Facsimile Printer Is Offered by RCA

Carbon System Features Both Line and Black and White

RCA MFG. Co., Camden, announce Dec. 13, that it is ready to offer to broadcast stations on an outright sale basis its carbon line system, which features half-tone reproductions of photographs as well as text in black and white. The equipment as such was developed by Charles J. Young, RCA engineer. It is to be used in conjunction with the various shades of gray between the extremes of black and white on a roll of white newsprint that is 6 inches wide at the rate of about 4,000 to 4,000 words per minute, or 65 to 75 words per minute. This speed is based upon the use of 10 point type. Use of smaller type is not recommended by RCA.

Half-tone Equipment

Because reproduction of high-quality half-tone pictures is said to be especially difficult, RCA has included compensated amplifiers with each standard scanner for the first time, along with a complete and especially designed radio receiver chassis in the receiver-reorder units. The transmitter will be available in two different chassis, one covering the standard 550 to 1600 kc. broadcast band and the other for operation in the 30 to 41 mc. ultra-high frequency band. Either of these receiver chassis can be installed in the standard recorder cabinet.

Two designs of carbon recorders have been made by RCA, one quite elaborate which automatically cuts the paper into pages 12 inches long and deposits them in a tray, the other a more simple design which does not cut the strip of paper into pages. The machine is the simplest design recorder which will be placed on the market by RCA at this time. It is felt that for the purposes of initial installations by stations the apparatus in the future should be as simple and inexpensive as is consistent with reproduction of good-quality pictures.

The scanner equipment includes scanner mechanism, a compensated line amplifier and a regulated power supply, together with a time clock and a 6-hour record for each of the transmission periods accurately. The equipment delivers a level zero signal at 560 ohm line and can be connected in a variety of convenient ways, such as in a news room, special studio or newspaper office. The audio output of the scanner can be used to modulate any standard broadcast transmitter.

Samples of RCA Facsimiles

...FCC Facsimile Grants

Four Stations Are Given

RCA VISUAL VANS DELIVERED TO NBC

AMERICA'S first mobile television unit, consisting of two vans the size of large buses, was delivered to NBC on Dec. 12 by RCA MFG. Co., from its Camden factory. Delivery ceremony was broadcast as part of RCA's Magic Key program. NBC plans to use the new equipment for demonstrating television in parades, sports events, and other out-of-doors spectacles.

In one van are the synchronizing generators, the rectifiers for supplying Iconoscope beam voltages, amplifiers, and all other apparatus necessary for picking up both sight and sound, as well as a control room in which engineers can see what the broadcast is in the car, and switch on camera to the other. These two Iconoscope cameras are connected to the car by several hundred feet of coaxial cable.

The second van connected to the first by 500 feet of cable, houses the picture transmitter, to operate on a frequency of 177,000 kc., with a power output of 500 watts, a distance of 95 miles from which the pictures will be relayed by micro-wave to the transmitter in New York-State Building for rebroadcast. Principal apparatus here is the radio frequency unit which generates the carrier wave for picture signals and the modulating apparatus for imposing picture signals on this carrier. Because of the great amount of heat generated by the large vacuum tubes in television, this van is fitted with a heavy-duty cooler for the tubes and an air-conditioned unit for the engineers.

KGAR, Tucson on CBS

KGAR, Tucson, will become a CBS outlet on Dec. 31, available as a "bonus" station for all CBS announcers purchasing time on KOY, Phoenix. Sustaining programs of the network will also be broadcast by KGAR, fed through KOY. Both stations are members of the Arizona Network, which also includes KSUN, Lowell.

Alsweet's List Now 40

SWIFT & Co., Chicago (Alsweet margarine), has added two Vermont stations carrying spot announcements of their advertising. The list now close to 40 stations are WDEV, Waterbury, and WQDM, St. Albans. Walter Thompson Co. Chicago, is the agency.

KING GEORGE VI's Christmas message to the Empire will be broadcast over the combined Blue and Red Net¬works by the National Telecasting Company on Christmas Day. December 25, King George will begin and end in 10 a.m. (EST) from his castle at Sandringham, just outside of London.

Labor Pains

TECHNICIANS at WINS, New York, have signed 100% with IBEW, the union reported, announcing their organization by A.F.R.A. While these unions are organized in the station by the American Federation of Musicians, they will operate on the "unfair" list by AFM Local 802 pending negotiations on a new contract, and the AFM was picketing WINS Dec. 13.

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