

Equipment

RCA MFG. Co. has announced a new 5 kw. deluxe transmitter identified as 5-DX in an elaborate brochure released in mid-April. Claiming a number of exclusive new features, the transmitter is modernistic in appearance and "streamlined", being functionally styled and especially adapted to air-conditioning. It includes a "finger-tip" control console and uses air-cooled metal-anode tubes.

THAT Kansas State College of Agriculture & Science, Manhattan, Kan., pioneer television experimenter, intends to abandon the lower shortwave visual band and turn to the ultra-high frequencies, was indicated in an application filed with the FCC to change its W9XAK from 2000-2100 kc. to 42000-56000 kc. and reduce power from 125 to 100 watts. The only other licensees of the 2000-2100 band are W9XK of the University of Iowa, which also operates on the ultrahighs, and W9XG of Purdue U.

A NEW phase monitor (2-A) to facilitate the adjustment of directional antenna arrays, developed by Bell Laboratories, is announced by Western Electric Co. The device, designed to permit stations using directionals to correct phase relationship and magnitude of radio frequency current in each antenna tower, will provide a basis for determining the radiation pattern of the station, it was said. The monitor weighs 43 pounds and mounts on a standard rack, measuring 15½" high by 7½" deep. Internal parts are mounted upon a steel panel. It employs four vacuum tubes, all of which operate 25% below normal ratings.

MUSICRAFT Records Inc., 10 W. 47th St., New York, has issued a folder describing its new line of Duralite instantaneous recording blanks, together with price list.

ALLEN B. DuMONT Laboratories, Passaic, N. J., announces two new cathode ray tubes for television use. One is a five-inch intensifier type, 54-11-1, with or without intensifier electrode. The second is a nine-inch electron type, 94-11-1C, made only with the intensifier electrode. Both have black and white screens.

RAY SCHROEDER, chief engineer of KMA, Sheuandoh, Ia., has completed a 14-page brochure on engineering standards, supplementing the manual of practice developed by Owen Saddler, production manager.

KFRO, Longview, Texas, has purchased a Gates GR remote conditioner to use in play-by-play broadcasts of baseball games, and an RCA 77B uni-directional microphone for studio use.

GREEK government has invited American manufacturers of radio broadcasting equipment to submit proposals for installation of a 10 kw. station at Salonika and a 5 kw. station at Jannina, according to a report to the Commerce Department from the American commercial attache at Athens. The proposed stations are to be used to relay programs from the 15 kw. station at Athens which has been operating since the middle of 1938. The Greek government desires that quotations list separately the cost of the survey in connection with construction and installation charges.



FITTING UP a "50" is the subject of conversation between Charles Topmiller (left), WCKY chief engineer and Joseph A. Chambers, of McNary & Chambers, Washington consulting engineers. They are looking over plans for WCKY's new 50,000-watt RCA transmitter, now being installed, and expected to be ready for operation this summer. Mr. Chambers is consulting engineer supervising installation of the Cincinnati outlet.

DuMont Plans to Build New Television Stations In New York, Washington

WIDENING of its proposed television activities was indicated by Allen D. DuMont Laboratories, Inc., Passaic, N. J., in applications with the FCC April 8 asking for new stations in Manhattan and Washington. At the same time, DuMont asked that its W2XVT at Passaic be authorized to add the 60,000-86,000 band and increase both its sight and sound power to 5,000 watts.

The applications ask for 1,900 watts on 60,000-86,000 kc. for a transmitter at 515 Madison Ave., New York, and for 1,000 watts on 42,000-56,000 and 60,000-86,000 kc. at 14th & F Streets in Washington. In addition an application was filed for a portable mobile television transmitter of 50 watts power, using the 60,000-86,000 and 156,000-162,000 kc. bands.

The DuMont organization, hitherto primarily engaged in the manufacture of cathode ray tubes, has the capital backing of Paramount Pictures.

Television Is Not Ready, Zenith Informs Dealers

COMDR. Eugene F. McDonald Jr., president of Zenith Radio Corp., on April 7 addressed a notice to 60,000 radio dealers throughout the country in which he reiterated his view that television is not ready for the public since "even Government television standards are not yet established".

Comdr. McDonald asserted that Zenith's visual station, W9XZV in Chicago, is already operating daily as the only FCC licensed television outlet in the Chicago area. "Today Zenith's television receivers are loaned, not sold," he added. "Zenith is ready—but television is not . . . Zenith believes it is unfair to the public and knows it is unfair to the dealers to ask them to finance the television industry's experiments. Radio dealers have been penalized and punished by premature television publicity starting last fall. Prospects were led to believe that television would cover the country overnight. Zenith will not break faith with its dealers. When Zenith believes television is ready for general use in the store and the home, Zenith will supply you with television receivers and not before."

Zenith's Television

CHICAGO'S first high definition television broadcast was transmitted March 30 from the television studios of Zenith Radio Corp. over W9XZV. Receiving sets of the firm's officials were located within a radius of 12 to 15 miles from the transmitter atop the Zenith plant at 6001 Dickens Ave. The quarter-hour program featured the *Hoosier Sod-Busters* of WLS, Chicago, with Don Kelley of WLS as m.c. According to J. E. Brown, chief television engineer of Zenith, the 41-line transmission was highly successful. Zenith will not televise on a regular program schedule, but will continue its experiments, he said.

WGN, Chicago, estimates that a million persons have visited its studios since the preview on Sept. 22, 1935. Studio One of the half-million dollar Gothic structure seats 588.

New Television Station Is Planned by Don Lee

DON LEE Broadcasting System, Los Angeles, will erect a television station on one of the highest peaks overlooking Hollywood if a deal now in negotiation is consummated. Thomas S. Lee, president, on April 10 revealed plans for the construction of a new transmitter on a 20-acre site above Hollywood, in the Hollywoodland hills. The peak, with an elevation of 1,700 feet, is second highest in the Los Angeles area. Negotiations for the Rancho Providencia acreage, also known as the Mack Sennett estate, are being carried on by Lewis Allen Weiss, vice-president and general manager of Don Lee.

Don Lee network is operating W6XAO, its television transmitter, on a five-day weekly schedule and has been carrying on experimental activity in Los Angeles for nine years. Effective radius of coverage is estimated at more than 30 miles. It is estimated there are more than 150 television receivers, many of them assembled by amateurs, in the Los Angeles area.

FIRST non-radio concern to apply to the FCC for a television construction permit is the May Department Stores Co., Los Angeles, which seeks a 1,000-watt outlet to operate in the 60,000-86,000 kc. band.

KALORAMA Laboratories Inc., 168 Coit St., Irvington, N. J., has applied to the FCC for a 500-watt television station, visual only, to operate in the 2,000-2,100 kc. band.

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