

To: Susan Burgess  
From: Wendell Bartnick  
Date: February 22, 2007  
Re: Analyzing Radio Broadcast Power Levels in Major Cities in 1928

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This memo summarizes data that resides in an accompanying spreadsheet which is inserted below. The memo analyzes data for the largest 56 U.S. cities ("large cities") as well as the cities outside the top 56 ("small cities") with at least one 1000 watt or greater broadcast stations ("high powered stations"). By coincidence, the number of small cities in this data set is also 56.

The FCC did not appear to assign the high powered stations primarily to the largest U.S. cities. First, all large cities combined had about the same number of high powered stations (56) as all small cities combined (58). Even the number of 5000 watt or greater broadcast stations was about the same in each set of cities. Therefore, it was just as likely that a powerful broadcast station existed in a large city as within a small city. However, New York City and Chicago easily had the largest number of high powered stations, especially the really high powered stations, i.e. those above 2500 watts. So while the FCC may have given these cities more high powered stations, taking these outliers out of the data set makes the argument even stronger that the FCC did not favor large cities in general with high powered station assignments.

Second, small cities' power per capita was about 9 times higher than in large cities. In fact, basically every small city had more power per capita than the average power per capita of the large cities. Even New York City and Chicago, which had the most high powered stations had power per capita near the average for large cities. A third interesting metric is that on average small cities had a total power level in their

cities 50% more than large cities. These results again indicate that the FCC did not automatically assign power levels commensurate with the population of the area.

### Data Collection

Data was transcribed from the following two sources:

- Third Annual Report of Federal Radio Commission to Congress in 1929. Appendix G(1) – Assignments on Sept. 1, 1928. Available at <http://www.fcc.gov/fcc-bin/assemble?docno=291101> and a clearer version of Appendix G(1) available at [http://www.eliillinois.org/00001\\_00/pdf/1081157/file10.pdf](http://www.eliillinois.org/00001_00/pdf/1081157/file10.pdf).
- Volume 1 of the 1930 U.S. census. This census data is the nearest to 1928 as the prior census was conducted in 1920. Available at <http://www.census.gov/prod/www/abs/decennial/1930.htm>

### Description of Excel Worksheets

- Worksheet 1 – All Stations
  - Lists all assigned broadcast radio stations in the U.S. including their territories, including: state or territory, city, power, station call-letters, and the city's population in 1930.
- Worksheet 2 – 56 Largest U.S. cities
  - Lists the 56 largest U.S. cities, their populations, the distribution of stations powers, and related computations.
- Worksheet 3 – All Cities Smaller than 56 Largest U.S. cities with at least one assigned broadcast radio station broadcasting with at least 1000 watts.
  - Lists all cities smaller than 56 largest U.S. cities, their populations, the distribution of station powers, and related computations.



1928\_power\_city\_data.xls

To: Susan Burgess  
From: Wendell Bartnick  
Date: February 27, 2007  
Re: Analyzing Radio Broadcast Power Levels in Major Cities in 1928

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This memo summarizes data that resides in an accompanying spreadsheet which is inserted below. The memo analyzes data for the largest 56 U.S. cities (“large cities”) as well as the cities outside the top 56 (“smaller cities”) with at least one 1000 watt or greater broadcast stations (“high powered stations”). By coincidence, the number of small cities in this data set is also 56.

The data seems to indicate that generally the large cities have more stations and more powerful stations. However, generally the number and power-level of stations does not follow directly with population. Beyond the top 11 most populated cities, the stations and their powers are mixed throughout city populations without a clear trend toward highly populated cities getting more high powered stations.

First, all large cities combined had about the same number of high powered stations (59) as all smaller cities combined (58). Even the number of 5000 watt or greater broadcast stations was about the same in each set of cities. Therefore, it was just as likely that a powerful broadcast station existed in a large city as within a smaller city. However, New York City and Chicago easily had the largest number of high powered stations, especially the really high powered stations, i.e. those above 2500 watts. So while the FCC may have given these two cities more high powered stations, taking these outliers out of the data set makes the argument even stronger that the FCC did not match the number and power of stations with city population.

Second, smaller cities’ power per capita was about 9 times higher than in large cities, .09 watts/person in smaller cities compared to .01 watts/person for large cities. In

fact, basically every smaller city had more power per capita than the average power per capita of the large cities. Even New York City and Chicago, which had the most high powered stations had power per capita near the average for large cities. A third interesting metric is that on average smaller cities had a total power level in their cities 50% more than large cities, approximately 2700 watts/smaller city as opposed to 1550 watts/large city. These results again indicate that the FCC did not automatically assign power levels commensurate with the population of the area.

### **Data Collection**

Data was transcribed from the following two sources:

- Third Annual Report of Federal Radio Commission to Congress in 1929. Appendix G(1) – Assignments on Sept. 1, 1928. Available at <http://www.fcc.gov/fcc-bin/assemble?docno=291101> and a clearer version of Appendix G(1) available at [http://www.eliillinois.org/00001\\_00/pdf/1081157/file10.pdf](http://www.eliillinois.org/00001_00/pdf/1081157/file10.pdf).
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### **Description of Excel Worksheets**

- Worksheet 1 – All Assigned Stations
  - Lists all assigned broadcast radio stations in the U.S. including their territories, including: state or territory, city, power, station call-letters, and the city's population in 1930.
- Worksheet 2 – 56 Most Populated U.S. cities
  - Lists the 56 largest U.S. cities, their populations, the distribution of stations powers, and related computations.
- Worksheet 3 – All Cities Less Populated than 56 Most Populated U.S. Cities with at least one assigned broadcast radio station broadcasting with at least 1000 watts.
  - Lists all cities smaller than 56 largest U.S. cities, their populations, the distribution of station powers, and related computations.
- Worksheet 4 – All Cities Smaller than 56 Largest U.S. Cities with No assigned broadcast radio stations broadcasting with at least 1000 watts.
  - Basically includes all the cities not included in Worksheets 2 or 3.
  - Lists those cities, their populations, the distribution of station powers, and related computations.
- Worksheet 5 – Assignments By City

- Includes all of the data from Worksheets 2-4.



1928\_power\_city\_data.xls

To: Clay T. Whitehead; Susan Burgess  
From: Wendell Bartnick  
Date: February 27, 2007  
Re: Analyzing Radio Broadcast Power Levels in Major Cities in 1928

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Identify the question presented by this assignment: Did the allocations have the effect of putting the highest power stations in what were at the time the country's major cities?

Identify the short answer that you'll explain further by your summary: In short,

\_\_\_\_\_.

[Somewhere in the memo we have to explain that we identified "major cities" by the U.S. population data for 1930, two years after the allocation table was articulated.]

This memo summarizes data that resides in an accompanying spreadsheet which is inserted below. The memo analyzes data for the largest 56 [Why 56? Is this arbitrary?] U.S. cities ("large cities") [define "large city"] as well as the cities outside the top 56 ("smaller cities") with at least one 1000 watt or greater broadcast stations ("high powered stations"). By coincidence, the number of small cities in this data set is also 56.

[Actually, 9 stations in worksheet 3 "Other Stations" lack population data – how can you be sure that they're in the small city data set?]

As explained in more detail below, the data seems to indicate that generally the large cities have more stations and more powerful stations. However, generally the number and power-level of stations does not follow directly with [do you mean "correlate with"?] population. Beyond the top 11 most populated cities, the stations and their powers are mixed throughout city populations without a clear trend toward highly populated cities getting more high powered stations. [In a conclusion summary, it's okay not to indicate the data supporting the conclusions as long as you include that data

somewhere in the memo. Since it's not in this paragraph, I expect to find the supporting details in the following paragraphs. But they don't explain the data so I have to flip through the worksheets to see if the data supports what you're saying, which sort of defeats the purpose of a written summary.....]

First, all large cities combined had about the same number of high powered stations (59) as all smaller cities combined (58). Even the number of 5000 watt or greater broadcast stations was about the same in each set of cities. [Conclusory statement – explain what you mean – how many >5000 watt stations went to large cities? Small cities?] Therefore, it was just as likely that a powerful broadcast station existed in a large city as within a smaller city. [Not true. There may have been **just as many** high powered stations in large as in small cities, but it was **more likely** that a powerful broadcast station existed in a large city: of the 56 large cities, 31 had high powered stations whereas of 314 small cities, 47 had high-powered stations. That's a 55% likelihood of a high powered station coming to a large city versus a 15% likelihood.] However, New York City and Chicago easily had the largest number of high powered stations, especially the really high powered stations, i.e. those above 2500 watts. [First, why do New York and Chicago matter? Were these the two most populated cities at the time? Second, how many “really high powered” stations did they have as compared to the other cities? Until I see the supporting data, I question the accuracy of your conclusion. Third, isn't the data about New York and Chicago indicative that the country's major cities got the highest powered stations? What data contradicts that conclusion?] So while the FCC may have given these two cities more high powered stations, taking these outliers out of the data set makes the argument even stronger that

the FCC did not match the number and power of stations with city population. [Why? What data supports this?]

Second, smaller cities' power per capita was about 9 times higher than in large cities, .09 watts/person in smaller cities compared to .01 watts/person for large cities. In fact, basically every smaller city had more power per capita than the average power per capita of the large cities. Even New York City and Chicago, which had the most high powered stations had power per capita near the average for large cities. A third interesting metric is that on average smaller cities had a total power level in their cities 50% more than large cities, approximately 2700 watts/smaller city as opposed to 1550 watts/large city. These results again indicate that the FCC did not automatically assign power levels commensurate with the population of the area.

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- Lists all cities smaller than 56 largest U.S. cities, their populations, the distribution of station powers, and related computations.
- Worksheet 4 – All Cities Smaller than 56 Largest U.S. Cities with No assigned broadcast radio stations broadcasting with at least 1000 watts.
  - Basically includes all the cities not included in Worksheets 2 or 3.
  - Lists those cities, their populations, the distribution of station powers, and related computations.
- Worksheet 5 – Assignments By City
  - Includes all of the data from Worksheets 2-4.



1928\_power\_city\_data.xls

All Station Assignments Sept. 1, 1928.

State	City	Station	Power	Shared	1930 Population
AL	Auburn	WAPI	1000	Y	2800
AL	Birmingham	WBRC	250		259678
AL	Birmingham	WKBC	10		259678
AL	Gadsden	WJBY	50		24042
AL	Montgomery	WIBZ	15		66079
AK	Anchorage	KFQD	100		2277
AK	Juneau	KFIU	10		4043
AK	Ketchikan	KGBU	500		3796
AZ	Flagstaff	KFXV	100		3891
AZ	Phoenix	KFAD	500		48118
AZ	Phoenix	KFCB	125		48118
AZ	Tucson	KGAR	100		32506
AZ	Prescott	KPJM	15		5517
AR	Blytheville	KLCN	50		10098
AR	Fayetteville	KUOA	1000		7394
AR	Hot Springs	KTHS	1000	Y	20238
AR	Little Rock	KLRA	50		81679
AR	Little Rock	KGHI	15		81679
AR	Little Rock	KGJF	250		81679
AR	McGahee	KGHG	50		3488
AR	Sulphur Springs	KFPW	50		404
CA	Avalon	KFWO	250		1897
CA	Berkeley	KRE	100	Y	82109
CA	Beverly Hills	KEJK	250	Y	17429
CA	Burbank	KELW	500		16662
CA	Culver City	KFVD	250	Y	5669
CA	El Centro	KGEN	100		8434
CA	Fresno	KMJ	50		52513
CA	Glendale	KGFH	250	Y	62736
CA	Hayward	KZM	100	Y	5530
CA	Hollywood	KFQZ	250		
CA	Hollywood	KFWB	1000		
CA	Hollywood	KNX	500		
CA	Hollywood	KMTR	500		
CA	Holy City	KFQU	100	Y	
CA	Inglewood	KMIC	250		19480
CA	Long Beach	KGER	100	Y	142032
CA	Long Beach	KFON	1000		142032
CA	Los Angeles	KFI	500		1238048
CA	Los Angeles	KFSG	500	Y	1238048
CA	Los Angeles	KGEF	1000	Y	1238048
CA	Los Angeles	KGFJ	100		1238048
CA	Los Angeles	KHJ	1000		1238048
CA	Los Angeles	KTBI	1000	Y	1238048
CA	Los Angeles	KPLA	500		1238048
CA	Oakland	KLX	500		284063
CA	Oakland	KGO	5000		284063
CA	Oakland	KTAB	500		284063
CA	Oakland	KFWM	500		284063
CA	Oakland	KLS	250	Y	284063
CA	Ontario	KFWC	100	Y	13583

All Station Assignments Sept. 1, 1928.

State	City	Station	Power	Shared	1930 Population
CA	Pasadena	KPPC	50	Y	76086
CA	Pasedena	KPSN	1000	Y	76086
CA	San Diego	KFSD	500		147995
CA	San Diego	KGB	100	Y	147995
CA	San Francisco	KFRC	1000		634394
CA	San Francisco	KGTT	50	Y	634394
CA	San Francisco	KFWI	500		634394
CA	San Francisco	KJBS	100	Y	634394
CA	San Francisco	KPO	1000		634394
CA	San Francisco	KYA	1000		634394
CA	Sacramento	KFBK	100	Y	93750
CA	San Jose	KQW	500		57651
CA	Santa Ana	KWTC	100	Y	30322
CA	Santa Barbara	KFCR	100		33613
CA	Santa Maria	KSMR	100	Y	7057
CA	Santa Monica	KNRC	500		37146
CA	Stockton	KWG	100		47963
CA	Stockton	KGDM	10		47963
CO	Colorado Springs	KFUM	1000	Y	33237
CO	Denver	KPOF	500		287861
CO	Denver	KOW	250	Y	287861
CO	Denver	KFUP	100	Y	287861
CO	Denver	KFEL	250	Y	287861
CO	Edgewater	KFXJ	50	Y	1473
CO	Fort Morgan	KGEW	100	Y	4423
CO	Greeley	KFKA	500	Y	12203
CO	Gunnison	KFHA	50	Y	1415
CO	Denver	KFXF	250		287861
CO	Denver	KOA	5000		287861
CO	Dupont	KLZ	1000		
CO	Pueblo	KGDP	10		50096
CO	Pueblo	KGHF	250	Y	50096
CO	Yuma	KGEK	50		1360
CT	Easton	WICC	500		1013
CT	Hartford	WTIC	500	Y	164072
CT	New Haven	WDRC	500		162655
CT	Mansfield	WCAC	500	Y	3349
DE	Wilmington	WDEL	250		106597
DC	Washington	WRHF	150		486869
DC	Washington	WMAL	500		486869
DC	Washington	WRC	500		486869
FL	Clearwater	WFLA	750		7607
FL	Gainesville	WRUF	5000	Y	10465
FL	Jacksonville	WJAX	1000	Y	129549
FL	Lakeland	WMBL	100		18554
FL	Miami	WQAM	750	Y	110637
FL	Miami Beach	WMBF	500	Y	6494
FL	Miami Beach	WIOD	1000		6494
FL	Orlando	WDBO	500		27330
FL	Pensacola	WCOA	500		31579
FL	Sarasota	WJBB	250		8398

All Station Assignments Sept. 1, 1928.

State	City	Station	Power	Shared	1930 Population
FL	Tampa	WDAE	500		101161
FL	Tampa	WMBR	100		101161
GA	Atlanta	WGST	500	Y	360691
GA	Atlanta	WSB	1000		360691
GA	Atlanta	WTHS	200		360691
GA	Macon	WMAZ	500	Y	64045
GA	Columbus	WRBL	50		43131
GA	Tifton	WRBI	20		3390
GA	Toccoa	WTFI	500		4602
HI	Honolulu	KGU	500		137582
HI	Honolulu	KGHB	250		137582
ID	Boise City	KFAU	2000		21544
ID	Jerome	KFXD	15		1976
ID	Kellogg	KFEY	10		4124
ID	Pocatello	KSEI	250		16471
IL	Chicago	WMAQ	5000	Y	3376438
IL	Chicago	WMBI	5000	Y	3376438
IL	Batavia	WORD	5000		5045
IL	Carthage	WCAZ	50		2240
IL	Chicago	KFKX	2500		3376438
IL	Chicago	WAAF	500	Y	3376438
IL	Chicago	WCFL	1500	Y	3376438
IL	Chicago	WEDC	100	Y	3376438
IL	Chicago	WENR	5000		3376438
IL	Chicago	WGES	500	Y	3376438
IL	Chicago	WHFC	100	Y	3376438
IL	Chicago	WKBI	50	Y	3376438
IL	Chicago	WPCC	500	Y	3376438
IL	Chicago	WSBC	100	Y	3376438
IL	Crete	WLS	5000	Y	1429
IL	Decatur	WBAO	100		57510
IL	Decatur	WJBL	250		57510
IL	Desplaines	WIBO	5000	Y	8798
IL	Chicago	WGN	15000		3376438
IL	Chicago	WCRW	100	Y	3376438
IL	Evanston	WEHS	100	Y	63338
IL	Galesburg	WKBS	100	Y	28830
IL	Galesburg	WLBO	100	Y	28830
IL	Chicago	WBBM	5000	Y	3376438
IL	Harrisburg	WEBQ	15		11625
IL	Joliet	WCLS	150	Y	42993
IL	Joliet	WKBB	150	Y	42993
IL	La Salle	WJBC	100	Y	13149
IL	Mooseheart	WJJD	5000	Y	
IL	Mount Prospect	WJAZ	5000	Y	1225
IL	Peoria Heights	WMBD	250		3279
IL	Quincy	WTAD	500		39241
IL	Rockford	KFLV	100		85864
IL	Rock Island	WHBF	100		37953
IL	Springfield	WCBS	250		71864
IL	Streator	WTAX	50		14728

All Station Assignments Sept. 1, 1928.

State	City	Station	Power	Shared	1930 Population
IL	Deerfield	WHT	5000	Y	1852
IL	Tuscola	WDZ	100		2569
IL	Urbana	WRM	1000	Y	13060
IL	Zion	WCBD	5000	Y	5991
IN	Anderson	WHBU	15		39804
IN	Culver	WCMA	500	Y	1502
IN	Evansville	WGBF	250		102249
IN	Fort Wayne	WCWK	100		114946
IN	Fort Wayne	WOWO	5000		114946
IN	Gary	WJKS	500	Y	100426
IN	Hammond	WWAE	500	Y	64560
IN	Indianapolis	WFBM	1000	Y	364161
IN	Indianapolis	WKBF	250		364161
IN	Kokomo	WJAK	50		32843
IN	Lafayette	WBAA	500	Y	26240
IN	La Porte	WRAF	100		15755
IN	Muncie	WLBC	50		46548
IN	South Bend	WSBT	500	Y	104193
IN	Terre Haute	WBOW	100		62810
IN	Valparaiso	WRBC	250		8079
IN	Brookville	WKBV	100		2148
IA	Ames	WOI	5000		10261
IA	Boone	KFGQ	10		11886
IA	Cedar Rapids	KWCR	100	Y	56097
IA	Clarinda	KSO	500		4962
IA	Council Bluffs	KOIL	5000	Y	42048
IA	Davenport	WOC	5000		60751
IA	Decorah	KGCA	10	Y	4581
IA	Decorah	KWLC	50	Y	4581
IA	Des Moines	WHO	5000		142559
IA	Fort Dodge	KFJY	100		21895
IA	Iowa City	WSUI	500		15340
IA	Marshalltown	KFJB	250		17373
IA	Muscatine	KTNT	2000		16778
IA	Ottumwa	WIAS	100	Y	28075
IA	Red Oak	KICK	100	Y	5778
IA	Shenandoah	KFNF	2000		6502
IA	Shenandoah	KMA	1000	Y	6502
IA	Sioux City	KSCJ	1000		79183
IA	Waterloo	WJAM	250	Y	46191
KS	Concordia	WGCM	50		5792
KS	Kansas City	WLBF	50		121857
KS	Lawrence	KFKU	500	Y	13726
KS	Lawrence	WREN	750	Y	13726
KS	Manhattan	KSAC	500		10136
KS	Milford	KFKB	2500		300
KS	Topeka	WIBW	250		64120
KS	Wichita	KFH	500		111110
KY	Hopkinsville	WFIW	1000		10746
KY	Louisville	WHAS	500		307745
KY	Okalona	WLAP	30		

All Station Assignments Sept. 1, 1928.

State	City	Station	Power	Shared	1930 Population
LA	Cedar Grove	WGGH	50	Y	
LA	Kennonwood	KWKH	3500	Y	
LA	New Orleans	WDSU	250		458762
LA	New Orleans	WABZ	50	Y	458762
LA	New Orleans	WJBO	100		458762
LA	New Orleans	WJBW	30	Y	458762
LA	New Orleans	WKBT	50		458762
LA	New Orleans	WSMB	750		458762
LA	New Orleans	WWL	500		458762
LA	Shreveport	KFDX	250		76655
LA	Shreveport	KRMD	50		76655
LA	Shreveport	KWEA	250	Y	76655
LA	Shreveport	KSBA	1000		76655
ME	Bangor	WABI	100		28749
ME	Dover-Foxcroft	WLBZ	250		
ME	Portland	WCSH	500		70810
MD	Baltimore	WCAO	250	Y	804874
MD	Baltimore	WCBM	100		804874
MD	Baltimore	WFBR	250	Y	804874
MD	Baltimore	WBAL	5000		804874
MD	Sallsbury	WSMD	100		10997
MA	Boston	WBZA	500		781188
MA	Boston	WBIS	500		781188
MA	Boston	WEEL	500		781188
MA	Boston	WMES	50	Y	781188
MA	Boston	WSSH	100	Y	781188
MA	Chelsea	WLOE	100	Y	45816
MA	South Dartmouth	WMAF	500		8778
MA	Fall River	WSAR	250		115274
MA	Gloucester	WEPS	100		24204
MA	Lexington	WLEX	15		9467
MA	Boston	WBET	500	Y	781188
MA	New Bedford	WNBH	250		112597
MA	Springfield	WBZ	15000		149900
MA	Webster	WKBE	100		12992
MA	Wellesley Hills	WBSO	100		11439
MA	Worcester	WTAG	250		195311
MI	Battle Creek	WKBP	50		43573
MI	Bay City	WSKC	250	Y	47355
MI	Berrien Springs	WEMC	1000	Y	1413
MI	Detroit	WWJ	1000		1568662
MI	Detroit	WMBC	100		1568662
MI	Detroit	WBMH	100		1568662
MI	Detroit	WAFD	100		1568662
MI	East Lansing	WKAR	500	Y	4389
MI	Flint	WFDF	100	Y	156492
MI	Fraser	WGHP	750	Y	600
MI	Grand Rapids	WOOD	500	Y	168592
MI	Grand Rapids	WASH	250		168592
MI	Jackson	WIBM	100		55187
MI	Lapeer	WMPC	30		5008

All Station Assignments Sept. 1, 1928.

State	City	Station	Power	Shared	1930 Population
MI	Ludington	WKBZ	15		8898
MI	Pontiac	WJR	5000		64928
MI	Royal Oak	WAGM	50		22904
MI	Ypsilanti	WJBK	15		10143
MN	Barrett	KGDE	50		368
MN	Collegeville	WFBJ	100		
MN	Fridley	WBHM	1000		
MN	Hallock	KGFK	50		869
MN	Minneapolis	WDGY	500	Y	464356
MN	Minneapolis	WHDI	500	Y	464356
MN	Minneapolis	WLB	500	Y	464356
MN	Minneapolis	WCCO	5000		464356
MN	Northfield	KFMX	500		4153
MN	Northfield	WCAL	500	Y	4153
MN	Westcott	KSTP	5000		
MS	Columbus	WCOC	500		10743
MS	Greenville	WRBQ	100		14807
MS	Gulfport	WGCM	15		12547
MS	Hattiesburg	WRBJ	10		18601
MS	Utica	WQBC	225		652
MO	Cape Girardeau	KFVS	50		16227
MO	Columbia	KFRU	500		14967
MO	Independence	KMBC	1500		15296
MO	Jefferson City	WOS	500		21596
MO	Joplin	WMBH	100		33454
MO	Kansas City	KWKC	100		399746
MO	Kansas City	WDAF	1000		399746
MO	Kansas City	WHB	500	Y	399746
MO	Kansas City	WOQ	500	Y	399746
MO	Kirksville	KFKZ	15		8293
MO	St. Joseph	KFEQ	1000		80935
MO	St. Louis	KFUO	1000	Y	821960
MO	St. Joseph	KGBX	100		80935
MO	St. Louis	KMOX	5000		821960
MO	St. Louis	KWK	1000	Y	821960
MO	St. Louis	KFWF	100		821960
MO	St. Louis	KSD	500	Y	821960
MO	St. Louis	WEW	1000		821960
MO	St. Louis	WIL	250		821960
MO	St. Louis	WMAY	100	Y	821960
MT	Billings	KGHL	250		16380
MT	Havre	KFBB	50		6372
MT	Kalispell	KGEZ	100		6094
MT	Missoula	KUOM	500		14657
MT	Missoula	KGHD	5		14657
MT	Vida	KGCX	10		
NE	Clay Center	KMMJ	250	Y	933
NE	Lincoln	KFOR	100		75933
NE	Lincoln	KFAB	5000	Y	75933
NE	Lincoln	WCAJ	500		75933
NE	Norfolk	WJAG	250	Y	10717

All Station Assignments Sept. 1, 1928.

State	City	Station	Power	Shared	1930 Population
NE	Omaha	WAAW	500		214006
NE	Omaha	WOWO	1000		214006
NE	Ravenna	KGFW	10		1550
NE	York	KGBZ	100		5712
NH	Laconia	WKAV	50		12471
NH	Tilton	WBRL	500		1712
NJ	Asbury Park	WCAP	500	Y	14981
NJ	Atlantic City	WPG	5000		66198
NJ	Camden	WCAM	500	Y	118700
NJ	Elizabeth	WIBS	250	Y	114589
NJ	Jersey City	WAAT	300	Y	316715
NJ	Jersey City	WKBO	250	Y	316715
NJ	Newark	WOR	5000		442337
NJ	Newark	WAAM	250	Y	442337
NJ	Newark	WGCP	250	Y	442337
NJ	Newark	WNJ	250	Y	442337
NJ	Paterson	WODA	1000	Y	138513
NJ	Red Bank	WJBI	100	Y	11622
NJ	Trenton	WOAX	500	Y	123356
NJ	Union City	WBMS	100	Y	58659
NM	State College/Las Cruces	KOB	5000	Y	5811
NM	Raton	KGFL	50		6090
NM	Albuquerque	KGGM	100		26570
NY	Buffalo	WKBW	5000		573076
NY	Astoria	WGBS	500	Y	
NY	Auburn	WMBO	100		36652
NY	Bay Shore	WINR	150	Y	
NY	Bellmore	WEAF	50000		
NY	Brooklyn	WBBC	500	Y	1265258
NY	Brooklyn	WLTH	250	Y	1265258
NY	Brooklyn	WMBQ	100	Y	1265258
NY	Brooklyn	WSGH	500	Y	1265258
NY	Buffalo	WEBR	200		573076
NY	Buffalo	WGR	750		573076
NY	Buffalo	WKEN	750	Y	573076
NY	Buffalo	WSVS	50	Y	573076
NY	Canton	WCAD	500		2822
NY	Cazenovia	WMAC	500		1788
NY	Coney Island	WCGU	500	Y	
NY	Endicott	WNBF	50		16231
NY	Farmingdale	WLBH	30		3373
NY	Freeport	WGBB	150	Y	15467
NY	Greenville	WCOH	250	Y	
NY	Ithaca	WLCI	50		20708
NY	Jamaica	WMRJ	10	Y	460
NY	Jamestown	WOCL	25		45155
NY	Long Beach	WCLB	100	Y	5817
NY	Long Island City	WLBX	250	Y	
NY	Martinsville	WMAK	750		
NY	Peekskill	WOKO	500		17125



All Station Assignments Sept. 1, 1928.

State	City	Station	Power	Shared	1930 Population
NY	New York	WBNY	500	Y	6930446
NY	New York	WHN	500	Y	6930446
NY	New York	WKBQ	250	Y	6930446
NY	New York	WNYC	500		6930446
NY	New York	WMSG	500	Y	6930446
NY	New York	WABC	2500	Y	6930446
NY	Rochester	WHEC	250		328132
NY	Rochester	WNBQ	15		328132
NY	Rossville	WBBR	1000	Y	
NY	Saranac Lake	WNBZ	10		8020
NY	Schenectady	WGY	50000		95692
NY	Syracuse	WFBL	750		209326
NY	Syracuse	WSYR	500		209326
NY	Troy	WHAZ	500		72763
NY	Utica	WIBX	150		101740
NY	Rochester	WHAM	5000		328132
NY	Woodhaven	WEVD	500	Y	
NY	Woodside	WWRL	100	Y	
NY	New York	WCDA	250	Y	6930446
NY	New York	WHAP	1000	Y	6930446
NY	New York	WPAP	500	Y	6930446
NY	New York	WRNY	500	Y	6930446
NY	New York	WHPP	10	Y	6930446
NY	New York	WPCH	500	Y	6930446
NY	New York	WLWL	5000	Y	6930446
NY	New York	WOV	1000	Y	6930446
NY	New York	WJZ	30000		6930446
NY	New York	WMCA	500	Y	6930446
NC	Asheville	WWNC	1000		50193
NC	Charlotte	WBT	1000		82675
NC	Gastonia	WRBU	50		17093
NC	Greensboro	WNRC	500		53569
NC	Raleigh	WPTF	1000		37379
NC	Wilmington	WRBT	50		32270
ND	Bismarck	KFYR	250		11090
ND	Devils Lake	KDLR	15		5451
ND	Fargo	WDAY	250	Y	28610
ND	Grand Forks	KFJM	100		17112
ND	Mandan	KGCU	100		5037
OH	Akron	WADC	1000		255040
OH	Akron	WFJC	500	Y	255040
OH	Bellefontaine	WHBD	10		9543
OH	Cambridge	WEBE	10		16129
OH	Canton	WHBC	10		104906
OH	Cincinnati	WAAD	25		451160
OH	Cincinnati	WKRC	500	Y	451160
OH	Cincinnati	WFBE	250	Y	451160
OH	Cleveland	WJAY	500	Y	900429
OH	Cleveland	WHK	500		900429
OH	Cleveland	WTAM	3500	Y	900429
OH	Cleveland	WEAR	1000	Y	900429

All Station Assignments Sept. 1, 1928.

State	City	Station	Power	Shared	1930 Population
OH	Columbus	WAIU	5000	Y	290564
OH	Columbus	WCAH	250	Y	290564
OH	Columbus	WEAO	750	Y	290564
OH	Columbus	WSMAN	50	Y	290564
OH	Dayton	WSMK	200		200982
OH	Hamilton	WRK	100		52176
OH	Harrison	WLW	5000		1449
OH	Mansfield	WLBV	50		33525
OH	Mason	WSAI	5000		854
OH	Middletown	WSRO	100		29992
OH	Springfield	WCOS	500		68743
OH	Steubenville	WIBR	50		35422
OH	Toledo	WSPD	250		290718
OH	Youngstown	WKBN	50	Y	170002
OK	Alva	KGFF	25		5121
OK	Chickasha	KOCW	250		14099
OK	Enid	KGCB	50	Y	26399
OK	Norman	WNAD	500		9603
OK	Oklahoma City	KFJF	1000		185389
OK	Oklahoma City	KFXR	50		185389
OK	Oklahoma City	KGFG	50	Y	185389
OK	Oklahoma City	WKY	150		185389
OK	Picher	KGGF	100		7773
OK	Ponca City	WBBZ	100		16136
OK	Tulsa	KVOO	1000		141258
OR	Astoria	KFJI	50	Y	10349
OR	Corvallis	KOAC	500	Y	7585
OR	Eugene	KORE	50	Y	18901
OR	Medford	KMED	50	Y	11007
OR	Portland	KEX	2500		301815
OR	Portland	KFEC	50		301815
OR	Portland	KFIF	50	Y	301815
OR	Portland	KFJR	500		301815
OR	Portland	KTBR	500	Y	301815
OR	Portland	KGW	1000		301815
OR	Portland	KWBS	15	Y	301815
OR	Portland	KWJJ	50	Y	301815
OR	Portland	KXL	250		301815
OR	Portland	KOIN	1000		301815
PA	Allentown	WCBA	100	Y	92563
PA	Allentown	WSAN	100	Y	92563
PA	Altoona	WFBG	100		82054
PA	Carbondale	WNBW	5		20061
PA	Elkins Park	WIBG	50		
PA	Erie	WEDH	30		115967
PA	Erie	WRAK	30		115967
PA	Frankford	WFKD	50	Y	
PA	Grove City	WSAJ	250		6156
PA	Harrisburg	WBAK	500	Y	80330
PA	Harrisburg	WPRC	100		80330
PA	Johnstown	WHBP	250		66993

All Station Assignments Sept. 1, 1928.

State	City	Station	Power	Shared	1930 Population
PA	Kingston	WABF	250		21600
PA	Lancaster	WGAL	15	Y	59949
PA	Lancaster	WKJC	50	Y	59949
PA	Lamoyne	WMBS	250		
PA	Lewisburg	WJBU	100		3308
PA	Oil City	WLBW	500		22075
PA	Philadelphia	WFAN	500	Y	1950961
PA	Philadelphia	WABY	50	Y	1950961
PA	Philadelphia	WFI	500	Y	1950961
PA	Philadelphia	WCAU	1000		1950961
PA	Philadelphia	WHBW	100		1950961
PA	Philadelphia	WIAD	100	Y	1950961
PA	Philadelphia	WIP	500	Y	1950961
PA	Philadelphia	WLIT	500	Y	1950961
PA	Philadelphia	WNAT	100	Y	1950961
PA	Philadelphia	WOO	500	Y	1950961
PA	Philadelphia	WRAX	250		1950961
PA	Pittsburgh	KQV	500	Y	669817
PA	Pittsburgh	WCAE	500		669817
PA	Pittsburgh	WJAS	500	Y	669817
PA	Pittsburgh	KDKA	50000		669817
PA	Reading	WRAW	100		111171
PA	Scranton	WGBI	250	Y	143433
PA	Scranton	WQAN	250	Y	143433
PA	Philadelphia	WPSW	50		1950961
PA	State College	WPSC	500	Y	4450
PA	Washington	WNBO	15		24545
PA	Wilkes-Barre	WBAX	100	Y	86620
PA	Willow Grove	WALK	50		
PA	Wilkes-Barre	WBRE	100	Y	86620
PR	San Juan	WKAQ	500		114715
RI	Cranston	WDWF	250		42911
RI	Newport	WMBA	100		27612
RI	Pawtucket	WFCI	100	Y	77149
RI	Providence	WEAN	500		252981
RI	Providence	WJAR	500		252981
SC	Charleston	WBBY	75		62265
SC	Columbia	WRBW	15		51581
SD	Brookings	KFDY	500	Y	4376
SD	Brookings	KGCR	15		4376
SD	Dell Rapids	KGDA	15		1657
SD	Oldham	KGDY	15		410
SD	Pierre	KGFX	200		3659
SD	Sioux Falls	KSOO	250		33362
SD	Vermillion	KUSD	250		2850
SD	Rapid City	WCAT	100		10404
SD	Yankton	WNAX	1000		6072
TN	Knoxville	WFBC	50		105802
TN	Knoxville	WNBJ	50		105802
TN	Knoxville	WNOX	1000		105802
TN	Lawrenceburg	WOAN	500	Y	3102

All Station Assignments Sept. 1, 1928.

State	City	Station	Power	Shared	1930 Population
TN	Memphis	WGBC	15	Y	253143
TN	Memphis	WHBQ	100		253143
TN	Memphis	WMBM	10		253143
TN	Memphis	WMCA	500		253143
TN	Memphis	WNBR	100	Y	253143
TN	Nashville	WBAW	5000	Y	153866
TN	Nashville	WLAC	1000		153866
TN	Nashville	WSM	5000		153866
TN	Springfield	WSIX	150	Y	5577
TN	Union City	WOBT	15		5865
TN	Whitehaven	WREC	500	Y	
TN	Chattanooga	WDOD	500		119798
TX	Amarillo	KGRS	500		43132
TX	Amarillo	WDAG	250		43132
TX	Austin	KUT	500		53120
TX	Beaumont	KFDM	500	Y	57732
TX	Breckenridge	KFYO	100		7589
TX	Brownsville	KWWG	500		22021
TX	College Station	WTAW	500	Y	
TX	Dallas	KRLD	500	Y	260475
TX	Dallas	WFAA	500		260475
TX	Dallas	WRR	500	Y	260475
TX	Dublin	KFPL	15		2271
TX	El Paso	WDAH	100		102421
TX	Fort Worth	KFJZ	50		163447
TX	Fort Worth	WBAP	5000	Y	163447
TX	Fort Worth	KFQB	1000	Y	163447
TX	Galveston	KFLX	100		52938
TX	Galveston	KFUL	500		52938
TX	Georgetown	KGKL	100		3583
TX	Goldthwaite	KGKB	50		1324
TX	Greenville	KFPM	15		12407
TX	Harlingen	KRGV	100		12124
TX	Houston	KPRC	500		292352
TX	Houston	KTUE	5		292352
TX	Richmond	KGHX	50		1432
TX	San Angelo	KGFI	15		25308
TX	San Antonio	KGCI	250	Y	231542
TX	San Antonio	KGDR	15		231542
TX	San Antonio	KGRC	100	Y	231542
TX	San Antonio	KTSA	2000		231542
TX	San Antonio	KTAP	20		231542
TX	San Antonio	WOAI	5000		231542
TX	Waco	WJAD	500	Y	52848
TX	Wichita Falls	KGKO	250		43690
UT	Ogden	KFUR	50		40272
UT	Salt Lake City	KDYL	100		140267
UT	Salt Lake City	KSL	1000		140267
VT	Burlington	WCAX	100		24789
VT	Springfield	WNBX	10		4943
VA	Richmond	WTAZ	15	Y	182929

All Station Assignments Sept. 1, 1928.

State	City	Station	Power	Shared	1930 Population
VA	Newport News	WNEW	100		34417
VA	Mount Vernon Hills	WTFF	10000	Y	
VA	Norfolk	WTAR	500	Y	129710
VA	Norfolk	WBBW	100	Y	129710
VA	Petersburg	WLBG	100		28564
VA	Richmond	WRVA	1000		182929
VA	Richmond	WMBG	15	Y	182929
VA	Richmond	WBBL	100		182929
VA	Roanoke	WRBX	250		69296
VA	Roanoke	WDBJ	250		69296
VA	Portsmouth	WSEA	500		45704
WA	Aberdeen	KXRO	50	Y	21723
WA	Bellingham	KVOS	250		30823
WA	Everett	KFBL	50	Y	30567
WA	Lacey	KGY	50	Y	
WA	Longview	KUJ	10	Y	10652
WA	Pullman	KWSC	500	Y	3322
WA	Seattle	KFOA	1000		365583
WA	Seattle	KFQW	100		365583
WA	Seattle	KPQ	100	Y	365583
WA	Seattle	KVL	100	Y	365583
WA	Seattle	KJR	2500		365583
WA	Seattle	KKP	15	Y	365583
WA	Seattle	KOMO	1000		365583
WA	Seattle	KPCB	100	Y	365583
WA	Seattle	KRSC	50	Y	365583
WA	Seattle	KTW	1000	Y	365583
WA	Seattle	KXX	500		365583
WA	Spokane	KFIO	100	Y	115514
WA	Spokane	KFPY	250	Y	115514
WA	Spokane	KGA	2000		115514
WA	Tacoma	KMO	500		106817
WA	Tacoma	KVI	250		106817
WA	Spokane	KHQ	1000		115514
WV	Charleston	WOBU	250		60408
WV	Clarksburg	WQBJ	65		28866
WV	Weirton	WQBZ	60		
WV	Huntington	WSAZ	100		75572
WV	Wheeling	WWVA	250		61659
WI	Beloit	WEBW	500		23611
WI	Brookfield	WTMJ	1000		
WI	Eau Claire	WTAQ	500		26287
WI	Fond du Lac	KFIZ	100		26449
WI	Kenosha	WCIO	100	Y	50262
WI	La Crosse	WKBH	500		30614
WI	Madison	WIBA	100		57899
WI	Madison	WHA	750	Y	57899
WI	Manitowoc	WOMT	100		22963
WI	Milwaukee	WHAD	500	Y	578249
WI	Milwaukee	WISN	250	Y	578249
WI	Poynette	WIBU	20		672

All Station Assignments Sept. 1, 1928.

State	City	Station	Power	Shared	1930 Population
WI	Racine	WRJN	50		67542
WI	Sheboygan	WHBL	250		39251
WI	Superior	WEBC	250		36113
WI	Stevens Point	WLBL	1000	Y	13623
WI	West De Pere	WHBY	50		
WY	Laramie	KFBU	500	Y	8609

Population	City	Total Stations	Total Stations >= 1000 wts.	Total Power	Avg. Power/Station	Power/Capita	Power = 50000	Power = 30000	Power = 15000	Power = 5000	Power = 3500	Power = 2500	Power = 2000	Power = 1500	Power = 1000	Power = 750	Power = 500	Power = 300	Power = 250	Power = 200	Power = 150	Power = 100	Power = 50	Power = 30	Power = 25	Power = 20	Power = 15	Power = 10	Power = 5
6930446	NY (and Brooklyn, Belmore)	21	6	95360	4541	0.01376	1	1				1			2		10		3			1						1	
3376438	Chicago	15	7	40950	2730	0.01213			1	4			1				3					4	1						
1950961	Philadelphia	12	1	4150	346	0.02113											5		1			3	2						
1568662	Detroit	4	1	1300	325	0.00083										1							3						
1238048	Los Angeles	7	3	4600	657	0.00372										3							1						
900429	Cleveland	4	2	5500	1375	0.00611					1				1		2												
821960	St. Louis	8	4	8950	1119	0.01089				1					3		1		1			2							
804874	Baltimore	4	1	5600	1400	0.00696					1								2				1	1					
781188	Boston	6	0	2150	358	0.00275											4						1	1					
669817	Pittsburgh	4	1	51500	12875	0.07689	1										3												
634394	San Francisco	6	3	3050	608	0.00575									3		1						1	1					
578249	Milwaukee	2	0	750	375	0.00130													1		1								
573076	Buffalo	5	1	6750	1350	0.01178					1					2						1			1				
488669	Washington DC	3	0	1150	383	0.00236											2					1							
464356	Minneapolis	4	1	6500	1625	0.01400					1						3												
458762	New Orleans	7	0	1730	247	0.00377								1	1				1				1	2	1				
451160	Cincinnati	3	0	775	258	0.00172											1									1			
442337	Newark, NJ	4	1	5750	1438	0.01300					1								3										
399746	Kansas City	4	1	2100	525	0.00525									1		2						1						
365583	Seattle	11	4	6465	588	0.01768							1		3		1						4	1				1	
364161	Indianapolis	2	1	1250	625	0.00343													1										
328132	Rochester	3	1	5265	1755	0.01605					1											1						1	
316715	Jersey City, NJ	2	0	550	275	0.00174												1	1										
307745	Louisville	1	0	500	500	0.00162											1												
301815	Portland	10	3	5915	592	0.01960						1			2		2		1				3					1	
292352	Houston	2	0	505	253	0.00173											1												
290718	Toledo	1	0	250	250	0.00086													1										
290564	Columbus	4	1	6050	1513	0.02082					1						1					1		1					
287881	Denver	6	1	6350	1058	0.02206					1						1		3				1						
284063	Oakland	5	1	6750	1350	0.02378					1								3		1								
271606	St. Paul	0	0	0	0	0.00000																							
260691	Atlanta	3	1	1700	567	0.00471									1		1				1								
260475	Dallas	3	0	1500	500	0.00576												3											
259678	Birmingham	2	0	260	130	0.00100													1									1	
255040	Akron	2	1	1500	750	0.00588									1		1												
253143	Memphis	5	0	725	145	0.00286																	2				1	1	
252981	Providence	2	0	1000	500	0.00395												2											
231542	San Antonio	6	2	7385	1231	0.03189					1									1			1			1	1		
214006	Omaha	2	1	1500	750	0.00701									1		1												
209326	Syracuse	2	0	1250	625	0.00597										1	1												
200982	Dayton	1	0	200	200	0.00100																1							
195311	Worcester, MA	1	0	250	250	0.00128															1								
185389	Oklahoma City	4	1	1250	313	0.00674									1								1	2					
182929	Richmond	4	1	1130	283	0.00618									1								1					2	
170002	Youngstown, OH	1	0	50	50	0.00029																		1					
168592	Grand Rapids	2	0	750	375	0.00445												1		1									
164072	Hartford	1	0	500	500	0.00305																							
163447	Fort Worth	3	2	6050	2017	0.03702									1									1					
162655	New Haven	1	0	500	500	0.00307											1												
156492	Flint	1	0	100	100	0.00064																		1					
153866	Nashville	3	3	11000	3667	0.07149					2				1														
149900	Springfield, MA	1	1	15000	15000	0.10007				1																			
147995	San Diego	2	0	600	300	0.00405													1					1					
146716	Bridgeport, CT	0	0	0	0	0.00000																							
143433	Scranton	2	0	500	250	0.00349															2								
142559	Des Moines	1	1	5000	5000	0.03507																							
32164309	Totals	225	59	348765	1550	0.01084	2	1	2	19	1	4	1	1	28	5	65	1	29	3	2	30	17	1	1	1	7	3	1

Other Cities with Station > 1000 watts.

Population	City	Total Stations	Total Stations >= 1000 wts.	Total Power	Avg. Power/ Station	Power/ Capita	Power = 50000	Power = 10000	Power = 5000	Power = 3500	Power = 2500	Power = 2000	Power = 1500	Power = 1000	Power = 500	Power = 250	Power = 100	Power = 50
2800	Auburn, AL	1	1	1000	1000	0.35714									1			
7394	Fayetteville, AR	1	1	1000	1000	0.13524									1			
20238	Hot Springs, AR	1	1	1000	1000	0.04941									1			
	Hollywood, CA	4	1	2250	563	0.00000									1	2	1	
142032	Longbeach, CA	2	1	1100	550	0.00774									1			1
76086	Pasadena, CA	2	1	1050	525	0.01380									1			1
33237	Colorado Springs, CO	1	1	1000	1000	0.03009									1			
	Dupont, CO	1	1	1000	1000	0.00000									1			
10465	Gainesville, FL	1	1	5000	5000	0.47778			1									
129549	Jacksonville, FL	1	1	1000	1000	0.00772									1			
6494	Miami Beach, FL	2	1	1500	750	0.23098									1	1		
21544	Boise City, ID	1	1	2000	2000	0.09283						1						
5045	Batavia, IL	1	1	5000	5000	0.99108				1								
1429	Crete, IL	1	1	5000	5000	3.49895				1								
8798	Desplaines, IL	1	1	5000	5000	0.56831				1								
	Mooseheart, IL	1	1	5000	5000	0.00000				1								
1225	Mount Prospect, IL	1	1	5000	5000	4.08163				1								
1852	Deerfield, IL	1	1	5000	5000	2.69978				1								
13060	Urbana, IL	1	1	1000	1000	0.07657									1			
5991	Zion, IL	1	1	5000	5000	0.83459				1								
114946	Fort Wayne, IN	2	1	5100	2550	0.04437				1								1
10261	Ames, IA	1	1	5000	5000	0.48728				1								
42048	Council Bluffs, IA	1	1	5000	5000	0.11891				1								
60751	Davenport, IA	1	1	5000	5000	0.08230				1								
16778	Muscatine, IA	1	1	2000	2000	0.11920							1					
6502	Shenandoah, IA	2	2	3000	1500	0.46140							1		1			
79183	Sioux City, IA	1	1	1000	1000	0.01263									1			
300	Milford, KS	1	1	2500	2500	8.33333						1						
10746	Hopkinsville, KY	1	1	1000	1000	0.09306									1			
	Kennonwood, LA	1	1	3500	3500	0.00000				1								
76655	Shreveport, LA	4	1	1550	388	0.02022									1		2	1
1413	Berrien Springs, MI	1	1	1000	1000	0.70771									1			
64928	Pontiac, MI	1	1	5000	5000	0.07701				1								
	Fridley, MN	1	1	1000	1000	0.00000									1			
	Westcott, MN	1	1	5000	5000	0.00000				1								
15296	Independence, MO	1	1	1500	1500	0.09806								1				
80935	St. Joseph, MO	2	1	1100	550	0.01359									1			1
75933	Lincoln, NE	3	1	5600	1867	0.07375				1						1		1
66198	Atlantic City, NJ	1	1	5000	5000	0.07553				1								
138513	Paterson, NJ	1	1	1000	1000	0.00722									1			
	State College/Las Cruces, NM	1	1	5000	5000	0.86044				1								
	Rossville, NY	1	1	1000	1000	0.00000									1			
95692	Schenectady, NY	1	1	50000	50000	0.52251		1										
50193	Asheville, NC	1	1	1000	1000	0.01992									1			
82675	Charlotte, NC	1	1	1000	1000	0.01210									1			
37379	Raleigh, NC	1	1	1000	1000	0.02675									1			
1449	Harrison, OH	1	1	5000	5000	3.45066												
854	Mason, OH	1	1	5000	5000	5.85480				1								
141258	Tulsa, OK	1	1	1000	1000	0.00708									1			
6072	Yankton, SD	1	1	1000	1000	0.16469									1			
105802	Knoxville, TN	3	1	1100	367	0.01040									1			2
140267	Salt Lake City, UT	2	1	1100	550	0.00784									1			1
	Mount Vernon Hills, VA	1	1	10000	10000	0.00000				1								
115514	Spokane, WA	4	2	3350	838	0.02900							1			1		1
	Brookfield, WI	1	1	1000	1000	0.00000									1			
13623	Stevens Point, WI	1	1	1000	1000	0.07341									1			



Other Cities with Station > 1000 watts.

Population	City	Total Stations	Total Stations >= 1000 wts.	Total Power	Avg. Power/ Station	Power/ Capita	Power = 50000	Power = 10000	Power = 5000	Power = 3500	Power = 2500	Power = 2000	Power = 1500	Power = 1000	Power = 500	Power = 250	Power = 100	Power = 50
2145214	Totals	76	58	204300	2688	0.09524	1	1	19	1	1	4	1	30	4	4	6	4

Most Populated 56 Cities in 1930

Population	City	Total Stations	Total Stations >= 1000 wts.	Total Power	Avg. Power/Station	Power/Capita	Power = 750	Power = 500	Power = 300	Power = 250	Power = 225	Power = 200	Power = 150	Power = 125	Power = 100	Power = 75	Power = 65	Power = 60	Power = 50	Power = 30	Power = 25	Power = 20	Power = 15	Power = 10	Power = 5
24042	Gadsden, AL	1	0	50	50	0.00208														1					
66079	Montgomery	1	0	15	15	0.00023																		1	
2277	Anchorage	1	0	100	100	0.04392									1										1
4043	Juneau	1	0	10	10	0.00247																			1
3796	Ketchikan	1	0	500	500	0.13172			1																
3891	Flagstaff	1	0	100	100	0.02570									1										
48118	Phoenix	2	0	625	313	0.01209			1					1											
32506	Tucson	1	0	100	100	0.00308									1										
5517	Prescott	1	0	15	15	0.00272																		1	
10098	Blytheville	1	0	50	50	0.00495														1					
81679	Little Rock	3	0	315	105	0.00386				1										1				1	
3488	McGahee	1	0	50	50	0.01433														1					
404	Sulphur Springs	1	0	50	50	0.12376														1					
1897	Avalon	1	0	250	250	0.13179				1															
82109	Berkeley	1	0	100	100	0.00122									1										
17429	Beverly Hills	1	0	250	250	0.01434				1															
16662	Burbank	1	0	500	500	0.03001			1																
5669	Culver City	1	0	250	250	0.04410				1															
8434	El Centro	1	0	100	100	0.01186									1										
52513	Fresno	1	0	50	50	0.00095														1					
62736	Glendale	1	0	250	250	0.00398				1															
5530	Hayward	1	0	100	100	0.01808																			
	Holy City	1	0	100	100	0.00000																			
19480	Inglewood	1	0	250	250	0.01283				1															
13583	Ontario	1	0	100	100	0.00736																			
93750	Sacramento	1	0	100	100	0.00107																			
57651	San Jose	1	0	500	500	0.00867			1																
30322	Santa Ana	1	0	100	100	0.00330																			
33613	Santa Barbara	1	0	100	100	0.00298																			
7057	Santa Maria	1	0	100	100	0.01417																			
37146	Santa Monica	1	0	500	500	0.01346			1																
47963	Stockton	2	0	110	55	0.00229																			1
1473	Edgewater	1	0	50	50	0.03394														1					
4423	Fort Morgan	1	0	100	100	0.02261									1										
12203	Greeley	1	0	500	500	0.04097			1																
1415	Gunnison	1	0	50	50	0.03534														1					
50096	Pueblo	2	0	260	130	0.00519				1															1
1360	Yuma	1	0	50	50	0.03676														1					
1013	Easton	1	0	500	500	0.49358			1																
3349	Mansfield	1	0	500	500	0.14930			1																
106597	Wilmington	1	0	250	250	0.00235				1															
7607	Clearwater	1	0	750	750	0.09859			1																
18554	Lakeland	1	0	100	100	0.00539																			
110637	Miami	1	0	750	750	0.00678			1																
27330	Orlando	1	0	500	500	0.01829				1															
31579	Pensacola	1	0	500	500	0.01583				1															
8398	Sarasota	1	0	250	250	0.02977				1															
101181	Tampa	2	0	600	300	0.00593				1															
64045	Macon	1	0	500	500	0.00781			1																
43131	Columbus, GA	1	0	50	50	0.00116														1					
3390	Tifton	1	0	20	20	0.00590																	1		
4602	Toccoa	1	0	500	500	0.10865				1															
137582	Honolulu	2	0	750	375	0.00545				1															
1976	Jerome	1	0	15	15	0.00759																		1	
4124	Kellogg	1	0	10	10	0.00242																			1
16471	Pocatello	1	0	250	250	0.01518					1														
2240	Carthage	1	0	50	50	0.02232															1				
57510	Decatur	2	0	350	175	0.00609					1														
63338	Evanston	1	0	100	100	0.00158																			
28830	Galesburg	2	0	200	100	0.00694																			
11625	Harrisburg	1	0	15	15	0.00129																			1
42993	Joliet	2	0	300	150	0.00698																			
13149	La Salle	1	0	100	100	0.00761																			
3279	Peoria Heights	1	0	250	250	0.07624					1														
39241	Quincy	1	0	500	500	0.01274				1															
85864	Rockford	1	0	100	100	0.00116																			1
37953	Rock Island	1	0	100	100	0.00263																			1
71864	Springfield	1	0	250	250	0.00348						1													
14728	Streator	1	0	50	50	0.00339															1				
2569	Tuscola	1	0	100	100	0.03893																			1
39804	Anderson	1	0	15	15	0.00038																			1
1502	Culver	1	0	500	500	0.33289				1															
102249	Evansville, IN	1	0	250	250	0.00245						1													
100426	Gary	1	0	500	500	0.00498				1															

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64560	Hammond	1	0	500	500	0.00774		1											1							
32843	Kokomo	1	0	50	50	0.00152																				
26240	Lafayette	1	0	500	500	0.01905		1																		
15755	La Porte	1	0	100	100	0.00635									1						1					
46548	Muncie	1	0	50	50	0.00107																				
104193	South Bend	1	0	500	500	0.00480		1							1											
62810	Terre Haute	1	0	100	100	0.00159																				
8079	Valparaiso	1	0	250	250	0.03094					1				1											
2148	Brookville	1	0	100	100	0.04655																			1	
11886	Boone	1	0	10	10	0.00084									1											
56097	Cedar Rapids	1	0	100	100	0.00178																				
4962	Clarinda	1	0	500	500	0.10077		1													1				1	
4581	Decorah	2	0	60	30	0.01310									1											
21895	Fort Dodge	1	0	100	100	0.00457																				
15340	Iowa City	1	0	500	500	0.03259		1																		
17373	Marshalltown	1	0	250	250	0.01439					1															
28075	Ottumwa	1	0	100	100	0.00356																				
5778	Red Oak	1	0	100	100	0.01731									1											
46191	Waterloo	1	0	250	250	0.00541					1															
5792	Concordia	1	0	50	50	0.00863															1					
121857	Kansas City, KS	1	0	50	50	0.00041															1					
13726	Lawrence	2	0	1250	625	0.09107	1	1																		
10136	Manhattan	1	0	500	500	0.04933			1																	
64120	Topeka	1	0	250	250	0.00390					1															
111110	Wichita	1	0	500	500	0.00450		1																		
	Okalona	1	0	30	30	0.00000															1		1			
	Cedar Grove	1	0	50	50	0.00000																				
28749	Bangor	1	0	100	100	0.00348									1											
	Dover-Foxcroft	1	0	250	250	0.00000					1															
70810	Portland, ME	1	0	500	500	0.00706		1																		
10997	Salisbury	1	0	100	100	0.00909																				
45816	Chelsea	1	0	100	100	0.00218									1											
8778	South Dartmouth	1	0	500	500	0.05696		1																		
115274	Fall River	1	0	250	250	0.00217															1					
24204	Gloucester	1	0	100	100	0.00413																				
9467	Lexington	1	0	15	15	0.00158																			1	
112597	New Bedford	1	0	250	250	0.00222						1														
12992	Webster	1	0	100	100	0.00770															1					
11439	Wellesley Hills	1	0	100	100	0.00874																				
43573	Battle Creek	1	0	50	50	0.00115																				
47355	Bay City	1	0	250	250	0.00528					1															
4389	East Lansing	1	0	500	500	0.11392				1																
600	Fraser	1	0	750	750	1.25000	1																			
55187	Jackson	1	0	100	100	0.00181										1										
5008	Lapeer	1	0	30	30	0.00599																1				
8898	Ludington	1	0	15	15	0.00169															1					
22904	Royal Oak	1	0	50	50	0.00218																			1	
10143	Ypsilanti	1	0	15	15	0.00148																				
368	Barrett	1	0	50	50	0.13587																				
	Collegeville	1	0	100	100	0.00000																				
869	Hallock	1	0	50	50	0.05754																				
4153	Northfield	2	0	1000	500	0.24079																				
10743	Columbus	1	0	500	500	0.04654																				
14807	Greenville	1	0	100	100	0.00675																				
12547	Gulfport	1	0	15	15	0.00120																				
18601	Hattiesburg	1	0	10	10	0.00054																				1
652	Utica	1	0	225	225	0.34509																				
16227	Cape Girardeau	1	0	50	50	0.00308																				
14967	Columbia, MO	1	0	500	500	0.03341									1											
21596	Jefferson City	1	0	500	500	0.02315																				
33454	Joplin	1	0	100	100	0.00299																				
8293	Kirksville	1	0	15	15	0.00181																				
16380	Billings	1	0	250	250	0.01526																				
6372	Havre	1	0	50	50	0.00785																				
6094	Kalispell	1	0	100	100	0.01641																				
14657	Missoula	2	0	505	253	0.03445																				
	Vida	1	0	10	10	0.00000																				
933	Clay Center	1	0	250	250	0.26795																				
10717	Norfolk, NE	1	0	250	250	0.02333																				
1550	Ravenna	1	0	10	10	0.00645																				
5712	York	1	0	100	100	0.01751																				
12471	Laconia	1	0	50	50	0.00401																				
1712	Tilton	1	0	500	500	0.29206																				
14981	Asbury Park	1	0	500	500	0.03338																				

Most Populated 56 Cities in 1930

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118700	Camden	1	0	500	500	0.00421		1																	
114589	Elizabeth	1	0	250	250	0.00218				1															
11622	Red Bank	1	0	100	100	0.00860									1										
123356	Trenton	1	0	500	500	0.00405		1																	
58659	Union City	1	0	100	100	0.00170									1										
6090	Raton	1	0	50	50	0.00821													1						
26570	Albuquerque	1	0	100	100	0.00376									1										
	Astoria	1	0	500	500	0.00000		1																	
36652	Auburn, NY	1	0	100	100	0.00273									1										
	Bay Shore	1	0	150	150	0.00000							1												
2822	Canton, NY	1	0	500	500	0.17718		1																	
1788	Cazenovia, NY	1	0	500	500	0.27964		1																	
	Coney Island, NY	1	0	500	500	0.00000		1																	
16231	Endicott, NY	1	0	50	50	0.00308													1						
3373	Farmingdale, NY	1	0	30	30	0.00889														1					
15467	Freeport, NY	1	0	150	150	0.00970							1								1				
	Greenville, NY	1	0	250	250	0.00000					1														
20708	Ithaca, NY	1	0	50	50	0.00241													1						
460	Jamaica, NY	1	0	10	10	0.02174																			1
45155	Jamestown, NY	1	0	25	25	0.00055																1			
5817	Long Beach, NY	1	0	100	100	0.01719									1										
	Long Island City, NY	1	0	250	250	0.00000					1														
	Martinsville, NY	1	0	750	750	0.00000		1																	
17125	Peekskill, NY	1	0	750	750	0.04380																			
8020	Saranac Lake	1	0	10	10	0.00125		1																	1
72763	Troy	1	0	500	500	0.00687									1										
101740	Utica	1	0	150	150	0.00147								1											
	Woodhaven	1	0	500	500	0.00000																			
	Woodside	1	0	100	100	0.00000									1										
17093	Gastonia	1	0	50	50	0.00293													1						
53569	Greensboro	1	0	500	500	0.00933		1																	
32270	Wilmington	1	0	50	50	0.00155														1					
11090	Bismarck	1	0	250	250	0.02254					1														
5451	Devils Lake	1	0	15	15	0.00275																		1	
28610	Fargo	1	0	250	250	0.00874					1														
17112	Grand Forks	1	0	100	100	0.00584									1										
5037	Mandan	1	0	100	100	0.01985									1										
9543	Bellefontaine	1	0	10	10	0.00105																			1
16129	Cambridge	1	0	10	10	0.00062																			1
104906	Canton	1	0	10	10	0.00010																			1
52176	Hamilton	1	0	100	100	0.00192									1										
33525	Mansfield, OH	1	0	50	50	0.00149														1					
29992	Middletown	1	0	100	100	0.00333									1										
68743	Springfield	1	0	500	500	0.00727					1														
35422	Steubenville	1	0	50	50	0.00141														1					
5121	Ava	1	0	25	25	0.00488																1			
14099	Chickasha	1	0	250	250	0.01773					1														
26399	Enid	1	0	50	50	0.00189														1					
9603	Norman	1	0	500	500	0.05207		1																	
7773	Picher	1	0	100	100	0.01287																			
16136	Ponca City	1	0	100	100	0.00620									1										
10349	Astoria	1	0	50	50	0.00483														1					
7585	Corvallis	1	0	500	500	0.06592		1																	
18901	Eugene	1	0	50	50	0.00265															1				
11007	Medford	1	0	50	50	0.00454															1				
92563	Allentown	2	0	200	100	0.00216																			
82054	Altoona	1	0	100	100	0.00122									1										
20061	Carbondale	1	0	5	5	0.00025																			1
	Elkins Park	1	0	50	50	0.00000														1					
115967	Erie	2	0	60	30	0.00052															2				
	Frankford	1	0	50	50	0.00000														1					
6156	Grove City	1	0	250	250	0.04061					1														
80330	Harrisburg	2	0	600	300	0.00747					1														
66993	Johnstown	1	0	250	250	0.00373									1										
21600	Kingston	1	0	250	250	0.01157									1										
59949	Lancaster	2	0	65	33	0.00108														1				1	
	Lamoigne	1	0	250	250	0.00000																			
3308	Lewisburg	1	0	100	100	0.03023																			
22075	Oil City	1	0	500	500	0.02265									1										
111171	Reading	1	0	100	100	0.00090																			
4450	State College, PA	1	0	500	500	0.11236																			
24545	Washington	1	0	15	15	0.00061																		1	
86620	Wilkes-Barre	2	0	200	100	0.00231									2										
	Willow Grove	1	0	50	50	0.00000															1				

Most Populated 56 Cities in 1930

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114715	San Juan	1	0	500	500	0.00436		1																		
42911	Cranston	1	0	250	250	0.00583				1																
27612	Newport	1	0	100	100	0.00362					1															
77149	Pawtucket	1	0	100	100	0.00130										1										
62265	Charleston	1	0	75	75	0.00120											1									
51581	Columbia	1	0	15	15	0.00029																		1		
4376	Brookings	2	0	515	258	0.11769		1																1		
1657	Dell Rapids	1	0	15	15	0.00005																		1		
410	Oldham	1	0	15	15	0.03859																		1		
3659	Pierre	1	0	200	200	0.05466						1														
33362	Sioux Falls	1	0	250	250	0.00749					1		1													
2850	Vermillion	1	0	250	250	0.08772					1															
10404	Rapid City	1	0	100	100	0.00961										1										
3102	Lawrenceburg, TN	1	0	500	500	0.16119		1																		
5577	Springfield	1	0	150	150	0.02890								1												
5865	Union City	1	0	15	15	0.00256																		1		
	Whitehaven	1	0	500	500	0.00000		1																		
119798	Chattanooga	1	0	500	500	0.00417		1																		
43132	Amarillo	2	0	750	375	0.01739		1			1															
53120	Austin	1	0	500	500	0.00941		1																		
57732	Beaumont	1	0	500	500	0.00866		1																		
7589	Breckenridge, TX	1	0	100	100	0.01318										1										
22021	Brownsville	1	0	500	500	0.02271		1									1									
	College Station, TX	1	0	500	500	0.00000		1																		
2271	Dublin	1	0	15	15	0.00861																			1	
102421	El Paso	1	0	100	100	0.00098										1										
52938	Galveston	2	0	600	300	0.01133		1								1										
3583	Georgetown	1	0	100	100	0.02791										1										
1324	Goldthwaite	1	0	50	50	0.03776													1							
12407	Greenville	1	0	15	15	0.00121																		1		
12124	Harlingen	1	0	100	100	0.00825										1										
1432	Richmond, TX	1	0	50	50	0.03492													1							
25308	San Angelo, TX	1	0	15	15	0.00059																			1	
52848	Waco	1	0	500	500	0.00946		1																		
43690	Wichita Falls	1	0	250	250	0.00572					1									1						
40272	Ogden	1	0	50	50	0.00124														1						
24789	Burlington	1	0	100	100	0.00403										1										
4943	Springfield, VA	1	0	10	10	0.00202																			1	
34417	Newport News	1	0	100	100	0.00291										1										
129710	Norfolk	2	0	600	300	0.00463		1								1										
28564	Petersburg	1	0	100	100	0.00350																				
69296	Roanoke	2	0	500	250	0.00722					2															
45704	Portsmouth	1	0	500	500	0.01094		1																		
21723	Aberdeen	1	0	50	50	0.00230														1						
30823	Bellingham	1	0	250	250	0.00811					1															
30567	Everett	1	0	50	50	0.00164														1						
	Lacey	1	0	50	50	0.00000														1						
10652	Longview	1	0	10	10	0.00094																			1	
3322	Pullman	1	0	500	500	0.15051		1																		
106817	Tacoma	2	0	750	375	0.00702		1				1														
60408	Charleston, WV	1	0	250	250	0.00414					1															
28866	Clarksburg	1	0	65	65	0.00225												1								
	Weirton	1	0	60	60	0.00000													1							
75572	Huntington	1	0	100	100	0.00132										1										
61659	Wheeling	1	0	250	250	0.00405					1															
23611	Beloit	1	0	500	500	0.02118																				
26287	Eau Claire	1	0	500	500	0.01902																				
26449	Fond du Lac	1	0	100	100	0.00378																				
50262	Kenosha	1	0	100	100	0.00199																				
30614	La Crosse	1	0	500	500	0.01633																				
57899	Madison	2	0	850	425	0.01468		1								1										
22963	Manitowoc	1	0	100	100	0.00435										1										
672	Poynette	1	0	20	20	0.02976																		1		
67542	Racine	1	0	50	50	0.00074																				
39251	Sheboygan	1	0	250	250	0.00637						1								1						
36113	Superior	1	0	250	250	0.00692						1														
	West De Pere	1	0	50	50	0.00000														1						
8609	Laramie	1	0	500	500	0.05808																				
8674092	Totals	316	0	65790	208	0.00758		7	71	0	49	1	1	6	1	80	1	1	1	48	5	2	2	22	16	2







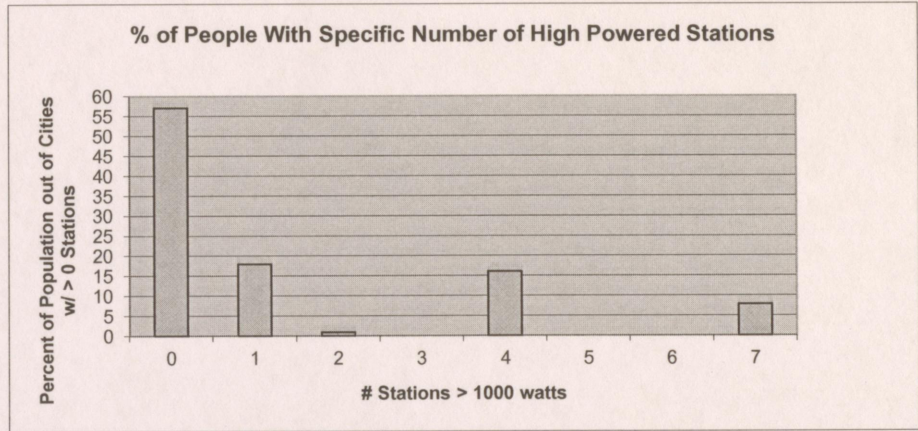
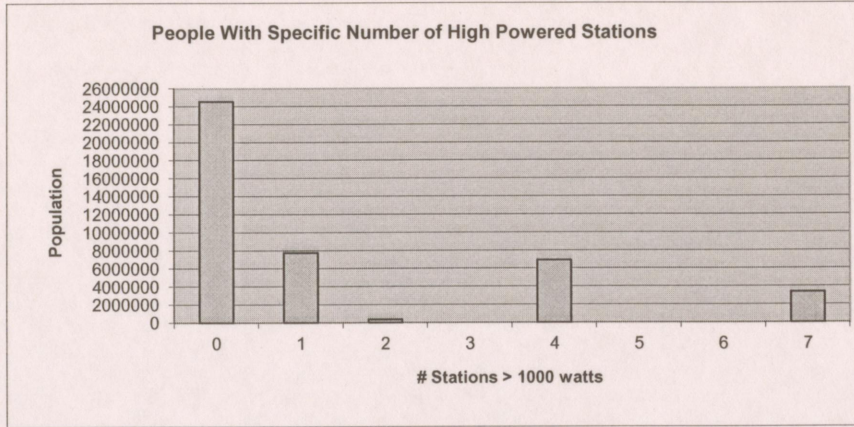






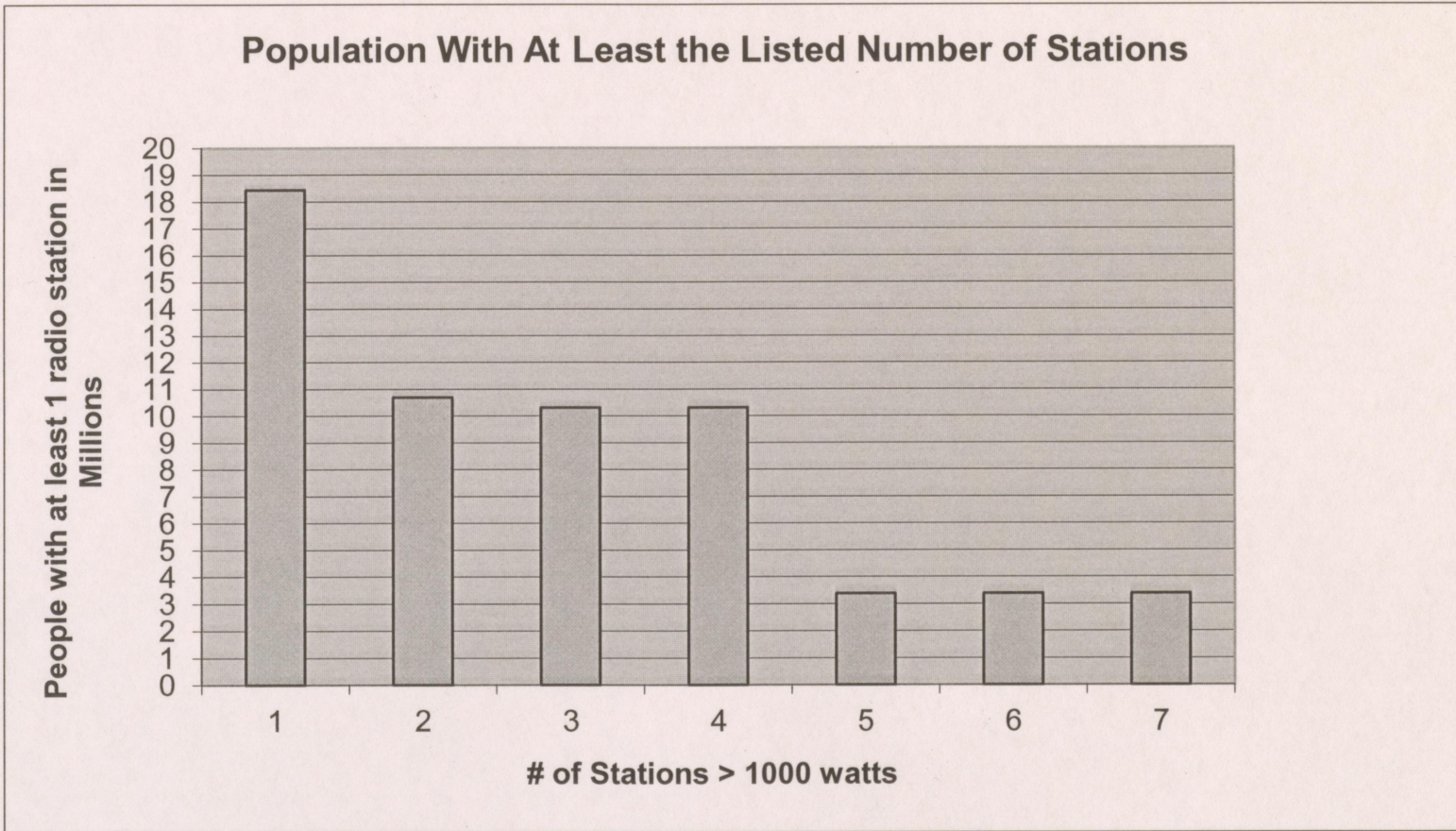
**Chart 1 Data**

Population	24550940	7740383	385408	0	6930446	0	0	3376438	42983615
% of Total Population	57	18	1	0	16	0	0	8	
# of Stations	0	1	2	3	4	5	6	7	



**Chart 1 Data**

Population	18432675	10692292	10306884	10306884	3376438	3376438	3376438
# of Stations	1	2	3	4	5	6	7













Population	City	Total Stations	Total Stations > 1000 wts.	Total Stations >= 1000 wts.	Total Power	Avg. Power/Station	Power/Capacity	Power = 50000	Power = 30000	Power = 15000	Power = 10000	Power = 5000	Power = 3500	Power = 2500	Power = 2000	Power = 1500	Power = 1000	Power = 750	Power = 500	Power = 300	Power = 250	Power = 225	Power = 200	Power = 150	Power = 125	Power = 100	Power = 75	Power = 65	Power = 60	Power = 50	Power = 30	Power = 25	Power = 20	Power = 15	Power = 10	Power = 5
Chart 2 Data																																				
42983615	18432675	10662202	10306884	10306884	3376438	3376438	3376438																													
0		1	2	3	4	5	6	7																												

Population	City	Total Stations	Total Stations >= 1000 wts.	Total Power	Avg. Power/Station	Power/Capita	Power = 50000	Power = 30000	Power = 15000	Power = 5000	Power = 3500	Power = 2500	Power = 2000	Power = 1500	Power = 1000	Power = 750	Power = 500	Power = 300	Power = 250	Power = 200	Power = 150	Power = 100	Power = 50	Power = 30	Power = 25	Power = 20	Power = 15	Power = 10	Power = 5
6930446	NY (and Brooklyn, Baltimore)	21	6	95360	4541	0.01376	1	1																					
3376438	Chicago	15	7	40950	2730	0.01213			1	4		1		1															
1950961	Philadelphia	12	1	4150	346	0.00213									1														
1568662	Detroit	4	1	1300	325	0.00283										1				1									
1238048	Los Angeles	7	3	4600	657	0.00372										3													
900429	Cleveland	4	2	5500	1375	0.00611					1					3													
821960	St. Louis	8	4	8950	1119	0.01089					1		1																
804874	Baltimore	4	1	5600	1400	0.00696										3				1									
781188	Boston	6	0	2150	358	0.00275														2									
669817	Pittsburgh	4	1	51500	12875	0.07689	1																						
634394	San Francisco	6	3	3650	608	0.00575																							
578249	Milwaukee	2	0	750	375	0.00130										3													
573078	Buffalo	5	1	8750	1350	0.01178					1									1									
486869	Washington DC	3	0	1150	383	0.00238										2					1								
464356	Minneapolis	4	1	6500	1625	0.01400											2					1							
458762	New Orleans	7	0	1730	247	0.00377										3													
451160	Cincinnati	3	0	775	258	0.00172										1				1									
442337	Newark, NJ	4	1	5750	1438	0.01300																							
396746	Kansas City	4	1	2100	525	0.00525														3									
385583	Seattle	11	4	6465	588	0.01768										1													
364161	Indianapolis	2	1	1250	625	0.00343							1																
328132	Rochester	3	1	5265	1755	0.01605										1					1								
316715	Jersey City, NJ	2	0	550	275	0.00174																							
307745	Louisville	1	0	500	500	0.00162											1			1									
301815	Portland	10	3	5915	592	0.01960								1															
292352	Houston	2	0	505	253	0.00173											2			1									
290718	Toledo	1	0	250	250	0.00086											1												
290364	Columbus	4	1	6050	1513	0.02082										1													
287861	Denver	6	1	6350	1058	0.02206																							
284063	Oakland	5	1	6750	1350	0.02376																							
271608	St. Paul	0	0	0	0	0.00000																							
360691	Atlanta	3	1	1700	567	0.00471																							
260475	Dallas	3	0	1500	500	0.00576																							
259678	Birmingham	2	0	260	130	0.00100																							
255040	Akron	2	1	1500	750	0.00588																							
253143	Memphis	5	0	725	145	0.00286																							
252081	Providence	2	0	1000	500	0.00395																							
231542	San Antonio	6	2	7385	1231	0.03189																							
214006	Omaha	2	1	1500	750	0.00701																							
209326	Syracuse	2	0	1250	625	0.00597																							
200982	Dayton	1	0	200	200	0.00100																							
195311	Worcester, MA	1	0	250	250	0.00128																							
185389	Oklahoma City	4	1	1250	313	0.00674																							
162929	Richmond	4	1	1130	283	0.00618																							
170022	Youngstown, OH	1	0	50	50	0.00029																							
168592	Grand Rapids	2	0	750	375	0.00443																							
164072	Hartford	1	0	500	500	0.00305																							
163447	Fort Worth	3	2	6050	2017	0.03702																							
162655	New Haven	1	0	500	500	0.00307																							
156492	Flint	1	0	100	100	0.00064																							
153866	Nashville	3	3	11000	3667	0.07149																							
149900	Springfield, MA	1	1	15000	15000	0.10007																							
147995	San Diego	2	0	600	300	0.00405																							
146716	Bridgeport, CT	0	0	0	0	0.00000																							
143433	Scranton	2	0	500	250	0.00349																							
142559	Des Moines	1	1	5000	5000	0.03507																							
32164309	Totals	225	59	348765	1550	0.01084	2	1	2	19	1	4	1	1	28	5	65	1	29	3	2	30	17	1	1	1	7	3	1

Other Cities with Station > 1000 watts.

Population	City	Total Stations	Total Stations >= 1000 wts.	Total Power	Avg. Power/ Station	Power/ Capita	Power = 50000	Power = 10000	Power = 5000	Power = 3500	Power = 2500	Power = 2000	Power = 1500	Power = 1000	Power = 500	Power = 250	Power = 100	Power = 50
2800	Auburn, AL	1	1	1000	1000	0.35714									1			
7394	Fayetteville, AR	1	1	1000	1000	0.13524									1			
20238	Hot Springs, AR	1	1	1000	1000	0.04941									1			
	Hollywood, CA	4	1	2250	563	0.00000									1	2	1	
142032	Longbeach, CA	2	1	1100	550	0.00774									1			1
76086	Pasadena, CA	2	1	1050	525	0.01380									1			1
33237	Colorado Springs, CO	1	1	1000	1000	0.03009									1			
	Dupont, CO	1	1	1000	1000	0.00000									1			
10465	Gainesville, FL	1	1	5000	5000	0.47778			1									
129549	Jacksonville, FL	1	1	1000	1000	0.00772									1			
6494	Miami Beach, FL	2	1	1500	750	0.23098									1	1		
21544	Boise City, ID	1	1	2000	2000	0.09283						1						
5045	Batavia, IL	1	1	5000	5000	0.99108				1								
1429	Crete, IL	1	1	5000	5000	3.49895				1								
8798	Desplaines, IL	1	1	5000	5000	0.56831				1								
	Mooseheart, IL	1	1	5000	5000	0.00000				1								
1225	Mount Prospect, IL	1	1	5000	5000	4.08163				1								
1852	Deerfield, IL	1	1	5000	5000	2.69978				1								
13060	Urbana, IL	1	1	1000	1000	0.07657								1				
5991	Zion, IL	1	1	5000	5000	0.83459				1								
114946	Fort Wayne, IN	2	1	5100	2550	0.04437				1								1
10261	Ames, IA	1	1	5000	5000	0.48728				1								
42048	Council Bluffs, IA	1	1	5000	5000	0.11891				1								
60751	Davenport, IA	1	1	5000	5000	0.08230				1								
16778	Muscatine, IA	1	1	2000	2000	0.11920						1						
6502	Shenandoah, IA	2	2	3000	1500	0.46140						1			1			
79183	Sioux City, IA	1	1	1000	1000	0.01263									1			
300	Milford, KS	1	1	2500	2500	8.33333					1							
10746	Hopkinsville, KY	1	1	1000	1000	0.09306									1			
	Kenonwood, LA	1	1	3500	3500	0.00000				1								
76655	Shreveport, LA	4	1	1550	388	0.02022									1		2	1
1413	Berrien Springs, MI	1	1	1000	1000	0.70771									1			
64928	Pontiac, MI	1	1	5000	5000	0.07701				1								
	Fridley, MN	1	1	1000	1000	0.00000									1			
	Westcott, MN	1	1	5000	5000	0.00000				1								
15296	Independence, MO	1	1	1500	1500	0.09806							1					
80935	St. Joseph, MO	2	1	1100	550	0.01359									1			1
75933	Lincoln, NE	3	1	5600	1867	0.07375				1						1		1
66198	Atlantic City, NJ	1	1	5000	5000	0.07553				1								
138513	Paterson, NJ	1	1	1000	1000	0.00722									1			
	State College/Las Cruces, NM	1	1	5000	5000	0.86044				1								
5811	Rossville, NY	1	1	1000	1000	0.00000									1			
95692	Schenectady, NY	1	1	50000	50000	0.52251	1											
50193	Asheville, NC	1	1	1000	1000	0.01992									1			
82675	Charlotte, NC	1	1	1000	1000	0.01210									1			
37379	Raleigh, NC	1	1	1000	1000	0.02675									1			
1449	Harrison, OH	1	1	5000	5000	3.45066						1						
854	Mason, OH	1	1	5000	5000	5.85480				1								
141258	Tulsa, OK	1	1	1000	1000	0.00708									1			
6072	Yankton, SD	1	1	1000	1000	0.16469									1			
105802	Knoxville, TN	3	1	1100	367	0.01040									1			2
140267	Salt Lake City, UT	2	1	1100	550	0.00784									1			1
	Mount Vernon Hills, VA	1	1	10000	10000	0.00000				1								
115514	Spokane, WA	4	2	3350	838	0.02900						1			1		1	
	Brookfield, WI	1	1	1000	1000	0.00000									1			
13623	Stevens Point, WI	1	1	1000	1000	0.07341									1			

Other Cities with Station > 1000 watts.

Population	City	Total Stations	Total Stations >= 1000 wts.	Total Power	Avg. Power/ Station	Power/ Capita	Power = 50000	Power = 10000	Power = 5000	Power = 3500	Power = 2500	Power = 2000	Power = 1500	Power = 1000	Power = 500	Power = 250	Power = 100	Power = 50
2145214	Totals	76	58	204300	2688	0.09524	1	1	19	1	1	4	1	30	4	4	6	4

Population	City	Total Stations	Total Stations >= 1000 wts.	Total Power	Avg. Power/S tation	Power/ Capita	Power = 750	Power = 500	Power = 300	Power = 250	Power = 225	Power = 200	Power = 150	Power = 125	Power = 100	Power = 75	Power = 65	Power = 60	Power = 50	Power = 30	Power = 25	Power = 20	Power = 15	Power = 10	Power = 5
24042	Gadsden, AL	1	0	50	50	0.00208														1					
66079	Montgomery	1	0	15	15	0.00203																		1	
2277	Anchorage	1	0	100	100	0.04392									1										
4043	Juneau	1	0	10	10	0.00247																		1	
3796	Ketchikan	1	0	500	500	0.13172			1																
3891	Flagstaff	1	0	100	100	0.02570									1										
48118	Phoenix	2	0	625	313	0.01299			1					1											
32506	Tucson	1	0	100	100	0.00308									1										
5517	Prescott	1	0	15	15	0.00272																		1	
10098	Blytheville	1	0	50	50	0.00495														1					
81679	Little Rock	3	0	315	105	0.00386				1										1				1	
3488	McGahee	1	0	50	50	0.01433														1					
404	Sulphur Springs	1	0	50	50	0.12376														1					
1897	Avalon	1	0	250	250	0.13179				1															
82109	Berkeley	1	0	100	100	0.00122									1										
17429	Beverly Hills	1	0	250	250	0.01434					1														
16662	Burbank	1	0	500	500	0.03001			1																
5669	Culver City	1	0	250	250	0.04410					1														
8434	El Centro	1	0	100	100	0.01186									1										
52513	Fresno	1	0	50	50	0.00095														1					
62736	Glendale	1	0	250	250	0.00398					1														
5530	Hayward	1	0	100	100	0.01808									1										
	Holy City	1	0	100	100	0.00000									1										
19480	Inglewood	1	0	250	250	0.01283					1														
13583	Ontario	1	0	100	100	0.00736									1										
93750	Sacramento	1	0	100	100	0.00107																			
57651	San Jose	1	0	500	500	0.00867			1																
30322	Santa Ana	1	0	100	100	0.00330									1										
33613	Santa Barbara	1	0	100	100	0.00298																			
7057	Santa Maria	1	0	100	100	0.01417									1										
37146	Santa Monica	1	0	500	500	0.01346			1																
47963	Stockton	2	0	110	55	0.00229									1										1
1473	Edgewater	1	0	50	50	0.03394														1					
4423	Fort Morgan	1	0	100	100	0.02261									1										
12203	Greeley	1	0	500	500	0.04097				1															
1415	Gunnison	1	0	50	50	0.03534														1					
50096	Pueblo	2	0	260	130	0.00519						1													1
1360	Yuma	1	0	50	50	0.03676														1					
1013	Easton	1	0	500	500	0.49358			1																
3349	Mansfield	1	0	500	500	0.14930				1															
106597	Wilmington	1	0	250	250	0.00235					1														
7607	Clearwater	1	0	750	750	0.09859			1																
18554	Lakeland	1	0	100	100	0.00539									1										
110637	Miami	1	0	750	750	0.00678			1																
27330	Orlando	1	0	500	500	0.01829				1															
31579	Pensacola	1	0	500	500	0.01583				1															
8398	Sarasota	1	0	250	250	0.02977					1														
101161	Tampa	2	0	600	300	0.00593										1									
64045	Macon	1	0	500	500	0.00781				1															
43131	Columbus, GA	1	0	50	50	0.00116														1					
3390	Tifton	1	0	20	20	0.00590																	1		
4602	Toccoa	1	0	500	500	0.10865				1															
137582	Honolulu	2	0	750	375	0.00545				1															
1976	Jerome	1	0	15	15	0.00759																		1	
4124	Kellogg	1	0	10	10	0.00242																			1
16471	Pocatello	1	0	250	250	0.01518					1														
2240	Carthage	1	0	50	50	0.02232														1					
57510	Decatur	2	0	350	175	0.00609					1					1									
63338	Evanston	1	0	100	100	0.00158										1									
28830	Galesburg	2	0	200	100	0.00694										2									
11625	Harrisburg	1	0	15	15	0.00129																		1	
42993	Joliet	2	0	300	150	0.00698							2												
13149	La Salle	1	0	100	100	0.00761									1										
3279	Peoria Heights	1	0	250	250	0.07624					1														
39241	Quincy	1	0	500	500	0.01274				1															
85864	Rockford	1	0	100	100	0.00116										1									
37953	Rock Island	1	0	100	100	0.00263										1									
71864	Springfield	1	0	250	250	0.00348					1														
14728	Streator	1	0	50	50	0.00339														1					
2569	Tuscola	1	0	100	100	0.03893									1										
39804	Anderson	1	0	15	15	0.00038																		1	
1502	Culver	1	0	500	500	0.33289				1															
102249	Evansville, IN	1	0	250	250	0.00245					1														
100426	Gary	1	0	500	500	0.00498				1															

Population	City	Total Stations	Total Stations >= 1000 wts.	Total Power	Avg. Power/Station	Power/Capita	Power = 750	Power = 500	Power = 300	Power = 250	Power = 225	Power = 200	Power = 150	Power = 125	Power = 100	Power = 75	Power = 65	Power = 60	Power = 50	Power = 30	Power = 25	Power = 20	Power = 15	Power = 10	Power = 5
64560	Hammond	1	0	500	500	0.00774																			
32843	Kokomo	1	0	50	50	0.00152																			
26240	Lafayette	1	0	500	500	0.01905																			
15755	La Porte	1	0	100	100	0.00635																			
46548	Muncie	1	0	50	50	0.00107																			
104193	South Bend	1	0	500	500	0.00480																			
62810	Terre Haute	1	0	100	100	0.00159																			
8079	Valparaiso	1	0	250	250	0.03094																			
2148	Brookville	1	0	100	100	0.04655																			
11886	Boone	1	0	10	10	0.00084																			
56097	Cedar Rapids	1	0	100	100	0.00178																			
4962	Clarinda	1	0	500	500	0.10077																			
4581	Decorah	2	0	60	30	0.01310																			
21895	Fort Dodge	1	0	100	100	0.00457																			
15340	Iowa City	1	0	500	500	0.03259																			
17373	Marshalltown	1	0	250	250	0.01439																			
28075	Ottumwa	1	0	100	100	0.00356																			
5778	Red Oak	1	0	100	100	0.01731																			
46191	Waterloo	1	0	250	250	0.00541																			
5792	Concordia	1	0	50	50	0.00863																			
121857	Kansas City, KS	1	0	50	50	0.00041																			
13726	Lawrence	2	0	1250	625	0.09107																			
10136	Manhattan	1	0	500	500	0.04933																			
64120	Topeka	1	0	250	250	0.00390																			
111110	Wichita	1	0	500	500	0.00450																			
	Okalona	1	0	30	30	0.00000																			
	Cedar Grove	1	0	50	50	0.00000																			
28749	Bangor	1	0	100	100	0.00348																			
	Dover-Foxcroft	1	0	250	250	0.00000																			
70810	Portland, ME	1	0	500	500	0.00706																			
10997	Salisbury	1	0	100	100	0.00909																			
45816	Chelsea	1	0	100	100	0.00218																			
8778	South Dartmouth	1	0	500	500	0.05696																			
115274	Fall River	1	0	250	250	0.00217																			
24204	Gloucester	1	0	100	100	0.00413																			
9467	Lexington	1	0	15	15	0.00158																			
112597	New Bedford	1	0	250	250	0.00222																			
12992	Webster	1	0	100	100	0.00770																			
11439	Wellesley Hills	1	0	100	100	0.00874																			
43573	Battle Creek	1	0	50	50	0.00115																			
47355	Bay City	1	0	250	250	0.00528																			
4389	East Lansing	1	0	500	500	0.11392																			
600	Fraser	1	0	750	750	1.25000																			
55187	Jackson	1	0	100	100	0.00181																			
5008	Lapeer	1	0	30	30	0.00599																			
8898	Ludington	1	0	15	15	0.00169																			
22904	Royal Oak	1	0	50	50	0.00218																			
10143	Ypsilanti	1	0	15	15	0.00148																			
368	Barrett	1	0	50	50	0.13587																			
	Collegeville	1	0	100	100	0.00000																			
869	Hallock	1	0	50	50	0.05754																			
4153	Northfield	2	0	1000	500	0.24079																			
10743	Columbus	1	0	500	500	0.04654																			
14807	Greenville	1	0	100	100	0.00675																			
12547	Gulfport	1	0	15	15	0.00120																			
18601	Hattiesburg	1	0	10	10	0.00054																			
652	Utica	1	0	225	225	0.34509																			
16227	Cape Girardeau	1	0	50	50	0.00308																			
14967	Columbia, MO	1	0	500	500	0.03341																			
21596	Jefferson City	1	0	500	500	0.02315																			
33454	Joplin	1	0	100	100	0.00299																			
8293	Kirksville	1	0	15	15	0.00181																			
16380	Billings	1	0	250	250	0.01526																			
6372	Havre	1	0	50	50	0.00785																			
6094	Kalispell	1	0	100	100	0.01641																			
14657	Missoula	2	0	505	253	0.03445																			
	Vida	1	0	10	10	0.00000																			
933	Clay Center	1	0	250	250	0.26795																			
10717	Norfolk, NE	1	0	250	250	0.02333																			
1550	Ravenna	1	0	10	10	0.00645																			
5712	York	1	0	100	100	0.01751																			
12471	Laconia	1	0	50	50	0.00401																			
1712	Tilton	1	0	500	500	0.29206																			
14981	Asbury Park	1	0	500	500	0.03338																			

Most Populated 56 Cities in 1930

Population	City	Total Stations	Total Stations >= 1000 wts.	Total Power	Avg. Power/Station	Power/Capita	Power = 750	Power = 500	Power = 300	Power = 250	Power = 225	Power = 200	Power = 150	Power = 125	Power = 100	Power = 75	Power = 65	Power = 60	Power = 50	Power = 30	Power = 25	Power = 20	Power = 15	Power = 10	Power = 5	
118700	Camden	1	0	500	500	0.00421		1																		
114589	Elizabeth	1	0	250	250	0.00218					1															
11622	Red Bank	1	0	100	100	0.00860										1										
123356	Trenton	1	0	500	500	0.00405			1																	
58659	Union City	1	0	100	100	0.00170										1										
6090	Raton	1	0	50	50	0.00821														1						
26570	Albuquerque	1	0	100	100	0.00376										1										
	Asloria	1	0	500	500	0.00000			1																	
36652	Auburn, NY	1	0	100	100	0.00273										1										
	Bay Shore	1	0	150	150	0.00000								1												
2822	Canton, NY	1	0	500	500	0.17718			1																	
1788	Cazenovia, NY	1	0	500	500	0.27964			1																	
	Coney Island, NY	1	0	500	500	0.00000			1																	
16231	Endicott, NY	1	0	50	50	0.00308														1						
3373	Farmingdale, NY	1	0	30	30	0.00889															1					
15467	Freeport, NY	1	0	150	150	0.00670								1								1				
	Greenville, NY	1	0	250	250	0.00000						1														
20708	Ithaca, NY	1	0	50	50	0.00241														1						
460	Jamaica, NY	1	0	10	10	0.02174															1					1
45155	Jamestown, NY	1	0	25	25	0.00055																	1			
5817	Long Beach, NY	1	0	100	100	0.01719										1										
	Long Island City, NY	1	0	250	250	0.00000						1														
	Martinsville, NY	1	0	750	750	0.00000			1																	
17125	Peekskill, NY	1	0	750	750	0.04380			1																	
8020	Saranac Lake	1	0	10	10	0.00125																				1
72763	Troy	1	0	500	500	0.00687										1										
101740	Utica	1	0	150	150	0.00147								1												
	Woodhaven	1	0	500	500	0.00000																				
	Woodside	1	0	100	100	0.00000										1										
17093	Gastonia	1	0	50	50	0.00293															1					
53569	Greensboro	1	0	500	500	0.00933			1																	
32270	Wilmington	1	0	50	50	0.00155															1					
11090	Bismarck	1	0	250	250	0.02254																				
5451	Devils Lake	1	0	15	15	0.00275																			1	
28610	Fargo	1	0	250	250	0.00874										1										
17112	Grand Forks	1	0	100	100	0.00584																				
5037	Mandan	1	0	100	100	0.01985										1										
9543	Bellefontaine	1	0	10	10	0.00105																				
16129	Cambridge	1	0	10	10	0.00062																				1
104906	Canton	1	0	10	10	0.00010																				1
52176	Hamilton	1	0	100	100	0.00192										1										
33525	Mansfield, OH	1	0	50	50	0.00149															1					
29992	Middletown	1	0	100	100	0.00333										1										
68743	Springfield	1	0	500	500	0.00727																				
35422	Steubenville	1	0	50	50	0.00141															1					
5121	Alva	1	0	25	25	0.00488																				
14099	Chickasha	1	0	250	250	0.01773																				
26399	Enid	1	0	50	50	0.00189																				
9603	Norman	1	0	500	500	0.05207															1					
7773	Picher	1	0	100	100	0.01287																				
16136	Ponca City	1	0	100	100	0.00620																				
10349	Astoria	1	0	50	50	0.00483																				
7585	Corvallis	1	0	500	500	0.06592																				
18901	Eugene	1	0	50	50	0.00265																				
11007	Medford	1	0	50	50	0.00454																				
92563	Allentown	2	0	200	100	0.00216																				
82054	Altoona	1	0	100	100	0.00122										1										
20061	Carbondale	1	0	5	5	0.00025																				1
	Elkins Park	1	0	50	50	0.00000															1					
115967	Erie	2	0	60	30	0.00052																2				
	Frankford	1	0	50	50	0.00000															1					
6156	Grove City	1	0	250	250	0.00061																				
80330	Harrisburg	2	0	600	300	0.00747																				
66993	Johnstown	1	0	250	250	0.00373																				
21600	Kingston	1	0	250	250	0.01157																				
59949	Lancaster	2	0	65	33	0.00108																			1	
	Lamoigne	1	0	250	250	0.00000																				
3308	Lewisburg	1	0	100	100	0.00323																				
22075	Oil City	1	0	500	500	0.02265																				
111171	Reading	1	0	100	100	0.00090																				
4450	State College, PA	1	0	500	500	0.11236																				
24545	Washington	1	0	15	15	0.00061																			1	
86620	Wilkes-Barre	2	0	200	100	0.00231																				
	Willow Grove	1	0	50	50	0.00000																				

Most Populated 56 Cities in 1930

Population	City	Total Stations	Total Stations >= 1000 wts.	Total Power	Avg. Power/Station	Power/Capita	Power = 750	Power = 500	Power = 300	Power = 250	Power = 225	Power = 200	Power = 150	Power = 125	Power = 100	Power = 75	Power = 65	Power = 60	Power = 50	Power = 30	Power = 25	Power = 20	Power = 15	Power = 10	Power = 5
114715	San Juan	1	0	500	500	0.00436		1																	
42911	Cranston	1	0	250	250	0.00583				1															
27612	Newport	1	0	100	100	0.00362					1														
77149	Pawtucket	1	0	100	100	0.00130									1										
62265	Charleston	1	0	75	75	0.00120										1									
51581	Columbia	1	0	15	15	0.00029																		1	
4376	Brookings	2	0	515	258	0.11769		1																1	
1657	Dell Rapids	1	0	15	15	0.00905																		1	
410	Oldham	1	0	15	15	0.03659																		1	
3659	Pierre	1	0	200	200	0.05466							1											1	
33362	Sioux Falls	1	0	250	250	0.00749					1														
2850	Vermillion	1	0	250	250	0.08772					1														
10404	Rapid City	1	0	100	100	0.00961										1									
3102	Lawrenceburg, TN	1	0	500	500	0.16119		1																	
5577	Springfield	1	0	150	150	0.02690																			
5865	Union City	1	0	15	15	0.00256								1											
	Whitehaven	1	0	500	500	0.00000		1																1	
119798	Chattanooga	1	0	500	500	0.00417		1																	
43132	Amarillo	2	0	750	375	0.01739		1			1														
53120	Austin	1	0	500	500	0.00941		1																	
57732	Beaumont	1	0	500	500	0.00866		1																	
7589	Breckenridge, TX	1	0	100	100	0.01318										1									
22021	Brownsville	1	0	500	500	0.02271		1									1								
	College Station, TX	1	0	500	500	0.00000		1																	
2271	Dublin	1	0	15	15	0.00661																			
102421	El Paso	1	0	100	100	0.00098										1								1	
52938	Galveston	2	0	600	300	0.01133		1								1									
3583	Georgetown	1	0	100	100	0.02791										1									
1324	Goldthwaite	1	0	50	50	0.03776														1					
12407	Greenville	1	0	15	15	0.00121																		1	
12124	Harlingen	1	0	100	100	0.00825										1									
1432	Richmond, TX	1	0	50	50	0.03492														1					
25308	San Angelo, TX	1	0	15	15	0.00059														1					
52848	Waco	1	0	500	500	0.00946		1																1	
43690	Wichita Falls	1	0	250	250	0.00572					1														
40272	Ogden	1	0	50	50	0.00124																			
24789	Burlington	1	0	100	100	0.00403										1				1					
4943	Springfield, VA	1	0	10	10	0.00202																			
34417	Newport News	1	0	100	100	0.00291										1									1
129710	Norfolk	2	0	600	300	0.00463		1								1									
28564	Petersburg	1	0	100	100	0.00350										1									
69296	Roanoke	2	0	500	250	0.00722						2													
45704	Portsmouth	1	0	500	500	0.01094		1																	
21723	Aberdeen	1	0	50	50	0.00230																			
30823	Bellingham	1	0	250	250	0.00811					1									1					
30567	Everett	1	0	50	50	0.00164															1				
	Lacey	1	0	50	50	0.00000															1				
10652	Longview	1	0	10	10	0.00094																			
3322	Pullman	1	0	500	500	0.15051		1																1	
106817	Tacoma	2	0	750	375	0.00702		1																	
60408	Charleston, WV	1	0	250	250	0.00414						1													
28866	Clarksburg	1	0	65	65	0.00225															1				
	Weirton	1	0	60	60	0.00000															1				
75572	Huntington	1	0	100	100	0.00132										1									
61659	Wheeling	1	0	250	250	0.00405						1													
23611	Beloit	1	0	500	500	0.02118							1												
26287	Eau Claire	1	0	500	500	0.01902							1												
26449	Fond du Lac	1	0	100	100	0.00378										1									
50262	Kenosha	1	0	100	100	0.00199										1									
30614	La Crosse	1	0	500	500	0.01633							1												
57899	Madison	2	0	850	425	0.01468		1								1									
22963	Manitowoc	1	0	100	100	0.00435										1									
672	Poynette	1	0	20	20	0.02976																	1		
67542	Racine	1	0	50	50	0.00074																		1	
39251	Sheboygan	1	0	250	250	0.00637															1				
36113	Superior	1	0	250	250	0.00692																			
	West De Pere	1	0	50	50	0.00000															1				
8609	Laramie	1	0	500	500	0.05808							1												
8674092	Totals	316	0	65790	208	0.00758	7	71	0	49	1	1	6	1	80	1	1	1	48	5	2	2	22	16	2



Population	City	Total Stations	Total Stations >= 1000 wts.	Total Power	Avg. Power/S. Capita	Power = 50000	Power = 30000	Power = 15000	Power = 10000	Power = 5000	Power = 3500	Power = 2500	Power = 2000	Power = 1500	Power = 1000	Power = 750	Power = 500	Power = 300	Power = 250	Power = 225	Power = 200	Power = 150	Power = 125	Power = 100	Power = 75	Power = 65	Power = 60	Power = 50	Power = 30	Power = 25	Power = 20	Power = 15	Power = 10	Power = 5			
6930446	NY (and Brooklyn, Baltimore)	21	6	95300	4541	0.01376	1	1								2		10						1													
3376436	Chicago	15	7	46960	3130	0.01213																															
1659591	Philadelphia	12	1	4150	3461	0.02133																															
1659662	Detroit	7	1	1300	325	0.00083																															
1238048	Los Angeles	4	3	4600	657	0.00372																															
900420	Cleveland	4	2	5500	1375	0.00911																															
821900	St. Louis	8	4	8950	1119	0.01089																															
804874	Baltimore	4	1	5600	1400	0.00598																															
781188	Boston	6	0	2150	358	0.00275																															
669817	Pittsburgh	4	1	51500	12875	0.07689		1																													
634394	San Francisco	6	3	3650	608	0.00575																															
578249	Milwaukee	2	0	750	375	0.00130																															
573076	Buffalo	5	1	6750	1350	0.01178											2						1														
486869	Washington DC	3	0	1150	383	0.00238																															
464356	Minneapolis	4	1	6500	1625	0.01400																															
456762	New Orleans	7	0	1730	247	0.00377																															
451160	Chicagoh	3	0	775	258	0.00172																															
442337	Newark, NJ	4	1	5750	1438	0.01300																															
399746	Kansas City	4	1	2100	525	0.00525																															
365583	Seattle	11	4	6465	588	0.01788											3																				
354161	Indianapolis	2	1	1250	625	0.00343																															
300691	Atlanta	3	1	1700	567	0.00471																															
328132	Rochester	3	1	5285	1755	0.01005																															
316115	Jersey City, NJ	2	0	550	275	0.00174																															
307745	Louisville	1	0	500	500	0.09162																															
30118	Portland	10	3	5915	592	0.01960											2																				
292352	Houston	2	0	505	253	0.00173																															
290718	Toledo	1	0	250	250	0.00086																															
290654	Columbus	4	1	6050	1513	0.02082											1																				
287961	Denver	6	1	6350	1058	0.02206																															
284933	Oakland	5	1	6750	1350	0.02376																															
271606	St. Paul	0	0	0	0	0.00000																															
260475	Dallas	3	0	1500	500	0.00576																															
256878	Birmingham	2	0	290	130	0.00100																															
256040	Akron	2	1	1500	750	0.00588																															
253143	Memphis	5	0	725	145	0.00288																															
252981	Providence	2	0	1000	500	0.00395																															
231542	San Antonio	6	2	7385	1231	0.03189																															
214006	Omaha	2	1	1500	750	0.00701																															
205236	Syracuse	2	0	1250	625	0.00507																															
200682	Dayton	1	0	200	200	0.00100																															
195311	Worcester, MA	1	0	250	250	0.00128																															
185380	Oklahoma City	4	1	1250	313	0.00674																															
183296	Richmond	4	1	1130	283	0.00618																															
179002	Youngstown, OH	1	0	50	50	0.00029																															
168592	Grand Rapids	2	0	750	375	0.00445																															
164072	Hartford	1	0	500	500	0.00305																															
163447	Fort Worth	3	2	6050	2017	0.03702																															
162655	New Haven	1	0	500	500	0.00307																															
156492	Ft. Lauderdale	1	0	100	100	0.00064																															
153869	Nashville	3	3	11000	3687	0.07149																															
149900	Springfield, MA	1	1	15000	15000	0.10007																															
147995	San Diego	2	0	600	300	0.00495																															
146716	Bridgport, CT	0	0	0	0	0.00000																															
143433	Scranton	2	0	500	250	0.00349																															
142556	Des Moines	1	1	5000	5000	0.03507																															
142032	Longbeach, CA	2	1	1100	550	0.00774																															
141268	Tulsa, OK	1	1	1600	1600	0.00708																															
140267	Salt Lake City, UT	2	1	1100	550	0.00784																															
138513	Paterason, NJ	1	1	1000	1000	0.00722																															
137682	Honolulu	2	0	750	375	0.00545																															
129710	Norfolk	2	0	600	300	0.00483																															
128549	Jacksonville, FL	1	1	1000	1000	0.00772																															
123356	Trenton	1	0	500	500	0.00406																															
121857	Kansas City, KS	1	0	50	50</																																







Population	City	Total Stations	Total Stations >= 1000 wfs.	Total Power	Avg. Power/Station	Power/Capita	Power = 50000	Power = 30000	Power = 15000	Power = 10000	Power = 5000	Power = 3500	Power = 2500	Power = 2000	Power = 1500	Power = 1000	Power = 750	Power = 500	Power = 300	Power = 250	Power = 225	Power = 200	Power = 150	Power = 125	Power = 100	Power = 75	Power = 65	Power = 60	Power = 50	Power = 30	Power = 25	Power = 20	Power = 15	Power = 10	Power = 5		
	Woodside	1	0	100	100	0.00000																			1												
	Elkins Park	1	0	50	50	0.00000																															
	Frankford	1	0	50	50	0.00000																															
	Lamoyne	1	0	250	250	0.00000																															
	Willow Grove	1	0	50	50	0.00000															1																
	Whitehaven	1	0	500	500	0.00000																															
	College Station, TX	1	0	500	500	0.00000																															
	Lacey	1	0	50	50	0.00000																															
	Wairton	1	0	60	60	0.00000																															
	West De Pere	1	0	50	50	0.00000																															
	Hollywood, CA	4	1	2250	563	0.00000																															
	Duport, CO	1	1	1000	1000	0.00000																															
	Mooreshead, IL	1	1	5000	5000	0.00000																															
	Kennonwood, LA	1	1	3500	3500	0.00000																															
	Fridley, MN	1	1	1000	1000	0.00000																															
	Waukegan, MN	1	1	1000	1000	0.00000																															
	Rosaville, NY	1	1	1000	1000	0.00000																															
	Mount Vernon Hills, VA	1	1	10000	10000	0.00000																															
	Brookfield, WI	1	1	1000	1000	0.00000																															
42983615	Totals	617	117	618855	1003	0.01440	3	1	2	1	38	2	5	5	2	58	12	140	1	82	1	4	8	1	116	1	1	1	1	69	6	3	3	29	19	3	