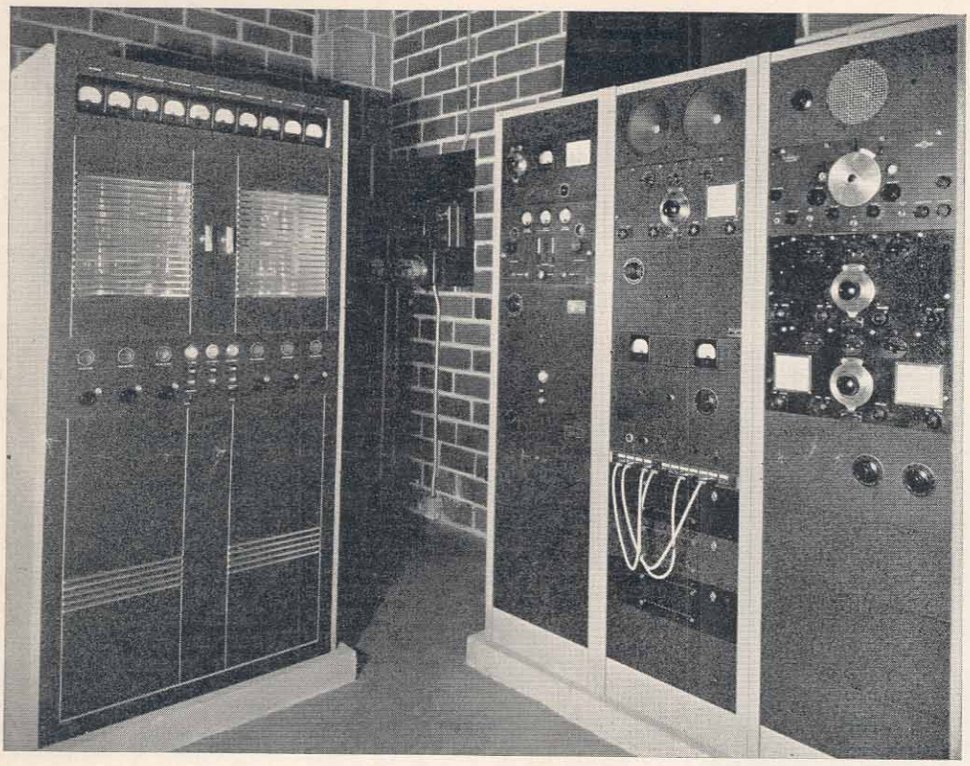


Kilowatt phone transmitter and receiver, speech and frequency measuring racks at KGHO, Radio Communications Division, Iowa Department of Public Safety, Des Moines.

forward to the Secretary at once the names of those chiefs who have sent representatives to at least three APCO conventions.

Graybar representatives Mc Curdy and Henges visited the office of the Editor recently. The general trend of police communications and plans of Western Electric to furnish equipment suited to the needs of police communication agencies were subjects of discussion. Increased activity of manufacturers toward producing specialized police equipment is encouraging.

Illinois—In April a meeting of the Chicago Area Communications Organization was attended by representatives of the Illinois State Police. This organization in the greater Chicago area is composed of some 75 or more cities and counties which employ radio, either one-way or two-way communication systems. A complete arrangement has been worked out wherein a secondary net control has been established throughout the North Shore area, extending as far north as Racine, Wisc., in contacting the Illinois State Police Radio System to handle police business originating in this territory. By reason of the extreme congestion, this has been a major problem and has been met successfully by the hearty cooperation of all the interested parties. This group should by all means become a chapter of the APCO.

Extensive changes in radio net in Illinois are contemplated during the next three months. Effective May 15, a major item was the striking out of the summaries and substituting in lieu thereof a daily printed bulletin which will be mailed to the various police departments, sheriffs' offices and other law-enforcing agencies. This is another step in the direction of standardization of systems. The bulletin follows closely the set-up now used by the Indiana State Police.

Many requests are received from time to time by Illinois for a copy of the Operators' "Ten" Signals. Since it may be possible that other departments would like to use the signals, this list is included, as follows:

10— 1	Receiving poorly.
10— 2	Receiving well.
10— 3	Stop transmitting.
10— 4	Acknowledgement.
10— 5	Relay.
10— 6	Busy.
10— 7	Out of Service.
10— 8	In service.
10— 9	Repeat.
10—10	Next message number.
10—11	What is correct time?
10—12	We have CW traffic.
10—13	Advise weather and road conditions.
10—19	Station report — satisfactory.
10—21	Officials or visitors present.
10—31	Frequencies will be checked this date.
10—33	Operator on duty.

Texas—Aubrey Childers, Radio Supervisor at Denton, Texas, reports that he and Chief of Police O. C. Pass, are planning to attend the APCO Convention in Kansas City in October.

Denton has a 100-watt phone transmitter using two 803s in push-pull in the final, suppressor grid modulated. Plans are being made to erect a 137-foot wind charger tower on the roof of the city hall to obtain better coverage throughout the county. Some interference is experienced in certain parts of the area from other stations operating on 1712 kcs. The radiotelegraph transmitter consists of a 6L6G oscillator driving a single 803 running 320 watts input. There are nine separate oscillator tank circuits and nine crystals. Three single-wire feed Hertz antennas are used for the radiotelegraph transmitter.

Childers has designed and constructed a frequency monitor whose accuracy he finds all that is to be desired. It includes a 100 kc. oscillator calibrated by zero beat on WWV and a 10 kc. multivibrator used to calibrate a stable electron-coupled oscillator at the frequency to be measured. Accuracy on any of their frequencies, he says, is within 100 cycles.

Illinois—Winnetka, Kenilworth, Glencoe and Highland Park, located along the Lake Front near Chicago, all operate on 35.9 megacycles and work in close cooperation among themselves and with the Illinois State Police. Because of their proximity all stations are in constant contact with each other and in case of breakdown the calls of that station are handled by one of the others. At Winnetka a Stromberg time stamp is wired to indicate time on air and the tape is used as the log. Winnetka has three cars, RCA two-way equipped. LaVerne Halbert, Radio Supervisor at Winnetka, reports with the foregoing information and says he hopes to see all members at the Kansas City Convention.

California—KADJ, the station of the California Highway Patrol at Sacramento, is at present being moved from the Motor Vehicle building to a location approximately eleven miles west of Sacramento. The control point will remain in the Motor Vehicle

