

Census
V
5065
UN 3
1927
pt. 3
e. 2

1789

U. S. DEPARTMENT OF COMMERCE
R. P. LAMONT, SECRETARY
U.S. BUREAU OF THE CENSUS
" 2 W. M. STEUART, Director

CENSUS OF ELECTRICAL INDUSTRIES,
1
1927;

TELEPHONES,



*Bureau of the Census
Library*

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON: 1930

For sale by the Superintendent of Documents, Washington, D. C. - - - - - Price 10 cents

CONTENTS

Chapter I.—INTRODUCTION

	Page
General description.....	1
Period covered.....	1
Unit of enumeration.....	1
Collection of the data.....	1
Change in classification according to income.....	2
Geographic divisions and States.....	2

TABLES

1. Summary—All systems and lines: 1927.....	3
2. Number of systems and lines, wire mileage, and number of central offices, the Bell System and all other systems and lines, by geographic divisions and States: 1927.....	4
3. Number of telephones, classified as residence and business, the Bell System and all other systems and lines, by geographic divisions and States: 1927.....	6
4. Number of originating calls, the Bell System and all other systems and lines, by geographic divisions and States: 1927.....	8

Chapter II.—DEVELOPMENT OF THE INDUSTRY

Growth during 25 years.....	10
Effect of change in classification according to income.....	11
Comparability of statistics for 1890 and 1902 with those for later years.....	12

TABLES

5. Summary—Systems reporting annual incomes of \$10,000 or more, 1927 and 1922, and those reporting \$5,000 or more, 1890 to 1917.....	11
6. Summary—Systems reporting annual incomes of \$10,000 or more: 1922 and 1917.....	12
7. Summary—All systems reporting incomes of \$5,000 or more; such systems exclusive of the Bell System; and all systems reporting incomes from \$5,000 to \$10,000; with percentages: 1917.....	12
8. Number of systems and lines, grouped according to annual income, by geographic divisions and States: 1912 to 1927.....	13
9. Miles of wire, all systems and lines, by income groups, by geographic divisions and States: 1912 to 1927.....	14
10. Number of telephones, all systems and lines, by income groups, by geographic divisions and States: 1912 to 1927.....	16
11. Per cent of increase or decrease in miles of wire and in number of telephones, all systems and lines, grouped according to annual income, by geographic divisions and States: 5-year and 10-year periods, 1917 to 1927.....	18
12. Per cent distribution, miles of wire and number of telephones, all systems and lines, grouped according to annual income, by geographic divisions and States: 1927, 1922, and 1917.....	20
13. Summary—Telephone and telegraph systems: 1902 to 1927.....	22

Chapter III.—EQUIPMENT AND TRAFFIC

Equipment reported.....	23
Wire mileage.....	23
Telephones.....	23
Central offices.....	23
Number of originating calls.....	24
Exchange and toll calls.....	24
Number of originating calls per telephone per day.....	24
Per capita figures.....	24

TABLES

14. Equipment—Wire mileage, central offices, and telephones, all systems and lines, grouped according to annual income: 1912 to 1927.....	25
15. Miles of wire, overhead and underground, exchange and toll, all systems and lines: 1912 to 1927.....	25
16. Miles of wire, overhead (in cable and not in cable) and underground, exchange and toll, all systems and lines: 1927.....	26
17. Miles of wire, overhead and underground, all systems and lines: 1902 to 1927.....	26

	Page
18. Originating calls, exchange and toll, systems reporting annual incomes of \$10,000 or more, 1922 and 1927, and for those reporting \$5,000 or more, 1902 to 1917.....	26
19. Telephones—Number, by geographic divisions and States, the Bell System and other systems reporting annual incomes of \$10,000 or more, 1927 and 1922, and those reporting \$5,000 or more, 1917.....	27
20. Telephones, originating calls, and calls per telephone per day, by geographic divisions and States, systems reporting annual incomes of \$10,000 or more, 1927 and 1922, and those reporting \$5,000 or more, 1917.....	28
21. Originating calls, exchange and toll, systems reporting annual incomes of \$10,000 or more, by geographic divisions and States: 1927.....	20
22. Telephones—Number per 1,000 population, for all systems and lines, by geographic divisions and States: 1907 to 1927.....	30
23. Originating calls—Number per capita, by geographic divisions, for systems and lines reporting annual incomes of \$10,000 or more, 1927 and 1922, and for those reporting \$5,000 or more, 1902 to 1917.....	30
24. Originating calls—Number per capita, by States, for systems and lines reporting annual incomes of \$10,000 or more, 1927 and 1922, and those reporting \$5,000 or more, 1907 to 1917.....	31

Chapter IV.—COMPARISON OF BELL AND OTHER SYSTEMS; STATISTICS FOR SMALL SYSTEMS AND LINES

Bell-controlled companies.....	32
Effect of change in classification according to income.....	32
Statistics for small systems and lines.....	33

TABLES

25. Systems and lines, miles of wire, and telephones, the Bell System and all other systems and lines: 1902 to 1927.....	33
26. Detailed statistics, the Bell System and other systems reporting annual incomes of \$10,000 or more, 1927 and 1922, and those reporting \$5,000 or more, 1917.....	34
27. Miles of wire, overhead and underground, exchange and toll, the Bell System and all other systems and lines: 1927 and 1922.....	35
28. Miles of wire, exchange and toll, overhead and underground, for the Bell System and other systems reporting annual incomes of \$10,000 or more: 1927.....	35
29. Miles of wire, the Bell System and all other systems and lines, by geographic divisions and States: 1927, 1922, and 1917.....	36
30. Number of telephones, the Bell System and all other systems and lines, by geographic divisions and States: December 31, 1927, 1922, and 1917.....	38
31. Number of central offices, the Bell System and all other systems and lines, grouped according to annual income, by geographic divisions and States: 1912 to 1927.....	41
32. Originating calls, exchange and toll, and number of calls per telephone per day, the Bell System and all other systems and lines, by geographic divisions and States: 1927.....	42
33. Principal statistics, systems and lines reporting annual incomes of less than \$10,000, by geographic divisions and States: 1927.....	44

Chapter V.—FINANCIAL STATISTICS

Character of the statistics.....	46
Increase in salaries and wages.....	46
Operating revenue per telephone and per call.....	46
Employees, salaries, and wages.....	46

TABLES

34. Operating revenues, the Bell System and other systems reporting annual incomes of \$10,000 or more, for 1927 and 1922, and those reporting \$5,000 or more, 1917.....	47
35. Operating revenue per telephone and per originating call, systems reporting annual incomes of \$10,000 or more, 1927 and 1922, and those reporting \$5,000 or more, 1907 to 1917.....	48
36. Employees, salaries, and wages, all systems and lines: 1917 to 1927.....	48