's telephone or receiving station with switching devices and 2,500 local messages per annum.. $75.00
  - Trunk lines, both-way only, each 21.00
  - Stations, each 6.00
  - Additional local messages—
    - First 3,500, each (in hotels and apartment houses, all additional local messages are charged for at 3 cents each) 0.03
    - Next 6,000, each 0.02¾
    - All others, each 0.02½
  - Ringing circuit, $18. Applies only within a radius of 1 mile, air-line distance, from a central office, for installations of 19 stations or less. No additional charge is made if subscribers within 1 mile from the central office contract for 20 stations or more. Beyond this distance a mileage charge is made of $5 per quarter-mile or fraction thereof.
- Hotel—Message rates—Season service (contracts are not accepted for periods of less than 5 years nor for less than 50 stations and allow service for a period of 5 months in each year)—
  - Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, no charge.
  - Trunk lines, both-way only, no charge.
  - Stations—
    - First 50, each $5.00
    - Over 50, each 4.00
  - Local messages, each 0.03
- Department store—Message rates (contracts are not accepted for periods of less than 5 years, nor for less than 50 stations)—
  - Switchboard, with battery power, ringing circuit, and an operator's telephone, no charge.
  - Trunk lines, both-way only, each $24.00
  - Stations, each 6.00
  - Local messages—
    - First 6,000, each 0.03
    - Next 6,000, each 0.02¾
    - All others, each 0.02½

No. 2 private branch exchanges—Residence—Flat rates (contracts are not accepted for a period of less than 3 years. Interior cable in excess of 500 feet and all outside cable between a subscriber's buildings on the same premises is furnished at the subscriber's expense. The rate quoted for receiving stations includes switching devices for all stations):
- Trunk lines, both-way, each $36.00
- Trunk lines, incoming, each 33.00
- Receiving station, with switching devices 24.00
- Stations, with or without switching device, each 6.00

Short-term service:
- Emergency service (regular installation and removal charges apply as specified below under 3 months' service)—
  - Flat rate individual line or residence No. 2 private branch exchange trunk line—
    - First day $3.00
    - Each additional day 0.75
  - Message rate trunk line and private branch-exchange station (either or both)—
    - First 3 days 5.00
    - Each additional week (charge not to exceed annual rate) 1.00
- Three-month periods—
  - Flat rates—

	Schedule I.	Schedule III.
Business:		
Individual line	$25.00	$32.00
Party line, per station		
Residence:		
Individual line or No. 2 private branch exchange trunk line	20.00	26.00
Party line, per station	17.00	22.00

Message rates.—Private branch exchange trunk line (no installation charge), $12.

Service continuing beyond the initial 3-months' period is charged for at a rate for each whole month equal to one-ninth the difference between the short-term rate and the annual rate for similar service, with a charge pro rata for fractional parts of a month.

SPRINGFIELD, MASS—Continued.

Individual and party-line service—Continued.

SCHEDULE III—Continued.

Short-term service—Continued.
- Three-month periods—Continued.
  - The following charges are made in addition to the rates quoted above, for installation and removal of equipment furnished for short periods—
    - If instrument is on premises and inside wiring and drop wiring are in place $2.00
    - If both inside wiring and drop wiring are in place, but it is necessary to furnish an instrument 3.00
    - If either inside wiring or drop wiring is in place—but not both—and instrument must be installed 4.00
    - If it is necessary to install inside wiring, drop wiring, and instrument. 5.00

Excess exchange-line mileage (mileage is charged on the air-line distances, beyond 2 miles from the central office)—
- Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof $2.50
- Two-party line, per station, per quarter-mile or fraction thereof 1.00
- Four-party line, per station, per quarter-mile or fraction thereof 0.50

Extension and tie-line mileage: Charges are computed on route measurements.
- Extension lines—
  - First half-mile or fraction thereof $10.00
  - Each additional quarter-mile or fraction thereof 5.00
- Tie lines (between switchboards in the same exchange)—
  - Switchboards contracted for by the same subscriber in separate buildings—
    - First mile or fraction thereof $35.00
    - Each additional quarter-mile or fraction thereof (when the switchboards are in the same building and only inside wiring is required) the minimum charge per line is $10) 8.75
  - Switchboards contracted for by different subscribers in separate buildings. (Not more than 3 private branch exchange switchboards of different subscribers will be connected together by means of tie lines)—
    - First mile or fraction thereof $60.00
    - Each additional quarter-mile or fraction thereof 15.00

Extra directory listings:
- Business or residence 3.00
- Names of tenants in hotels and apartment houses 5.00

Joint-user service:
- Flat rates.—Individual line or private branch exchange, one-half of annual rate, not to exceed $50.
- Message rates.—Individual line or private branch exchange, $5.

Moving charges.—Individual or party-line stations or No. 1 private branch exchange stations:
- Inside move—
  - 25 feet or less of inside wiring necessary $1.00
  - Over 25 feet of inside wiring necessary 2.00
- Outside move—
  - Drop and inside wiring necessary and instrument to be placed 5.00
  - Drop or inside wiring (one only) necessary and instrument to be placed.. 4.00
  - No wiring necessary but instrument to be placed 3.00
  - No wiring necessary and instrument in place 2.00

When a main station, extension station, and other station equipment are moved at the same time, the work practically constituting one job, full charge is made for moving the main station and one-half the scheduled charges for moving the other apparatus.

Moves of switchboards, entire No. 1 private branch exchange systems or No. 2 private branch exchange stations, are made at actual cost.

At any time after the expiration of the initial contract period, the subscriber may extend his contract for another contract period in lieu of payment of the above charges.

SUGAR GROVE, ILL.

NET ANNUAL EXCHANGE RATES OF THE INTERSTATE INDEPENDENT TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1914.

Individual and party-line service.

	Individual line.	2-party line.	Extension station.
Business	$24.00		$6.00
Business (includes free toll to Big Rock or Kaneville)	30.00		
Residence	18.00	$18.00	18.00

SYRACUSE, N. Y.

NET ANNUAL EXCHANGE RATES OF THE NEW YORK TELEPHONE CO. IN EFFECT AUG. 20, 1914.

[The local service area includes Syracuse, De Witt, Jamesville, Onondaga Valley, and Split Rock.]

Individual and party-line service (flat rates):

	Individual line.	2-party line.	Both-way auxiliary line.	Extension station.
Business	$60.00	$48.00	$45.00	$6.00
Residence	36.00	30.00	27.00	6.00

Rural-line service:
- Business $30.00
- Residence 30.00
- Extension station 6.00

No. 1 private branch exchanges:
- Commercial and department store—Flat rates (contracts are not accepted for less than 2 stations, excluding operators' telephones)—
  - Switchboard, cordless, with battery power and an operator's telephone. $18.00
  - Switchboard, cord, with battery power and an operator's telephone for each position—
    - First position $36.00
    - Additional positions, each 24.00
    - First trunk line, both-way only 60.00
    - Additional trunk lines, both-way only, each 45.00
    - Stations, each 6.00
    - Ringing circuit (no additional charge if subscriber contracts for either 3 trunk lines or 20 stations) 18.00

SYRACUSE, N. Y.—Continued.

No. 1 private branch exchanges—Continued.
Hotel and apartment house—Message rates—
Switchboard, with battery power and an operator's telephone for each position 36.00
Stations, main or extension, each (no charge for stations, including booth equipment, placed in public corridors for the use of the general public) 6.00
Trunk lines, both-way only, no additional charge.
Local messages, each, public telephone rate.
Ringing circuit (no additional charge if subscriber contracts for either 3 trunk lines or 20 stations) 18.00
No. 2 private branch exchanges (an installation charge is made, to cover the cost of construction of circuits between stations, including labor and material):
Business—Flat rates—
Trunk lines, both-way only, each $54.00
Stations, with switching device, each—
Equipped for 10 lines 12.00
Equipped for 20 lines 15.00
Equipped for 30 lines 18.00
Stations, without switching device, each 6.00
No. 1 residence system (an installation charge is made to cover the cost of construction of circuits between stations, including labor and material):
Flat rates—
Trunk lines, both-way only, each $30.00
Stations, with switching device, each—
Equipped for 10 lines 12.00
Equipped for 20 lines 15.00
Equipped for 30 lines 18.00
Stations, without switching device, each 6.00
Short-term service:
Individual and party lines—
Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than 1 year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for 1 month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

SYRACUSE, N. Y.—Continued.

Private branch exchanges:
Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.
Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.
Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one discontinued.
Excess exchange-line mileage (charges are computed on route measurement beyond the base-rate area):
Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof $6.00
Two-party line, per station, per quarter-mile or fraction thereof 3.50
Four-party line, per station, per quarter-mile or fraction thereof 2.00
Extension and tie-line mileage (charges are computed on route measurement), per quarter-mile or fraction thereof, $6.
Extra directory listings, business or residence, $3.
Moving charges:
Individual or party line, main or extension station or No. 1 private branch exchange station—
Inside move, no charge.
Outside move, during first year or within 1 year from last free move—
Main station moved independently $3.00
Main station moved in conjunction with and to same address as switchboard 1.00
Extension station moved independently of main station 3.00
Extension station moved in conjunction with and to same address as main station 1.00
Private branch exchange switchboards—
Inside move during first year or within 1 year from last free move—

	Same room.	Another room.
Cordless, 10 lines or less	$5.00	$8.00
Cord board, 40 lines or less	10.00	18.00
Cord board, over 40 lines	Estimated cost.	

Outside move during first year or within 1 year from last free move—
Cordless, 10 lines or less $10.00
Cord board, 40 lines or less 18.00
Cord board, over 40 lines ..... Estimated cost.
No. 2 private branch exchanges and No. 1 residence systems: First or subsequent years, estimated cost.

TACOMA, WASH.

NET ANNUAL EXCHANGE RATES OF THE PACIFIC TELEPHONE & TELEGRAPH CO. IN EFFECT JAN. 1, 1912.

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	Both-way auxiliary line.	Extension station.
Business	$72.00	$48.00	$54.00	$12.00
Residence	36.00	24.00	.....	6.00

Message rates (business only, on monthly guarantee basis).

Local messages per annum 1,200
Individual line $48.00
Additional local messages 0.02
Both-way auxiliary line 30.00
Extension station 9.00

Subscribers' coin-box rates.

	Guarantee (on monthly basis).	Minimum charge.	Local messages (cents).	Extension station.
Business only:				
1-party	3 local messages per day	$54.75	[1] 5	$12.00
2-party	2 local messages per day	36.50	[2] 5	12.00

[1] Refund of 2½ cents per message on local message charges in excess of guarantee.
[2] Refund of 2 cents per message on local message charges in excess of guarantee.

Individual and party-line short-term service:
Three months' contracts, double regular rate for period of service.
Three to six months' contracts, regular rate for period of service plus 50 per cent.
Six to nine months' contracts, regular rate for period of service plus 25 per cent.
Rural-line service (suburban service):
Business $36.00
Residence 30.00
The company builds circuits up to 5 miles from the central office provided there is an average of 2 or more stations per mile of circuit. Beyond 5 miles the subscribers pay part or all of the construction cost.

TACOMA, WASH.—Continued.

No. 1 private branch exchanges:
Commercial and department store—Flat rates (an installation charge is made if the contract period is less than 3 years. Contracts are not accepted for less than 2 trunk lines and 4 stations, excluding operators' telephones)—
Switchboard, cordless, with battery power, ringing circuit, and an operator's telephone—
Capacity, 2 trunks, 4 lines $30.00
Capacity, 3 trunks, 7 lines 39.00
Switchboard, cord, with battery power, ringing circuit, and an operator's telephone for each position, per position 60.00
First trunk line, both-way 96.00
Additional trunk lines, both-way, each 72.00
Trunk lines, incoming, each 57.60
Stations, each 12.00
Hotel and apartment house—Flat rates (contracts are not accepted for a period of less than 3 years nor for less than 2 trunk lines. Subscribers contract for an additional trunk line for each 25 stations or fraction thereof connected, in excess of 50. Subscribers furnish wiring between the switchboard and stations)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, equipped for 15 lines $24.00
Additional switchboard equipment for each group of 5 lines or fraction thereof 2.40
First trunk line, both-way 96.00
Additional trunk lines, both-way, each 72.00
Trunk lines, incoming, each 57.60
Stations, not in guest rooms, wall or desk, each 12.00

Stations, in guest rooms, each—	Desk set.	Wall set.
1 to 10	$9.00	$6.00
11 to 20	8.40	5.40
21 to 35	7.80	4.80
36 to 50	7.20	4.20
Over 50	6.00	3.00

Commercial and department store—Message rates (an installation charge is made if the contract period is less than 3 years. Contracts are not accepted for less than 2 trunk lines and 4 stations, excluding operators' telephones)—
Switchboard, cord only, with battery power, ringing circuit, an operator's telephone for each position, 2 both-way trunk lines, and 3,000 local messages per annum (on monthly basis) $120.00
Additional trunk lines, both-way only, each 24.00
Stations, each:
1 to 20 ..... 9.00
Over 20 ..... 6.00
Additional local messages, each 0.02
Hotel and apartment house—Message rates (contracts are not accepted for periods of less than 3 years. Subscribers furnish wiring between the switchboard and stations)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, no additional charge.
Trunk lines, both-way only, no additional charge.
Stations, not in guest rooms, wall or desk, each $12.00

Stations, in guest rooms, each—	Desk set.	Wall set.
1 to 10	$9.00	$6.00
11 to 20	8.40	5.40
21 to 35	7.80	4.80
36 to 50	7.20	4.20
Over 50	6.00	3.00

Local messages, each, 2½ cents.
No. 2 private branch exchanges—Business—Flat rates (under 3-year contracts an installation charge is made to cover the cost of cable in excess of 300 feet. Under 1-year contracts an installation charge is made, to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 2 trunk lines and 4 stations):
Receiving station, with switching device, battery power, ringing circuit, and one both-way trunk line—
Equipped for 10 lines $120.00
Equipped for 20 lines 123.00
Equipped for 30 lines 126.00
Additional trunk lines, both-way, each 72.00
Trunk lines, incoming, each 57.60
Stations, with switching device, each—
Equipped for 10 lines 15.00
Equipped for 20 lines 18.00
Equipped for 30 lines 21.00
No. 1 residence system—Flat rates (an installation charge is made, to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 3 stations):
Receiving station, with switching device, battery power, ringing circuit, and one both-way trunk line—
Equipped for 10 lines $48.00
Equipped for 20 lines 51.00
Equipped for 30 lines 54.00
Additional trunk lines, both-way, each 24.00
Stations, with switching device, each—
Equipped for 10 lines 9.00
Equipped for 20 lines 12.00
Equipped for 30 lines 15.00
No. 2 private branch exchange—Business—Message rates (under 3-year contracts an installation charge is made to cover the cost of cable in excess of 300 feet. Under 1-year contracts an installation charge is made, to cover the labor of making the installation and the cost of cable in excess of 300 feet. Contracts are not accepted for less than 2 both-way trunk lines and 4 stations):
Receiving station, with switching device, battery power, ringing circuit, 2 both-way trunk lines, and 3,000 local messages per annum (on monthly basis)—
Equipped for 10 lines $108.00
Equipped for 20 lines 111.00
Equipped for 30 lines 114.00
Additional trunk lines, both-way, each 24.00
Stations, with switching device, each—
Equipped for 10 lines 12.00
Equipped for 20 lines 15.00
Equipped for 30 lines 18.00
Additional local messages, each 0.02
Excess exchange-line mileage (mileage charges are computed on route measurements beyond the city limits):
Individual line, per quarter-mile or fraction thereof $6.00
Two-party line, per station, per quarter-mile or fraction thereof 4.20

TACOMA, WASH.—Continued.

Extension and tie-line mileage (mileage charges are computed on route measurements):
Extension lines, per quarter-mile or fraction thereof $6.00
Tie lines between switchboards contracted for by the same subscriber—
First mile or fraction thereof 30.00
Each additional quarter-mile or fraction thereof 7.50
Extra directory listings:
Business or residence, each 3.00
Hotel, names of guests, each 6.00
Joint-user service:
Flat rates, business only 18.00
Message rates or subscribers' coin-box rates 3.00
Moving charges (no charge is made for maving station equipment in case the initial contract period has expired, provided the subscriber signs a new contract. Except as noted, the following charges apply):
Moving a station to another location—
In the same room $1.00
In the same building 2.00
In another building 3.50

TAMPA, FLA.

NET ANNUAL EXCHANGE RATES OF THE PENINSULAR TELEPHONE CO. IN EFFECT JULY 23, 1914.

Individual and party-line flat-rate service:

	Individual line.	Individual line joint user.	2-party line.	2-party line joint user.	4-party line.	4-party line joint user.
Business	$54.00	$24.00	$48.00	$24.00	$42.00	$24.00
Residence	30.00	12.00	27.00	12.00	24.00	12.00

Extensions:
Business station (desk or wall) $18.00
Residence station (desk or wall) 12.00
Bells (business or residence) 3.00
Gongs (business or residence) 6.00
Intercommunicating systems:
Individual line 54.00
One extension 24.00
Extra extensions, each 18.00
Two line, one extension 102.00
Extra extensions, each 24.00
Three line, one extension 150.00
Extra extensions, each 36.00
Directory service:
Extra listing 6.00
Additional line 6.00

TARPON SPRINGS, FLA.

NET ANNUAL EXCHANGE RATES OF THE PENINSULAR TELEPHONE CO. IN EFFECT JULY 23, 1914.

Individual and party-line flat-rate service:

	Individual line.	Individual line joint user.	2-party line.	2-party line joint user.	4-party line.	4-party line joint user.
Business	$36.00	$15.00	.....	.....	$30.00	$12.00
Residence	24.00	9.00	$21.00	$6.00	18.00	6.00

Extensions:
Business station (desk or wall) $12.00
Residence station (desk or wall) 12.00
Bells (business or residence) 3.00
Gongs (business or residence) 6.00
Directory service:
Extra listing 3.00
Additional line 3.00

TERRE HAUTE, IND.

NET ANNUAL EXCHANGE RATES OF THE CITIZENS INDEPENDENT TELEPHONE CO. IN EFFECT MAY 12, 1914.

Individual and party-line service.

	Individual line.	2-party line.	4-party line.	8-party rural.	Extension station.
Business	$36.00	$30.00	.....	.....	$12.00
Residence	24.00	21 00	$18.00	$18.00	6.00

THIEF RIVER FALLS, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Individual-line flat rate:
Business station $24.00
Residence station 18.00
Extension station 6.00
Rural station 18.00
Private branch exchange, per year per station 5.00
Rural connecting companies, $3 per year per station.

TOLEDO, OHIO.

NET ANNUAL EXCHANGE RATES OF THE TOLEDO HOME TELEPHONE CO. IN EFFECT NOV. 1, 1911.

[Exchange area confined to city limits of Toledo.]

Individual and party-line service:

	Individual line.	2-party line.	4-party line.
Business	$48.00	$40.00	.....
Residence	30.00	24.00	$18.00

Rural individual and party-line service:

	4-party line.	8-party line.
Business	$48.00	$40.00
Residence	30.00	24.00

Individual and 2-party service, $12 per mile or fraction thereof added to the city rate.

Private branch exchanges:
- Commercial—
  - Switchboard $20.00
  - Trunks, each 48.00
  - Stations within same building 12.00
  - Stations outside building, 2 cable pairs 48.00
  - Stations outside building, 1 cable pair 40.00
  - Stations outside building within 1,200 feet, 1 cable pair 18.00
  - Power generator circuit 12.00
- Hotels.—Each telephone instrument $4 for the first year and $5 for each year thereafter for 5 years. Switchboard and trunk lines free. 50 per cent of the local receipts are rebated to the hotel company, and all toll receipts are retained by the telephone company.

Intercommunicating system:
- Trunk lines $48.00
- Stations 12.00

Private branch exchange or intercommunicating systems sold: For first trunk line $80 net per annum and $70 net per annum for each additional trunk line.

Public pay stations are installed in drug stores and business houses at a guarantee of $54 per year. A 5-cent charge for all local messages is made, and all long-distance messages at the regular toll rate. Fifty per cent of the local receipts is rebated to the subscriber. All toll receipts are retained by the telephone company.
- Leased telephone loops at a rental of $24.00
- Leased telegraph loops at a rental of 50.00

Vacation rates: Subscribers who are absent from the city for 2 months or more are allowed 50 per cent discount during the period of absence.

Miscellaneous service:
- Push button and buzzer circuit $3.00
- Combination brackets 1.50
- Business extra name listing 12.00
- Residence extra name listing 6.00
- Cut-off switches 3.00
- Loud-ringing gong 6.00
- Wall jacks 3.00
- Charging circuits 24.00
- Return push buttons and buzzer circuit 4.00
- Leased telephone instruments, each 1.50
- Submarine trunk lines, for the first trunk 80.00
- Submarine trunk lines, for additional trunks, each 70.00
- Leased switchboards, each 50.00
- One business and one residence station connected together on one number using 2 cable pairs 78.00

Extensions:
- Bells 3.00
- Bells, vibrating 5.00
- Business station outside room within 1,200 feet of building 18.00

Special rates: A special discount of 25 per cent from regular business rates is allowed on county and city 'phones, the Young Men's Christian Association, Young Women's Christian Association, Newsboys' Association, and regular residence rates extended to churches, convents, social clubs, Salvation Army, schools and colleges, charitable organizations, hospitals, and lodges.

TONAWANDA AND NORTH TONAWANDA, N. Y.

NET ANNUAL EXCHANGE RATES OF THE FEDERAL TELEPHONE & TELEGRAPH CO. IN EFFECT MAY 1, 1913.

Individual and party-line unlimited local service:

	Individual line.	Party line.
Business	$36.00	$24.00
Residence	24.00	15.00

Extensions:
- Extension station located in same building as main station, wall or desk set instrument, connected only to exclusive line $10.00
- Extension bell connected in same building with instrument 2.00

Miscellaneous service:
- Extra listing in company's official directory 2.00
- Rural or multiparty service, wall set instrument only, may be nonselective 12.00

TRAVERSE CITY, MICH.

NET ANNUAL EXCHANGE RATES OF THE CITIZENS TELEPHONE CO. IN EFFECT APR. 28, 1914.

[Exchange area includes Traverse City and rural territory adjacent.]

Individual and party-line service (flat rates):

	Individual line.	4-party line.
Business	$26.00	$20.00
Residence	.....	14.00

Rural party line, $16. Rural party-line rates increase for distance beyond 5½ miles or less than 8 on line.

TRENTON, N. J.

NET ANNUAL EXCHANGE RATES OF THE DELAWARE & ATLANTIC TELEGRAPH & TELEPHONE CO. IN EFFECT AUG. 20, 1914.

[The local service area includes Trenton and 13 surrounding localities.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Both-way auxiliary line.	Extension station.
Business	$60.00	$48.00	$39.00	$42.00	6.00
Residence	36.00	30.00	24.00	.....	6.00

Message rates (business only).

Local messages per annum.	Individual line.	Additional local messages (cents).	Extension station.
600	$36.00	4	$6.00
800	42.00	4	.....
1,000	48.00	4	.....
1,200	54.00	4	.....

Additional local messages, $3 per 100 if contracted for in advance.

Rural-line service:
- Business $39.00
- Residence 24.00

No. 1 or No. 2 private branch exchange service:
- Business or residence—Flat rates—
  - Switchboard and an operator's telephone, or receiving station and switching devices, with battery power 30.00
  - First both-way trunk line, business 60.00
  - Additional both-way trunk lines, business, each 42.00
  - Trunk lines, both-way, residence, each 36.00
  - Stations, main or extension, each 6.00
  - Ringing power.—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.
- Business or residence—Message rates—
  - Switchboard and an operator's telephone, or receiving station and switching devices, with battery power $24.00
  - Trunk lines, both-way, each 24.00
  - Stations, main or extension, each 6.00
  - Local messages, guarantee 1,200, each 0.03
  - Additional local messages, each 0.04
  - If contracted for in advance in lots of 100, each 0.03
  - Ringing power.—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.
- Hotel—Message rates (contracts are not accepted for less than 20 stations, excluding operators' telephones)—
  - Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, $24.
  - Trunk lines, both-way only (for flat-rate trunk lines, see the following paragraphs), no additional charge.
  - Stations, main or extension, each (no additional charge is made for the stations and booth equipment installed in public corridors for the use of the general public), $6.
  - Local messages.—The subscriber, as the company's agent, charges patrons the regularly established public telephone rates for all local and toll messages and receives a commission on all charges for local and toll messages originating at the private branch exchange system.
- Hotel—Message rates—With flat-rate trunk lines—
  - Flat-rate trunk lines may be connected with hotel message-rate private branch exchanges for use in connection with flat-rate business stations, which may be provided only for the use of officials and employees of the hotel. Under such an arrangement the flat-rate trunk lines terminate on special cords, the plugs of which do not fit the message-rate station jacks. Stations which are to have flat-rate service are equipped with two jacks to permit connections with either the flat-rate or message-rate trunk lines, and with any other private branch exchange station. Flat-rate trunk lines are not listed in directory.

TRENTON, N. J.—Continued.

No. 1 or No. 2 private branch exchange service—Continued.
Hotel—Message rates—With flat-rate trunk lines—Continued.
Flat-rate trunk lines are charged for at the rates given under the standard schedules for business flat-rate private branch exchange service. The charges for the switchboard and for those stations which are equipped for connection with the flat-rate trunk lines, are equal to the sum of the respective standard rates which regularly apply under the business flat-rate and hotel message-rate schedules.
Short-term service:
Individual and party lines—
Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than 1 year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for 1 month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.
Message rates.—When the number of messages under a message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.
Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in 1 year.
Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.
Private branch exchanges:
Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.
Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.
Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.

TRENTON, N. J.—Continued.

Private branch exchanges—Continued.
Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals, or exceeds, the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in 1 year.
Excess exchange-line mileage (mileage charges are computed on air-line distances beyond the base-rate area):
Individual line, per quarter-mile or fraction thereof..... $5.00
Two-party line, per subscriber, per quarter-mile or fraction thereof..... 3.00
Four-party line, per subscriber, per quarter-mile or fraction thereof..... 2.00
Extension and tie-line mileage (charges are computed on route measurement), per quarter-mile or fraction thereof, $5.
Extra directory listings, business or residence, each, $3.
Joint-user service: Business flat rate, individual or party line, one-half regular rate.
Moving charges:
Individual or party-line, main or extension station or No. 1 private branch exchange station, during the first year or within 1 year from the last free move—
Inside move..... $1.00
Outside move—
Main station moved independently..... 3.00
Main station moved in conjunction with and to same address as switchboard..... 1.00
Extension station moved independently..... 3.00
Extension station moved in conjunction with and to same address as main station..... 1.00
Private branch exchange switchboards under annual contracts, during the first year or within 1 year from the last free move—

	Same room.	Another room.
Inside move—		
Cordless switchboard, 10 lines or less	$5.00	$8.00
Cord switchboard, 40 lines or less	10.00	18.00
Cord switchboard, over 40 lines	At cost.	At cost.
Outside move—		
Cordless switchboard, 10 lines or less		$10.00
Cord switchboard, 40 lines or less		18.00
Cord switchboard, over 40 lines		At cost.
Trunk line, tie line, or outside extension line (switchboard terminal)		$2.00

No. 2 private branch exchanges, during the first or subsequent years, at cost.

TROY, N. Y.

NET ANNUAL EXCHANGE RATES OF THE NEW YORK TELEPHONE CO. IN EFFECT AUG. 20, 1914.

[The local service area includes Troy and 15 surrounding localities.]

Individual and party-line service (flat rates):

	Individual line.	2-party line.	4-party line.	Both-way auxiliary line.	Extension station.
Business	$60.00	$48.00	.....	$45.00	$6.00
Residence	36.00	30.00	$24.00	27.00	6.00

Rural-line service:
In the Grafton and East Poestenkill locality—
Business..... $36.00
Residence..... 30.00
In the rest of the rural territory—
Business..... 30.00
Residence..... 24.00
No. 1 private branch exchanges:
Commercial and department store—Flat rates (contracts are not accepted for less than 2 stations, excluding operators' telephones)—
Switchboard, cordless, with battery power and an operator's telephone. $18.00
Switchboard, cord, with battery power and an operator's telephone for each position—
First position..... $36.00
Additional positions, each..... 24.00
First trunk line, both-way only, each..... 60.00
Additional trunk lines, both-way only, each..... 45.00
Stations, each..... 6.00
Ringing circuit (no additional charge if subscriber contracts for either 3 trunk lines or 20 stations)..... 18.00
Hotel and apartment house—Message rates—
Switchboard, with battery power and an operator's telephone for each position..... 36.00
Stations, main or extension, each (no charge for stations, including booth equipment, placed in public corridors for the use of the general public)..... 6.00
Trunk lines, both-way only, no additional charge.
Local messages, each, public telephone rate.
Ringing circuit (no additional charge if subscriber contracts for either 3 trunk lines or 20 stations)..... 18.00
No. 2 private branch exchanges (an installation charge is made, to cover the cost of construction of circuits between stations, including labor and material):
Business—Flat rates—
Trunk lines, both-way only..... $54.00
Stations, with switching device, each—
Equipped for 10 lines..... 12.00
Equipped for 20 lines..... 15.00
Equipped for 30 lines..... 18.00
Stations, without switching device, each..... 6.00
No. 1 residence system (an installation charge is made to cover the cost of construction of circuits between stations, including labor and material):
Flat rates—
Trunk lines, both-way only, each..... $30.00
Stations, with switching device, each—
Equipped for 10 lines..... 12.00
Equipped for 20 lines..... 15.00
Equipped for 30 lines..... 18.00
Stations, without switching device, each..... 6.00

TROY, N. Y.—Continued.

Short-term service:
Individual and party lines—
Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than one year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for 1 month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

Private branch exchanges:
Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.
Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.
Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.

Excess exchange-line mileage (charges are computed on route measurement beyond the base-rate area):
Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof $6.00
Two-party line, per station, per quarter-mile or fraction thereof 3.50
Four-party line, per station, per quarter-mile or fraction thereof 2.00

Extension and tie-line mileage (charges are computed on route measurement), per quarter-mile or fraction thereof, $6.

TROY, N. Y.—Continued.

Extra directory listings, business or residence, each, $3.

Moving charges:
Individual or party line, main or extension station or No. 1 private branch exchange station—
Inside move ..... No charge.
Outside move, during first year or within one year from last free move—
Main station moved independently $3.00
Main station moved in conjunction with and to same address as switchboard 1.00
Extension station moved independently of main station 3.00
Extension station moved in conjunction with and to same address as main station 1.00

Private branch exchange switchboards—
Inside move during first year or within one year from last free move—

	Same room.	Another room.
Cordless, 10 lines or less	$5.00	$8.00
Cord board, 40 lines or less	10.00	18.00
Cord board, over 40 lines	Estimated cost.	

Outside move during first year or within one year from last free move—
Cordless, 10 lines or less $10.00
Cord board, 40 lines or less 18.00
Cord board, over 40 lines ..... Estimated cost.

No. 2 private branch exchanges and No. 1 residence systems: First or subsequent years, estimated cost.

UTICA, N. Y.

NET ANNUAL EXCHANGE RATES OF THE NEW YORK TELEPHONE CO. IN EFFECT AUG. 20. 1914.

[The local service area includes Utica, Deerfield, and Maynard.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Both-way auxiliary line.	Extension station.
Business	$60.00	$48.00	.....	$45.00	$6.00
Residence	36.00	30.00	$24.00	27.00	6.00

Message rates (business only).

Local messages per annum.	2-party line.	Additional local messages (cents).	Extension station.
600	$33.00	4	$6.00
800	39.00	4	.....
1,000	[1] 45.00	4	.....

[1] Additional messages, 3 cents each if contracted for in advance in lots of 200.

Rural-line service:
Business $30.00
Residence 24.00

Private branch exchange service:
No. 1 private branch exchanges—
Commercial and department store—Flat rates (contracts are for not less than 2 stations, excluding operators' telephones)—
Switchboard, cordless, with battery power and an operator's telephone. $18.00
Switchboard, cord, with battery power and an operator's telephone for each position—
First position $36.00
Additional positions, each 24.00
First trunk line, both-way only 60.00
Additional trunk lines, both-way only, each 45.00
Stations, each 6.00
Ringing circuit (no additional charge if subscriber contracts for either 3 trunk lines or 20 stations) 18.00
Hotel and apartment house—Message rates—
Switchboard, with battery power and an operator's telephone for each position 36.00
Stations, each (no charge for stations, including booth equipment, placed in public corridors for the use of the general public) 6.00
Trunk lines, both-way only, no additional charge.
Local messages, each, public telephone rate.
Ringing circuit (no additional charge if subscriber contracts for 20 stations) 18.00

No. 2 private branch exchanges and No. 1 residence systems—Flat rates (an installation charge is made to cover the cost of circuits between stations, including labor and material)—
Trunk lines, both-way only, each—
Business $54.00
Residence 30.00
Stations, with switching device, each—
Equipped for 10 lines $12.00
Equipped for 20 lines 15.00
Equipped for 30 lines 18.00
Stations, without switching device, each 6.00

UTICA, N. Y.—Continued.

Short-term service:
Individual and party lines—
Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than 1 year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for 1 month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Message rates.—When the number of messages under a message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to minimum rate in the message-rate schedule for the period of use.

Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in 1 year.

Extension stations.—The charge is the proportionate part of the annual rate for the period of service plus one-half the proportionate part of the annual rate for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

Private branch exchanges:
Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.
Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.
Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.

Excess exchange-line mileage (charges are computed on route measurement beyond the base-rate area):
Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof $6.00
Two-party line, per station, per quarter-mile or fraction thereof 3.50
Four-party line, per station, per quarter-mile or fraction thereof 2.00

Extension and tie-line mileage (charges are computed on route measurement), per quarter-mile or fraction thereof, $6.

Extra directory listings, business or residence, $3.

UTICA, N. Y.—Continued.

Moving charges:
Individual or party line, main or extension station or No. 1 private branch exchange station—
Inside move ..... No charge.
Outside move, during first year or within one year from last free move—
Main station moved independently $3.00
Main station moved in conjunction with and to same address as switchboard 1.00
Extension station moved independently of main station 3.00
Extension station moved in conjunction with and to same address as main station 1.00
Private branch exchange switchboards—
Inside move during first year or within one year from last free move—

	Same room.	Another room.
Cordless, 10 lines or less	$5.00	$8.00
Cord board, 40 lines or less	10.00	18.00
Cord board, over 40 lines	Estimated cost.	

Outside move during first year or within one year from last free move—
Cordless, 10 lines or less $10.00
Cord board, 40 lines or less 18.00
Cord board, over 40 lines ..... Estimated cost.
No. 2 private branch exchanges and No. 1 residence systems: First or subsequent years, estimated cost.

VALLEY PARK, MO.

NET ANNUAL EXCHANGE RATES OF THE KINLOCH LONG-DISTANCE TELEPHONE CO. IN EFFECT MAY 2, 1914.

Individual and party-line service:

	Individual line.	2-party line.	4-party line.
Business	$30.00	$24.00	.....
Residence	18.00	15.00	$13.20

Extensions:
Business stations $12.00
Residence stations 6.00

WARSAW, N. Y.

NET ANNUAL EXCHANGE RATES OF THE FEDERAL TELEPHONE & TELEGRAPH CO. IN EFFECT MAY 1, 1913.

Individual and party-line service:

	Individual line.	Party line.	Extension station.
Business	$27.00	$24.00	$6.00
Residence	18.00	12.00	6.00

Miscellaneous service:
Rural lines $12.00
Office rate (individual lines) 18.00
Employees' stations 9.00
Extension bells 3.00
Extra name service 2.00
Only two subscribers are placed on business party lines.
On residence party lines the company reserves the right to put any number of subscribers, not exceeding 5, on these lines.
A special rate is made for stations installed in lawyers' and doctors' offices.

WASHINGTON, D. C.

NET ANNUAL EXCHANGE RATES OF THE CHESAPEAKE & POTOMAC TELEPHONE CO. IN EFFECT AUG. 20, 1914.

[The local service area includes all of Washington.]

Individual and party-line service:

Flat rates (residence only).

Individual line $48.00
Extension station 6.00

Message rates (business and residence).

Local messages per annum.	Individual line.	2-party line.	Additional local messages (cents).	Both-way auxiliary line.	Extension station.
360	.....	[1] $30.00	5	.....	$6.00
600	$39.00	.....	5	$30.00	6.00
800	48.00	.....	5	.....	.....
1,000	57.00	.....	5	.....	.....
1,200	66.00	.....	4	.....	.....
1,400	72.00	.....	4	.....	.....
1,600	78.00	.....	4	.....	.....
1,800	84.00	.....	4	.....	.....
2,000	90.00	.....	4	.....	.....
2,200	96.00	.....	4	.....	.....
2,400	102.00	.....	4	.....	.....
2,700	[2] 108.00	.....	3	.....	.....

[1] Monthly guarantee of one-twelfth of the contract number of "Local messages per annum."
[2] Additional local messages, $2 per 100, if contracted for in advance in lots of 300, and if one auxiliary line is contracted for, for each 4,500 local messages or less, in excess of the first 4,500 local messages.

WASHINGTON, D. C.—Continued.

Individual and party-line service—Continued.

Subscribers' coin-box rates (business and residence, 1-party).

Fixed annual charge $30.00
Local messages 0.05
Private branch exchange service:
No. 1 private branch exchanges—
Business and residence—Message rates—
Switchboard, cord or cordless, with battery power, ringing circuit, an operator's telephone for each position, 2 both-way trunk lines, and 2 stations—
Schedule I, including 2,400 local messages per annum $144.00
Schedule II, including no message allowance 84.00
Guaranteed local messages, 200 per month, each 0.02½
Additional trunk lines, each 24.00
Additional stations, each 6.00
Additional local messages, Schedule I, each 0.03
If contracted for in advance, in lots of 600, each 0.02½
Additional local messages, Schedule II, each 0.02½
No. 2 private branch exchanges (installations are usually limited to 10 lines. For installations equipped for 20 lines, an additional charge of $120 per annum is made)—
Residence—Flat rates—
Receiving station, with switching device, 1 both-way trunk line, and 3 additional stations $84.00
Additional trunk lines, both-way, including 1 station 48.00
Additional stations, main or extension, each 6.00
Business and residence—Message rates—
Receiving station, with switching device, 2 trunk lines, and 2 additional stations—
Schedule I, including 2,400 local messages per annum $144.00
Schedule II, including no message allowance 84.00
Guaranteed local messages 200 per month, each 0.02½
Additional trunk lines, each 24.00
Additional stations, each 6.00
Additional local messages, Schedule I, each 0.03
If contracted for in advance in lots of 600, each 0.02½
Additional local messages, Schedule II, each 0.02½
Short-term service:
Individual and party lines—
Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than 1 year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for 1 month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

WASHINGTON, D. C.—Continued.

Short-term service—Continued.
Individual and party lines—Continued.
Message rates.—When the number of messages used under a message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.
Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in 1 year.
Subscribers' coin-box service.—The charge for any period is the total "fixed annual charge," plus the rate for messages sent during the period of service, the minimum charge being that specified for the annual flat rate corresponding to the "computed minimum annual charge" for the same period of service.
Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.
Private branch exchanges:
Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.
Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of one of several trunk lines that longest in service is assumed to be the one disconnected.
Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.
Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals or exceeds the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in one year.
Extension and tie-line mileage (mileage charges are computed on route measurements):
Extension lines—
Each pair of wires, not exceeding 300 feet $6.00
Each pair of wires over 300 feet, per quarter-mile or fraction thereof 12.00
Under certain conditions subscribers may pay an installation charge in lieu of mileage for relatively short-distance extension lines.
Tie lines, per quarter-mile or fraction thereof, $12.
Extra directory listings, business or residence, each, $3.
Moving charges:
Individual or party line, main or extension station or No. 1 private branch exchange station, during the first year or within 1 year from the last free move—
Inside move $1.00
Outside move—
Main station moved independently 3.00
Main station moved in conjunction with and to same address as switchboard 1.00
Extension station moved independently 3.00
Extension station moved in conjunction with and to same address as main station 1.00
Private branch exchange switchboards, during the first year or within 1 year from the last free move—

	Same room.	Another room.
Inside move—		
Cordless switchboard, 10 lines or less	$5.00	$8.00
Cord switchboard, 40 lines or less	10.00	18.00
Cord switchboard, over 40 lines	At cost.	At cost.
Outside move—		
Cordless switchboard, 10 lines or less		$10.00
Cord switchboard, 40 lines or less		18.00
Cord switchboard, over 40 lines		At cost.
Trunk line, tie line, or outside extension line (switchboard terminal)		$3.00

No. 2 private branch exchanges or No. 1 residence systems, during the first or subsequent years, at cost.

WATERBURY, CONN.

NET ANNUAL EXCHANGE RATES OF THE SOUTHERN NEW ENGLAND TELEPHONE CO. IN EFFECT AUG. 20, 1914.

[The local service area includes Middleburg, Prospect, Waterbury, and Wolcott, Conn.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Auxiliary line.	Extension station.
Business	$72.00	$54.00	.....	$50.00	[1] $8.00
Residence	36.00	.....	$30.00	.....	[1] 6.00

[1] Plus installation charge of $2.

WATERBURY, CONN.—Continued.

Individual and party-line service—Continued.

Message rates.

Local messages per annum.	Individual line.	4-party line.	6-party line.	Additional local messages (cents).	Extension station.
Business:					
800 or less		$36.00		4	[1] $8.00
1,200	$48.00			4	
1,500	54.00			4	
1,800	60.00			3½	
2,100	66.00			3½	
Residence:					
300 or less			$21.00	5	[1] 6.00
400			25.00	4	

[1] Plus installation charge of $2.

Individual and party line—Short-term service.—Short-term flat-rate service, for periods of 6 months or less, is charged for at two-thirds of the standard annual rate. Emergency service, installed on account of sickness for periods of not more than 1 month, is furnished for a flat charge of $5.

Rural-line service.—Service is furnished on an 8-plus-party line basis to both business and residence subscribers at $18 per annum. The local service area to rural line subscribers covers only that portion of the township in which such subscribers are located, which is served by the same exchange. Messages to all other stations within the exchange area are charged for at 5 cents each. No toll is charged for incoming messages originating at subscribers' stations within the base-rate area or at subscribers' stations outside the base-rate area on which mileage is charged (not rural-line stations). Toll charges to other exchanges are the same on messages from rural-line stations as on messages from subscribers' stations within the base-rate area served by the same central office. Eight-plus-party rural-line stations, on which the 5 cent charge applies on messages to stations outside of the township of the calling station but within the same exchange area, are equipped with coin boxes.

Private branch exchange service:

No. 1 private branch exchanges (subscribers bear the expense of installation excepting that portion to which regular mileage charges apply)—

Commercial, department store, family hotel, and apartment house—Flat rates—

Switchboard, cord or cordless, with battery power, without operating telephones, no additional charge.

First trunk line, both-way only $72.00
Additional trunk lines, both-way only, each 50.00
Stations, each 8.00
Ringing circuit—$7.50 per annum per one-quarter-mile or fraction thereof of circuit required, plus (subscribers bear costs incidental to the installation of local ringing power) 10.00

Commercial, department store, family and transient hotel, and apartment house—Message rates—

Switchboard, cord or cordless, with battery power, without operating telephones, no additional charge.
Trunk lines, both-way only, no additional charge.
Stations, each, $3.
Local messages—guarantee—
5,000 per annum, $150; additional local messages, each $0.03
10,000 per annum, $300; additional local messages, each 0.03
15,000 per annum, $400; additional local messages, each 0.02½
20,000 per annum, $500; additional local messages, each 0.02½
Ringing circuit—$7.50 per annum per one-quarter-mile or fraction thereof of circuit required, plus (subscribers bear costs incidental to the installation of local ringing power) 10.00

No. 2 private branch exchanges—

Business and residence—Flat rates (subscribers bear the expense of installation and the cost of maintaining the wiring)—

First trunk line, both-way only $72.00
Additional trunk lines, both-way only, each 50.00
Stations 8.00

Excess exchange-line mileage (mileage charges are computed on air-line distances. In outlying sections having a community of interests, an average mileage charge is usually applied on party-line service, but individual-line mileage is computed separately for each subscriber. These average mileage charges are computed on air-line distances between the centers of such communities and the boundary of the base-rate area):

Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof $5.00
Party line, per station, per quarter-mile or fraction thereof 1.00

Extension and tie-line mileage, per quarter-mile or fraction thereof, $7.50.
Extra directory listings, business or residence, $4.
Joint-user service:
Flat rates, one-half the annual rate for the class of service employed.
Message rates, $8.
Moving charges:
Individual and party lines—
Moving a station to a different location on the same premises $1.00
Moving a main station to premises which are already wired 2.00
Moving a main station to premises which are not wired 3.00
Private branch exchanges—
Moving a part or all of a private branch exchange system, actual cost.
No charge is made under contracts for individual and party lines if the existing service has been used continuously at the same location for the full preceding year, or if the subscriber has paid the standard charges for all changes of location or equipment made during such preceding year, or, if at the time of moving, a contract is taken for a higher grade of service at an increased rate.

WHITE BEAR, MINN.

NET ANNUAL EXCHANGE RATES OF THE TRI-STATE TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 10, 1914.

Individual and party-line service:

	Individual line.	2-party line.	4-party line.	4 or over line.	Extension station.
Business	$30.00	$24.00			$12.00
Residence	24.00	18.00	$18.00	$12.00	6.00

WHITE HALL, ILL.

NET ANNUAL EXCHANGE RATES OF THE ILLINOIS TELEPHONE CO. IN EFFECT DEC. 31, 1914.

Business $24.00
Business with extension on same line in same building 36.00
Residence 12.00
Residence with extension on same line in same building 18.00

WICHITA, KANS.

NET ANNUAL EXCHANGE RATES OF THE MISSOURI & KANSAS TELEPHONE CO. IN EFFECT AUG. 22, 1914.

Individual and party-line service (flat rates):

	Individual line.	2-party line.	Extension station.
Business	$48.00	$36.00	Desk set, $12.
Residence	24.00	18.00	Desk set, $12. Wall set, $7.80. Wall set, without bell, $6.

Individual and party-line short-term service.—The charge is the proportionate part of the annual rate for the class of service employed, minimum period one month, plus a termination charge equal to $1 per month for the unexpired portion of the initial contract year.

Rural-line service (contracts are not accepted for less than 4 nor more than 10 subscribers on a line, nor for an average of less than 1 subscriber per mile of circuit), business or residence, $24.

Family hotel and apartment house—Flat rates (contracts are not accepted for less than 3 stations, excluding operators' telephones):

Switchboard, cordless, with battery power and operator's telephone, maximum capacity 3 trunks, 7 lines $24.00
Switchboard, cord, with battery power and an operator's telephone for each position, maximum capacity, 80 lines—
Equipped for 15 lines or less $24.00
Additional equipment for each group of 5 lines or less 2.40
Trunk lines, both-way only, each 48.00
Stations, each—
1 to 10 ..... 6.00
11 to 20 ..... 5.40
21 to 35 ..... 4.80
36 to 50 ..... 4.20
51 to 100 ..... 3.60
Over 100 ..... 3.00
Ringing circuit, no additional charge.

Transient hotel—Message rates (subscribers furnish and maintain the wiring between the switchboard and the stations in hotel rooms):

Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, no additional charge.
Trunk lines, both-way only, no additional charge.
Stations, each—
1 to 10 ..... $6.00
11 to 20 ..... 5.40
21 to 35 ..... 4.80
36 to 50 ..... 4.20
51 to 100 ..... 3.60
Over 100 ..... 3.00
Local messages, each 0.02½

No. 2 private branch exchanges:

Business and residence—Flat rates (an installation charge is made when unusual expense is incurred. Contracts are not accepted for less than 3 stations. The maximum equipment furnished consists of 10 lines)—

Trunk lines, both-way only, each—
Business $48.00
Residence 24.00
Stations, with or without switching device—
Business, each 15.00
Residence, each—
First three 12.00
All others 6.00

Excess exchange line mileage (charges are computed on air-line distances beyond the city limits):

Individual line, per quarter-mile or fraction thereof $6.00
Two-party line, per station, per quarter-mile or fraction thereof 4.20

Extension and tie-line mileage (charges are computed on the shortest established route between terminals), per quarter-mile or fraction thereof. 6.00
Extra directory listings, business or residence, each, $1.80.
Joint-user service:
Business 12.00
Residence 6.00
Moving charges:
Inside station moves—
Within the same room 1.00
Within the same building 1.50
Outside station moves 2.50

WILKES-BARRE, PA.

NET ANNUAL EXCHANGE RATES OF THE BELL TELEPHONE CO. OF PENNSYLVANIA IN EFFECT AUG. 20, 1914.

[The local service area includes Wilkes-Barre and 33 surrounding localities.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Both-way auxiliary line.	Extension station.
Business	$60.00	$48.00	$39.00	$42.00	$6.00
Residence	36.00	30.00	24.00		6.00

WILKES-BARRE, PA.—Continued.

Individual and party-line service—Continued.

Message rates (business only).

Local messages per annum.	Individual line.	2-party line.	4-party line.	Additional local messages (cents).	Extension station.
600	$42.00	$36.00	$30.00	4	$6.00
800	48.00	42.00	36.00	4	.....
1,000	54.00	48.00	42.00	4	.....
1,200	60.00	54.00	48.00	4	.....

Additional local messages, $3 per 100 if contracted for in advance.

Rural-line service:
- Applying in Bear Creek and between Bear Creek and Laurel Run—
  - Business $48.00
  - Residence 36.00
- Applying in rest of rural territory—
  - Business 39.00
  - Residence 24.00

No. 1 or No. 2 private branch exchange service:
- Business or residence—Flat rates—
  - Switchboard and an operator's telephone, or receiving station and switching devices, with battery power 30.00
  - First both-way trunk-line business 60.00
  - Additional both-way trunk lines, business, each 42.00
  - Trunk lines, both-way, residence, each 36.00
  - Stations, each 6.00
  - Ringing power.—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.
- Business or residence—Message rates—
  - Switchboard and an operator's telephone, or receiving station and switching devices, with battery power $24.00
  - Trunk lines, both-way, each 24.00
  - Stations, each 6.00
  - Local messages, guarantee 1,200, each 0.03
  - Additional local messages, each 0.04
  - If contracted for in advance, in lots of 100, each 0.03
  - Ringing power.—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.
- Hotel—Message rates (contracts are not accepted for less than 20 stations, excluding operators' telephones)—
  - Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, $24.
  - Trunk lines, both-way only (for flat-rate trunk lines, see the following paragraphs), no additional charge.
  - Stations, main or extension, each (no additional charge is made for the stations and booth equipment installed in public corridors for the use of the general public), $6.
  - Local messages.—The subscriber, as the company's agent, charges patrons the regularly established public telephone rates for all local and toll messages and receives a commission on all charges for local and toll messages originating at the private branch exchange system.
- Hotel message rates—With flat-rate trunk lines—
  - Flat-rate trunk lines may be connected with hotel message-rate private branch exchanges for use in connection with flat-rate business stations, which may be provided only for the use of officials and employees of the hotel. Under such an arrangement the flat-rate trunk lines terminate on special cords, the plugs of which do not fit the message-rate station jacks. Stations which are to have flat-rate service are equipped with two jacks to permit connections with either the flat-rate or message-rate trunk lines, and with any other private branch exchange station. Flat-rate trunk lines are not listed in directory.
  - Flat-rate trunk lines are charged for at the rates given under the standard schedules for business flat-rate private branch exchange service. The charges for the switchboard and for those stations which are equipped for connection with the flat-rate trunk lines, are equal to the sum of the respective standard rates which regularly apply under the business flat-rate and hotel message-rate schedules.

Short-term service:
- Individual and party lines—
  - *Flat rates.*—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than one year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

WILKES-BARRE, PA.—Continued.

Short-term service—Continued.
Individual and party-lines—Continued.

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for one month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Message rates.—When the number of messages under a message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.

Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or a higher grade service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in one year.

Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.

Private branch exchanges:
- *Switchboards.*—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.
- *Trunk lines.*—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.
- *Stations, main or extension.*—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.
- *Local messages.*—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals, or exceeds, the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in one year.

Excess exchange-line mileage (mileage charges are computed on air-line distance, beyond the base-rate area):
- Individual line, per quarter-mile or fraction thereof $5.00
- Two-party line, per subscriber, per quarter-mile or fraction thereof 3.00
- Four-party line, per subscriber, per quarter-mile or fraction thereof 2.00

Extension and tie-line mileage (charges are computed on route measurement), per quarter-mile or fraction thereof, $5.

Extra directory listings, business or residence, $3.

Joint-user service, business flat rate, individual or party line, one-half regular rate.

Moving charges:
- Individual or party line, main or extension station or No. 1 private branch exchange station, during the first year or within 1 year from the last free move—
  - Inside move $1.00
  - Outside move—
    - Main station moved independently 3.00
    - Main station moved in conjunction with and to same address as switchboard 1.00
    - Extension station moved independently 3.00
    - Extension station moved in conjunction with and to same address as main station 1.00
- Private branch exchange switchboards under annual contracts during the first year or within 1 year from the last free move—

	Same room.	Another room.
Inside move—		
Cordless switchboard, 10 lines or less	$5.00	$8.00
Cord switchboard, 40 lines or less	10.00	18.00
Cord switchboard, over 40 lines	At cost.	At cost.
Outside move—		
Cordless switchboard, 10 lines or less		$10.00
Cord switchboard, 40 lines or less		18.00
Cord switchboard, over 40 lines		At cost.
Trunk line, tie line, or outside extension line (switchboard terminal)		$2.00

No. 2 private branch exchanges, during the first or subsequent years, at cost.

WILKES-BARRE, PA.

NET ANNUAL EXCHANGE RATES OF THE CONSOLIDATED TELEPHONE CO. IN EFFECT JULY 30, 1914.

Individual and party-line service:

	Individual line.	2-party line.	Extension station.	Extension bell.
Business	$30.00	$24.00	$6.00	$1.80
Residence	24.00	20.00	6.00	1.80

Private branch exchange rates:
Switchboard, $30.
Trunks, individual-line rate for the first trunk, less $6 for each additional trunk.
Stations, in same building as private branch exchange, $6 each. Outlying, $6 each per year plus excess mileage charge of $3.75 per quarter-mile or fraction thereof.
Private branch exchange rates are standard with the exception of the trunk-line rates, which are governed by the exchange to which the private branch exchange is directly connected.

WILMINGTON, DEL.

NET ANNUAL EXCHANGE RATES OF THE DIAMOND STATE TELEPHONE CO. IN EFFECT AUG. 20, 1914.

[The local service area includes Wilmington and 26 surrounding localities.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Both-way auxiliary line.	Extension station.
Business	$60.00	$48.00	$39.00	$42.00	$6.00
Residence	36.00	30.00	24.00	.....	6.00

Message rates (business only).

Local messages per annum.	Individual line.	Additional local messages (cents).	Extension stations.
600	$36.00	4	$6.00
800	42.00	4	.....
1,000	48.00	4	.....
1,200	54.00	4	.....

Additional local messages, $3 per 100, if contracted for in advance.

No. 1 or No. 2 private branch exchange service:
Business or residence—Flat rates—
Switchboard and an operator's telephone or receiving station and switching devices, with battery power $30.00
First both-way trunk line, business 60.00
Additional both-way trunk lines, business, each 42.00
Trunk lines, both-way, residence, each 36.00
Stations, main or extension, each 6.00
Ringing power.—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.
Business or residence—Message rates—
Switchboard and an operator's telephone or receiving station and switching devices, with battery power $24.00
Trunk lines, both-way, each 24.00
Stations, main or extension, each 6.00
Local messages, guarantee 1,200, each 0.03
Additional local messages, each 0.04
If contracted for in advance, in lots of 100, each 0.03
Ringing power.—Hand-operated generator, for signaling stations, furnished without charge in connection with switchboards with less than 20 stations connected, or ringing power furnished at $24 per annum. No charge for ringing power in connection with switchboards of more than 20 stations.
Hotel—Message rates (contracts are not accepted for less than 20 stations, excluding operators' telephones)—
Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, $24.
Trunk lines, both-way only (for flat-rate trunk lines, see the following paragraphs), no additional charge.
Stations, main or extension, each (no additional charge is made for the stations and booth equipment, installed in public corridors for the use of the general public), $6.
Local messages.—The subscriber, as the company's agent, charges patrons the regularly established public-telephone rates for all local and toll messages and receives a commission on all charges for local and toll messages originating at the private branch exchange system.
Hotel—Message rates—With flat-rate trunk lines—
Flat-rate trunk lines may be connected with hotel message-rate private branch exchanges for use in connection with flat-rate business stations, which may be provided only for the use of officials and employees of the hotel. Under such an arrangement the flat-rate trunk lines terminate on special cords, the plugs of which do not fit the message-rate station jacks. Stations which are to have flat-rate service are equipped with two jacks to permit connections with either the flat-rate or message-rate trunk lines and with any other private branch exchange station. Flat-rate trunk lines are not listed in directory.
Flat-rate trunk lines are charged for at the rates given under the standard schedules for business flat-rate private branch exchange service. The charges for the switchboard and for those stations which are equipped for connection with the flat-rate trunk lines, are equal to the sum of the respective standard rates which regularly apply under the business flat-rate and hotel message-rate schedules.

WILMINGTON, DEL.—Continued.

Short-term service:
Individual and party lines—
Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than 1 year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for one month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

Message rates.—When the number of messages under a message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.
Note.—Subscribers are privileged to supersede message-rate contracts by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases, the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in one year.
Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.
Private branch exchanges:
Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.
Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.
Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.
Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals, or exceeds, the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in one year.

WILMINGTON, DEL.—Continued.

Excess exchange-line mileage (charges are computed on air-line distances beyond the base-rate area):
- Individual line, per quarter-mile or fraction thereof $5.00
- Two-party line, per subscriber, per quarter-mile or fraction thereof 3.00
- Four-party line, per subscriber, per quarter-mile or fraction thereof 2.00

Extension and tie-line mileage (charges are computed on route measurement), per quarter-mile or fraction thereof, $5.

Extra directory listings, business or residence, each, $3.

Joint-user service, business flat rate, individual or party line, one-half regular rate.

Moving charges:
- Individual or party line, main or extension station or No. 1 private branch exchange station, during the first year or within one year from the last free move—
  - Inside move $1.00
  - Outside move—
    - Main station moved independently 3.00
    - Main station moved in conjunction with and to same address as switchboard 1.00
    - Extension station moved independently 3.00
    - Extension station moved in conjunction with and to same address as main station 1.00
- Private branch exchange switchboards, during the first year or within one year from the last free move—

	Same room.	Another room.
Inside move—		
Cordless switchboard, 10 lines or less	$5.00	$8.00
Cord switchboard, 40 lines or less	10.00	18.00
Cord switchboard, over 40 lines	At cost.	At cost.
Outside move—		
Cordless switchboard, 10 lines or less		$10.00
Cord switchboard, 40 lines or less		18.00
Cord switchboard, over 40 lines		At cost.
Trunk line, tie line, or outside extension line (switchboard terminal)		$2.00

No. 2 private branch exchanges, during the first or subsequent years, at cost.

WOODSON, ILL.

NET ANNUAL EXCHANGE RATES OF THE ILLINOIS TELEPHONE CO. IN EFFECT DEC. 31, 1914.

Business	$18.00
Business with extension on same line in same building	27.00
Residence	18.00
Residence with extension on same line in same building	27.00

WORCESTER, MASS.

NET ANNUAL EXCHANGE RATES OF THE NEW ENGLAND TELEPHONE & TELEGRAPH CO. IN EFFECT AUG. 26, 1914.

[The local service area includes all of Worcester; and parts of Auburn, Boylston, Grafton, Holden, Leicester, Millbury, Paxton, Shrewsbury, and West Boylston.]

Individual and party-line service:

Flat rates.

	Individual line.	2-party line.	4-party line.	Inward auxiliary line.	Extension station.
Business	$63.00			$33.00	$6.00
Residence	36.00	$30.00	$25.00		6.00

Message rates (business only).

Local messages per annum	780
Individual line	$39.00
Additional local messages:	
Up to a total of 6,000, each	0.03
Next 6,000, each	0.02¾
All others, each	0.02½
Extension station	6.00

No. 1 or No. 2 private branch exchanges:
- Commercial, residence, hotel, and apartment house—Message rates (contracts are not accepted for periods of less than 3 years. No. 2 business systems are limited to a total of 10 lines)—
  - Switchboard, with battery power, an operator's telephone or receiving station with switching devices and 2,500 local messages per annum $75.00
  - Trunk lines, both-way only, each 21.00
  - Stations, each 6.00
  - Additional local messages—
    - First 3,500, each (in hotels and apartment houses all additional local messages are charged for at 3 cents each) 0.03
    - Next 6,000, each 0.02¾
    - All others, each 0.02½
  - Ringing circuit (applies only within a radius of 1 mile, air-line distance, from a central office, for installations of 19 stations or less. No additional charge is made if subscribers, within 1 mile from the central office, contract for 20 stations or more. Beyond this distance a mileage charge is made of $5 per quarter-mile or fraction thereof) 18.00
- Hotels—Message rates—Season service (contracts are not accepted for periods of less than 5 years nor for less than 50 stations and allow service for a period of 5 months in each year)—
  - Switchboard, cord only, with battery power, ringing circuit, and an operator's telephone for each position, no charge.
  - Trunk lines, both-way only, no charge.
  - Stations—
    - First 50, each $5.00
    - Over 50, each 4.00
  - Local messages, each 0.03
- Department store—Message rates (contracts are not accepted for periods of less than 5 years, nor for less than 50 stations)—
  - Switchboard, with battery power, ringing circuit, and an operator's telephone, no charge.
  - Trunk-lines, both-way only, each $24.00
  - Stations, each 6.00

WORCESTER, MASS.—Continued.

No. 1 or No. 2 private branch exchanges—Continued.
- Department store—Message rates—Continued.
  - Local messages—
    - First 6,000, each $0.03
    - Next 6,000, each 0.02¾
    - All others, each 0.02½

No. 2 private branch exchanges—Residence—Flat rates (contracts are not accepted for a period of less than 3 years. Interior cable in excess of 500 feet and all outside cable between a subscriber's buildings on the same premises is furnished at the subscriber's expense. The rate quoted for receiving stations includes switching devices for all stations):
- Trunk lines, both-way, each $36.00
- Trunk lines, incoming, each 33.00
- Receiving station, with switching devices 24.00
- Stations, with or without switching device, each 6.00

Short-term service:
- Emergency service (regular installation and renoval charges apply as specified below under 3 months' service)—
  - Flat-rate individual line or residence No. 2 private branch exchange trunk line—
    - First day $3.00
    - Each additional day 0.75
  - Message-rate trunk line and private branch exchange station (either or both)—
    - First three days $5.00
    - Each additional week (charge not to exceed annual rate) 1.00
- Three-month periods—
  - Flat rates—
    - Business—
      - Individual line 25.00
    - Residence—
      - Individual line or No. 2 private branch exchange trunk line 20.00
      - Party line, per station 17.00
  - Message rates—
    - Private branch exchange trunk line (no installation charge) 12.00
    - Service continuing beyond the initial 3 months' period is charged for at a rate for each whole month equal to one-ninth the difference between the short-term rate and the annual rate for similar service, with a charge pro rata for fractional parts of a month.
    - The following charges are made in addition to the rates quoted above for installation and removal of equipment furnished for short periods:
      - If instrument is on premises and inside wiring and drop wiring are in place $2.00
      - If both inside wiring and drop wiring are in place, but it is necessary to furnish an instrument 3.00
      - If either inside wiring or drop wiring is in place—but not both—and instrument must be installed 4.00
      - If it is necessary to install inside wiring, drop wiring and instrument. 5.00

Excess exchange-line mileage (mileage is charged on the air-line distances, beyond 2 miles from the central office):
- Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof $2.50
- Two-party line, per station, per quarter-mile or fraction thereof 1.00
- Four-party line, per station, per quarter-mile or fraction thereof 0.50

Extension and tie-line mileage (charges are computed on route measurements):
- Extension lines—
  - First half-mile or fraction thereof $10.00
  - Each additional quarter-mile or fraction thereof 5.00
- Tie lines (between switchboards in the same exchange)—
  - Switchboards contracted for by the same subscriber in separate buildings—
    - First mile or fraction thereof $35.00
    - Each additional quarter-mile or fraction thereof (when the switchboards are in the same building and only inside wiring is required the minimum charge per line is $10.) 8.75
  - Switchboards contracted for by different subscribers in separate buildings. (Not more than 3 private branch exchange switchboards of different subscribers will be connected together by means of tie lines)—
    - First mile or fraction thereof $60.00
    - Each additional quarter-mile or fraction thereof 15.00

Extra directory listings:
- Business or residence 3.00
- Names of tenants in hotels and apartment houses 5.00

Joint-user service:
- Flat rates: Individual line or private branch exchange, one-half annual rate, not to exceed $50.
- Message rates, individual line or private branch exchange, $5.

Moving charges (individual or party-line stations or No. 1 private branch exchange stations):
- Inside move—
  - 25 feet or less of inside wiring necessary $1.00
  - Over 25 feet of inside wiring necessary 2.00
- Outside move—
  - Drop and inside wiring necessary and instrument to be placed 5.00
  - Drop or inside wiring (one only) necessary and instrument to be placed. 4.00
  - No wiring necessary but instrument to be placed 3.00
  - No wiring necessary and instrument in place 2.00

When a main station, extension stations, and other station equipment are moved at the same time, the work practically constituting one job, full charge is made for moving the main station, and one-half the scheduled charges for moving the other apparatus.

Moves of switchboards, entire No. 1 private branch exchange systems, or No. 2 private branch exchange stations are made at actual cost.

At any time after the expiration of the initial contract period the subscriber may extend his contract for another contract period in lieu of payment of the above charges.

YONKERS, N. Y.

NET ANNUAL EXCHANGE RATES OF THE NEW YORK TELEPHONE CO. IN EFFECT AUG. 20, 1914.

Individual and party-line service:

Flat rates (residence only).

Individual line	$36.00
4-party line	30.00
Both-way auxiliary line	27.00
Extension station	6.00

YONKERS, N. Y.—Continued.

Individual and party-line service—Continued.

Message rates (business only).

Local messages per annum.	Individual line.	2-party line.	Additional local messages (cents).	Both-way auxiliary line.	Extension station.
600	$36.00	$30.00	5	$21.00	$6.00
800	42.00	36.00	4	.....	.....
1,000	48.00	42.00	4	.....	.....
1,200	54.00	48.00	4	.....	.....
1,500	60.00	.....	3	.....	.....
1,800	66.00	.....	3	.....	.....
2,100	72.00	.....	3	.....	.....
2,400	78.00	.....	3	.....	.....
2,700	84.00	.....	3	.....	.....
3,000	90.00	.....	3	.....	.....

No. 1 private branch exchanges:
General—Message rates—
Switchboard, cord or cordless, with battery power, an operator's telephone for each position, 2 both-way trunk lines, 2 stations, and 1,800 local messages per annum $108.00
Additional trunk lines, both-way, each 15.00
Additional stations, each 6.00
Additional local messages, each 0.03
If contracted for in advance in lots of 300, each 0.02
Ringing circuit (no additional charge if subscriber contracts for either 3,600 local messages or 20 stations) 24.00
No. 1 residence systems (an installation charge is made to cover the cost of construction of circuits between stations, including labor and material):
Flat rates—
Trunk lines, both-way only, each $30.00
Stations, with switching device, each—
Equipped for 10 lines 12.00
Equipped for 20 lines 15.00
Equipped for 30 lines 18.00
Stations, without switching device, each 6.00
Short-term service:
Individual and party lines—
Flat rates.—The table given below shows, associated with the corresponding annual base flat rates, the rates for periods of less than 1 year for all classes of flat-rate exchange service, except those classes for which special rates are given below, together with the charges for terminating annual contracts within the initial period.

Annual flat rates.		1 month.	2 months.	3 months.	4 months.	5 months.	6 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
15.00	Short-term rate	12.25	12.50	12.75	13.00	13.25	13.50
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
18.00	Short-term rate	12.50	13.00	13.50	14.00	14.50	15.00
	Termination charge	11.00	10.00	9.00	8.00	7.00	6.00
24.00	Short-term rate	13.55	14.50	15.45	16.40	17.35	18.30
	Termination charge	11.55	10.50	9.45	8.40	7.35	6.30
30.00	Short-term rate	14.60	16.00	17.40	18.80	20.20	21.60
	Termination charge	12.10	11.00	9.90	8.80	7.70	6.60
36.00	Short-term rate	15.65	17.50	19.35	21.20	23.05	24.90
	Termination charge	12.65	11.50	10.35	9.20	8.05	6.90
42.00	Short-term rate	16.70	19.00	21.30	23.60	25.90	28.20
	Termination charge	13.20	12.00	10.80	9.60	8.40	7.20
48.00	Short-term rate	17.75	20.50	23.25	26.00	28.75	31.50
	Termination charge	13.75	12.50	11.25	10.00	8.75	7.50
54.00	Short-term rate	18.80	22.00	25.20	28.40	31.60	34.80
	Termination charge	14.30	13.00	11.70	10.40	9.10	7.80
60.00	Short-term rate	19.85	23.50	27.15	30.80	34.45	38.10
	Termination charge	14.85	13.50	12.15	10.80	9.45	8.10

Annual flat rates.		7 months.	8 months.	9 months.	10 months.	11 months.	12 months.
$12.00	Short-term rate	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
15.00	Short-term rate	13.75	14.00	14.25	14.50	14.75	15.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
18.00	Short-term rate	15.50	16.00	16.50	17.00	17.50	18.00
	Termination charge	5.00	4.00	3.00	2.00	1.00	.....
24.00	Short-term rate	19.25	20.20	21.15	22.10	23.05	24.00
	Termination charge	5.25	4.20	3.15	2.10	1.05	.....
30.00	Short-term rate	23.00	24.40	25.80	27.20	28.60	30.00
	Termination charge	5.50	4.40	3.30	2.20	1.10	.....
36.00	Short-term rate	26.75	28.60	30.45	32.30	34.15	36.00
	Termination charge	5.75	4.60	3.45	2.30	1.15	.....
42.00	Short-term rate	30.50	32.80	35.10	37.40	39.70	42.00
	Termination charge	6.00	4.80	3.60	2.40	1.20	.....
48.00	Short-term rate	34.25	37.00	39.75	42.50	45.25	48.00
	Termination charge	6.25	5.00	3.75	2.50	1.25	.....
54.00	Short-term rate	38.00	41.20	44.40	47.60	50.80	54.00
	Termination charge	6.50	5.20	3.90	2.60	1.30	.....
60.00	Short-term rate	41.75	45.40	49.05	52.70	56.35	60.00
	Termination charge	6.75	5.40	4.05	2.70	1.35	.....

Note.—The minimum charge is for 1 month. For fractional parts of succeeding months the charge is the proportionate part of the amount by which the rate increases for each additional month. To determine the charge in connection with any annual rate not specified above, add to the proportionate part of such annual rate the termination charge specified above for the next higher annual rate.

YONKERS, N. Y.—Continued.

Short-term service—Continued.
Individual and party lines—Continued.
Message rates.—When the number of messages under a message-rate contract is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than that specified for the annual flat rate corresponding to the minimum rate in the message-rate schedule for the period of use.
Note.—Subscribers are privileged to supersede message-rate contract by flat-rate contracts for the same or a higher grade of service, effective from the beginning of the contract year, where both flat and message rates are quoted and where the proposed change does not involve either a serious sacrifice of original construction or unusual new construction. In such cases the maximum charge for local service and equipment is that specified for the period of use under the annual flat rate for the same or next higher grade of service. When the number of messages used under a retail message-rate contract equals or exceeds the minimum specified in the schedule, the charge is the schedule rate for the messages used, as though such messages were used in 1 year.
Extension stations.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the main station, that longest in service is assumed to be the one disconnected.
Private branch exchanges:
Switchboards.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half of the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate.
Trunk lines.—The charge is for the period of service as specified for the annual rate corresponding to the trunk-line rate, under "Flat rates." Upon disconnection of one of several trunk lines, that longest in service is assumed to be the one disconnected.
Stations, main or extension.—The charge is the proportionate part of the annual rate, for the period of service, plus one-half of the proportionate part of the annual rate, for the remaining portion of the year, the minimum charge being three-fourths of the established annual rate. Upon disconnection of one of several stations located in the same building as the switchboard, that longest in service is assumed to be the one disconnected.
Local messages.—When the number of messages used is less than the minimum specified in the schedule, the charge is such proportion of the minimum annual rate as the number of messages used bears to the number of messages guaranteed under such rate, the minimum charge being not less than such proportion of the minimum annual rate as the expired portion of the year bears to the whole year. When the number of messages used equals, or exceeds, the minimum specified in the schedule, the charge is the contract rate for the messages used, as though such messages were used in one year.
Excess exchange-line mileage (charges are computed on air-line distances):
Individual line or private branch exchange trunk line, per quarter-mile or fraction thereof $9.00
Two-party line, per subscriber, per quarter-mile or fraction thereof 4.50
Four-or-more party line, per subscriber, per quarter-mile or fraction thereof 2.25
Extension and tie-line mileage (charges are computed on route distances), per quarter-mile or fraction thereof, $7.50.
Extra directory listings, business or residence, each, $3.
Moving charges:
Individual or party line, main or extension station, or No. 1 private branch exchange station—
Inside move ..... No charge.
Outside move, during first year or within one year from last free move—
Main station moved independently $3.00
Main station moved in conjunction with and to same address as switchboard 1.00
Extension station moved independently of main station 3.00
Extension station moved in conjunction with and to same address as main station 1.00
Private branch exchange switchboards—
Inside move during first year or within one year from last free move—

	Same room.	Another room.
Cordless, 10 lines or less	$5.00	$8.00
Cord board, 40 lines or less	10.00	18.00
Cord board, over 40 lines	Estimated cost.	

Outside move during first year or within one year from last free move—
Cordless, 10 lines or less $10.00
Cord board, 40 lines or less 18.00
Cord board, over 40 lines ..... Estimated cost.
No. 1 residence systems: First or subsequent years, estimated cost.

YOUNGSTOWN, OHIO.

NET ANNUAL EXCHANGE RATES OF THE YOUNGSTOWN TELEPHONE CO. IN EFFECT JUNE 30, 1911.

[Company also operates exchanges at Canfield, Lowellville, and Hubbard.]

Individual and party-line service:

	Individual line.	2-party line.[1]	2-party line.	4-party line.	Extension station.
Business	$36.00	$36.00	$30.00	$24.00	$10.00
Residence	24.00	24.00	21.00	18.00	8.00

[1] When 1 number and 2 cable pairs are used.

Rural-line service:
Business $24.00
Residence 18.00
Private branch exchange service:
Trunks 36.00
Stations 10.00
Intercommunicating sets:
Trunks 36.00
Stations 10.00
Directory service:
Listing of extra name 10.00