

CUSTOM BUILT DESK TYPE

Studio

SPEECH INPUT EQUIPMENT

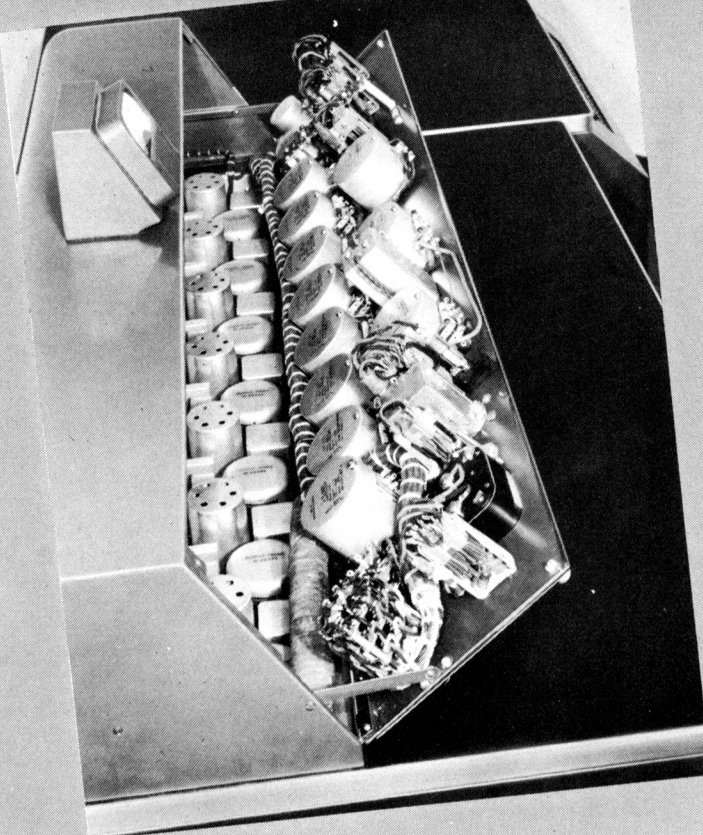
PROVIDES FULLEST RANGE
AUDIO FREQUENCY FACILITIES
FOR BOTH FREQUENCY MODULATION
AND AMPLITUDE MODULATION
RADIO BROADCASTING

- 1** Designed, constructed and tested as a complete audio frequency system for radio broadcasting, conforming to Federal Communications Commission's Standards of Good Engineering Practice for both Standard and High Frequency (FM) Broadcast Stations.
- 2** Ease of Installation—One compactly assembled and wired unit—All incoming connections except AC supply made at small terminal panel at one end of desk.
- 3** Ease of Operation — Number of controls reduced to fundamental requirements and all in convenient reach of the operator.
- 4** Ease of Maintenance and Inspection — Utmost accessibility to all apparatus and wiring.

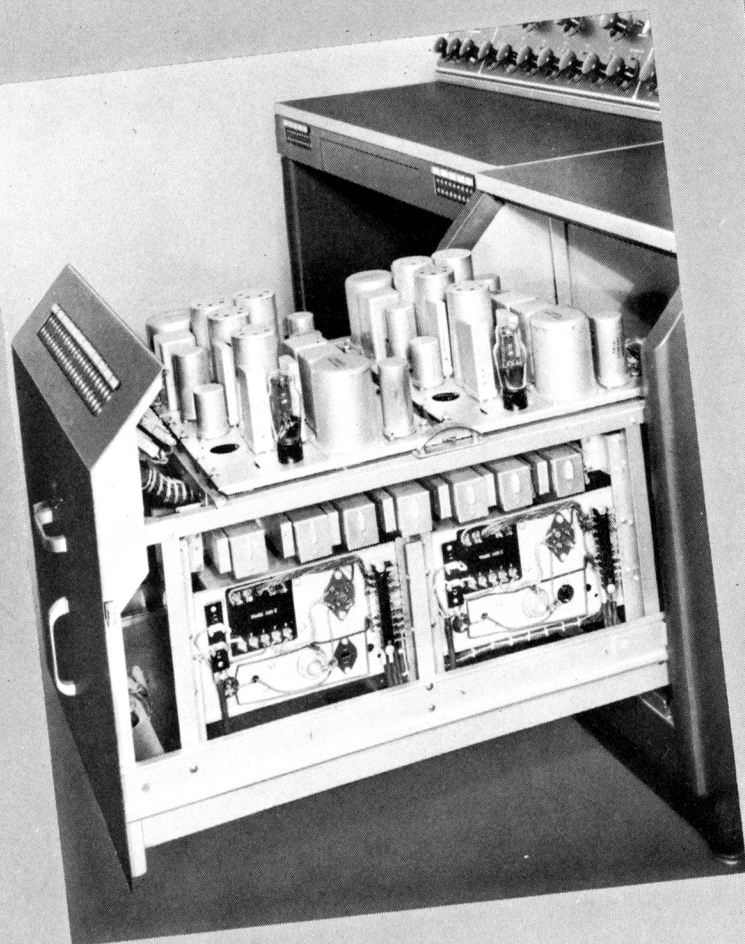
Western Electric

SPEECH INPUT - CUSTOM BUILT

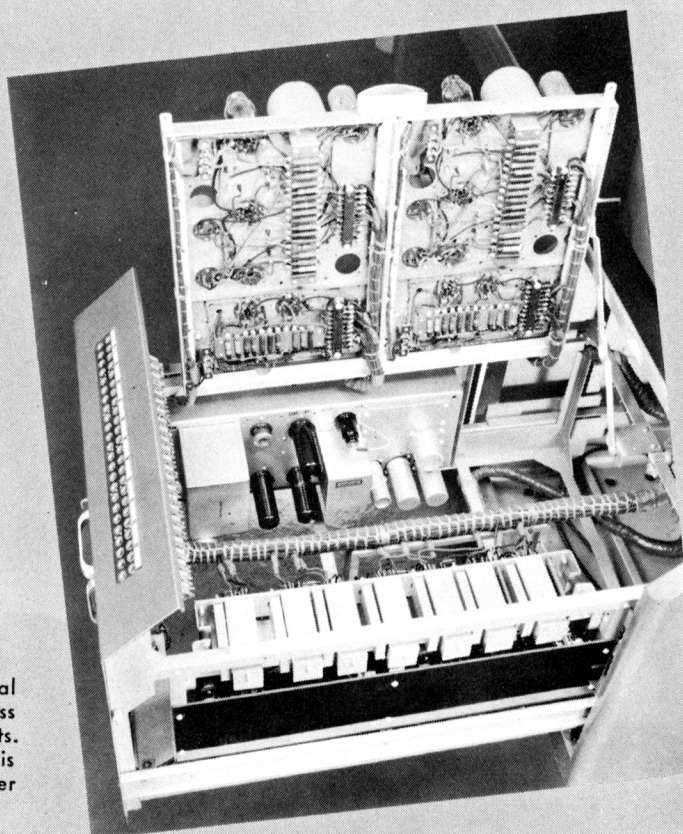
By simply releasing a thumb screw at each end, the face panel of the control cabinet may be swung outward, completely exposing the rear of the panel to facilitate maintenance of potentiometers and keys and for ready replacement of vacuum tubes in the pre-amplifiers.



Two 120A Booster Amplifiers and two 121A Line Amplifiers are mounted in the top of the pedestal drawer. A row of relays, resistances and condensers, together with two 18A Rectifiers, are assembled in the lower section. A row of patching jacks is mounted on the sloping face panel.



The upper section of the pedestal drawer may be raised for free access to the wiring and circuit components. A 124A Monitoring Amplifier is shown directly under the raised upper section.



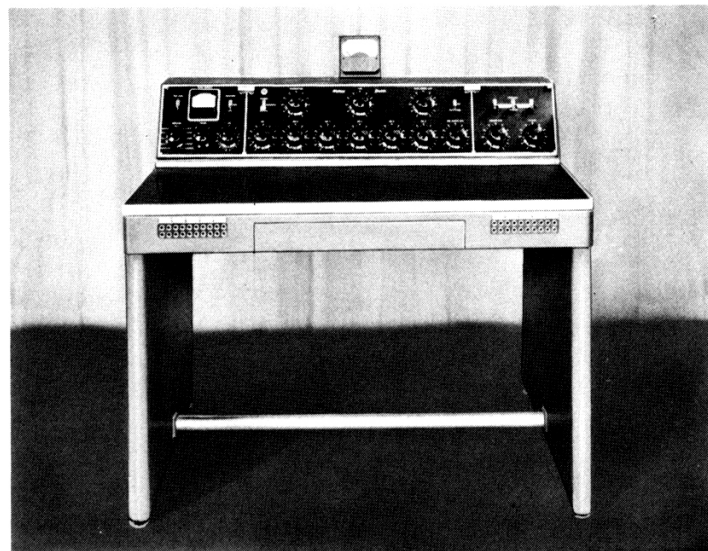


Table unit alone housing pre-amplifiers and control circuits for use in control rooms where space is limited or where for other reasons the main amplifier channels are to be located separately.

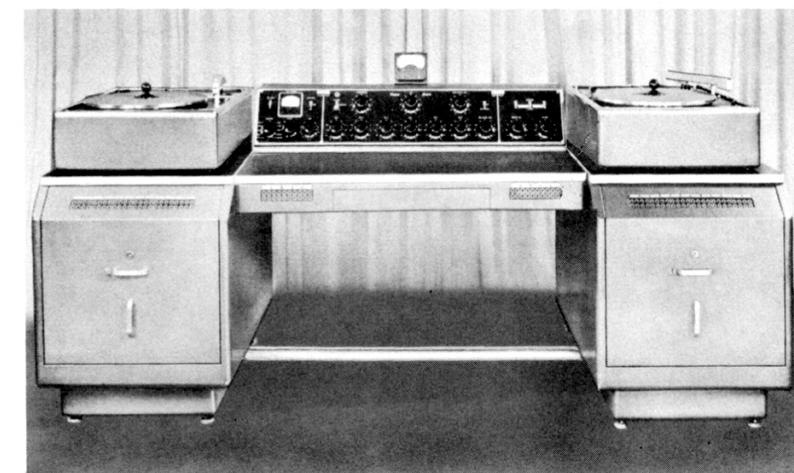
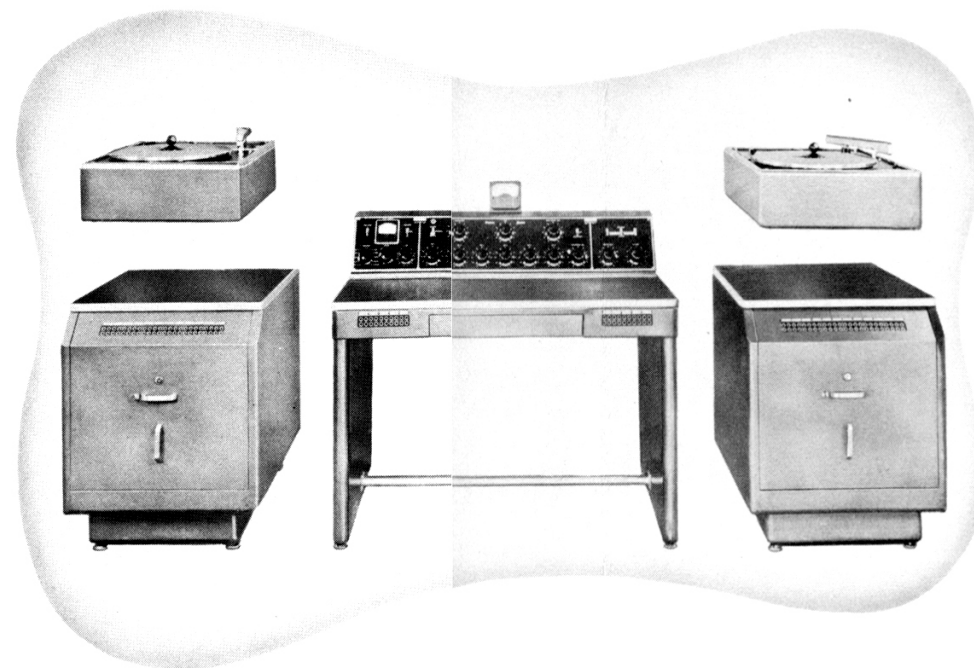


Table unit with pedestal and turntable at each end. This assembly together with a separate power supply cabinet will take care of elaborate studio installations requiring large amounts of equipment — even when all equipment space within the two pedestal units is not required, it is a desirable arrangement for systems requiring two turntables.

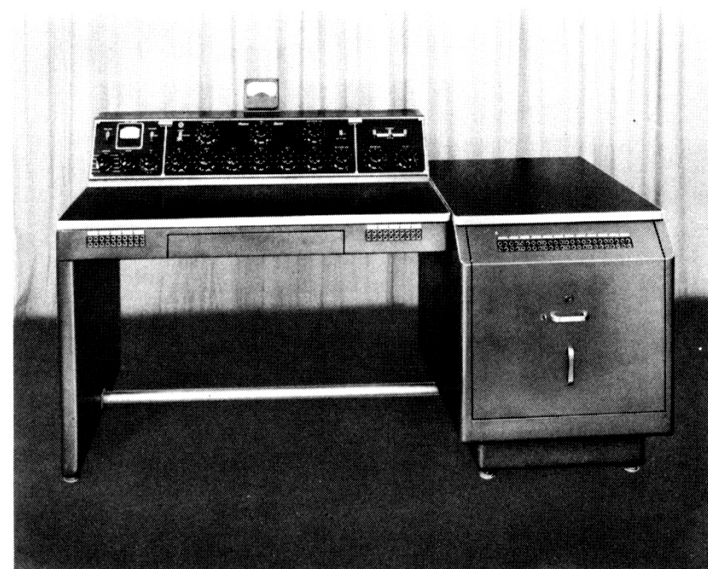
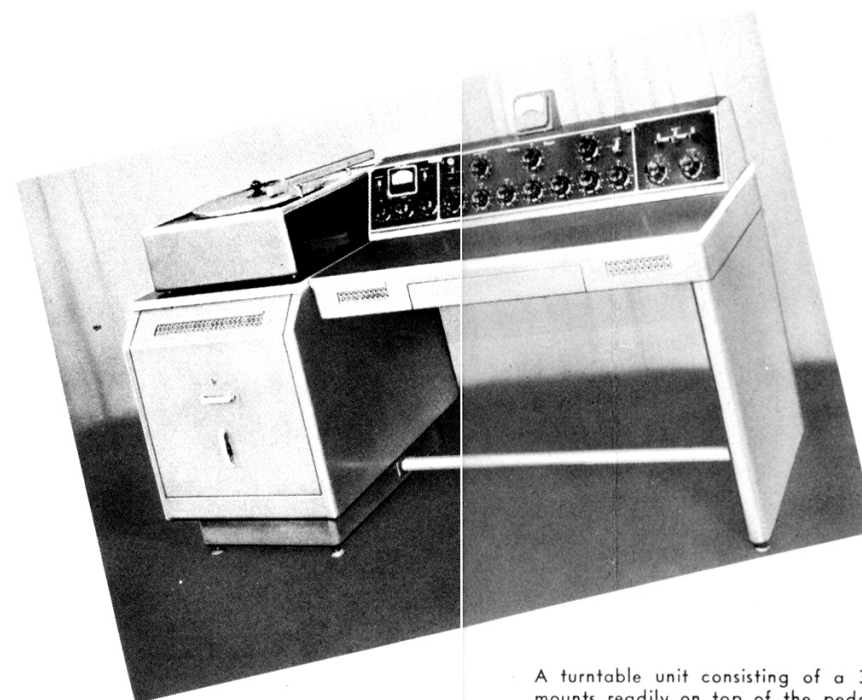
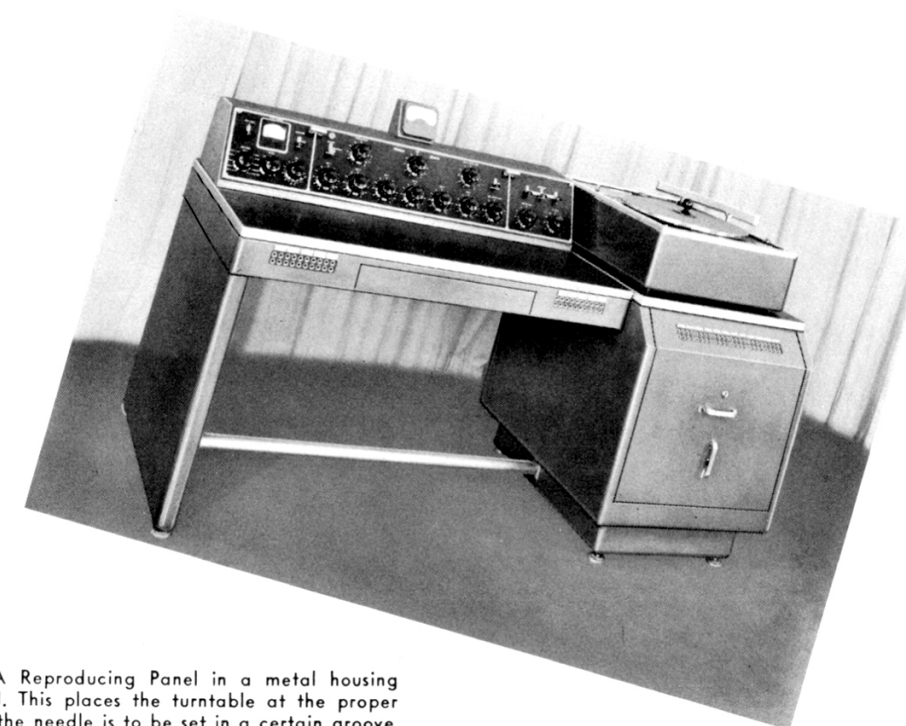


Table unit with pedestal on right housing main amplifier channels and accessory equipment. Sufficient space is available in these two units, plus an auxiliary power supply cabinet, for a complete two channel studio speech input system, suitable for many installations.



A turntable unit consisting of a 300A Reproducing Panel in a metal housing mounts readily on top of the pedestal. This places the turntable at the proper height for convenience in cueing when the needle is to be set in a certain groove.



The equipment arrangements shown in the illustrations, are typical. Because of the flexibility inherent in the basic design, many different arrangements are practicable, using various combinations of Western Electric's new compact, 120A, 121A and 124A Amplifiers, which were especially designed to provide highest quality audio frequency facilities.

Western Electric

• • • presents custom built, desk type speech input equipment, adaptable either for FM or for AM radio broadcasting installations. Developed by Bell Telephone Laboratories, this equipment typifies full coordination of a complete audio frequency system design with that of Western Electric broadcast transmitters to achieve outstanding overall performance. The equipment can be furnished in the standard functional arrangements or both the amplifier complement and number and type of controls may be varied to suit an individual station's specific requirements.

- 5** Highest quality overall performance and dependability assured by:
 - a. Amplifier and other circuit components designed for uniform transmission over a 30 to 15,000 cycle audio range.
 - b. Negligible distortion due to proper design and ample proportioning of circuit elements.
 - c. Excellent signal-to-noise ratio. Better than 60 db unweighted.
 - d. Freedom from operating interruptions. Standard amplifiers and switching flexibility for quick interchange of components.
 - e. Use throughout of highest grade tested apparatus components.
 - f. Stabilized feedback.
 - g. Compact assembly and careful factory controlled equipment and wiring arrangement.
- 6** Beauty of Design — harmonizing with the design trend of modern studio furniture. Matching chair and production table available.
- 7** Compactness — reduces space occupied by equipment to the minimum.
- 8** Low Height — provides operator and production men maximum visibility of studio performers.
- 9** Rugged, rigid steel construction throughout; adequate shielding of circuits from outside interference.
- 10** Non-glare finish — Special desk top of cigarette burn-resisting material is available.
- 11** Mushroom type mixer knobs designed to fit the hand. These knobs have skirts and raised pointers to facilitate finger-tip control.
- 12** Flat type key handles with concave finger surfaces available in five colors including black — attractive in appearance and easy to operate.
- 13** Operation from 110 volt, 50-60 cycle, A.C. power supply.

FOR FURTHER INFORMATION

For further information regarding this Custom Built Desk Type Studio Speech Input Equipment and other Western Electric Speech Input Equipment or accessories, you are requested to address any Western Electric Distributor listed on the outside back cover of this bulletin.



In one of WOR's New York Studios, the Desk Type Speech Input Equipment has been installed to provide audio facilities for FM Broadcasting.

LIST OF DISTRIBUTORS

DISTRIBUTOR IN THE UNITED STATES

Graybar
ELECTRIC COMPANY

General Offices: 420 Lexington Avenue, New York, N. Y.

A NATIONAL ELECTRIC SERVICE

GENERAL DISTRIBUTOR FOR CANADA AND NEWFOUNDLAND

Northern Electric Company
LIMITED

General Offices and Plant: 1261 Shearer Street, Montreal, P. Q.

TWENTY-ONE BRANCHES FROM COAST TO COAST

DISTRIBUTOR IN OTHER COUNTRIES

International Standard Electric Corporation

67 Broad Street

New York, U. S. A.

Offices in all principal cities