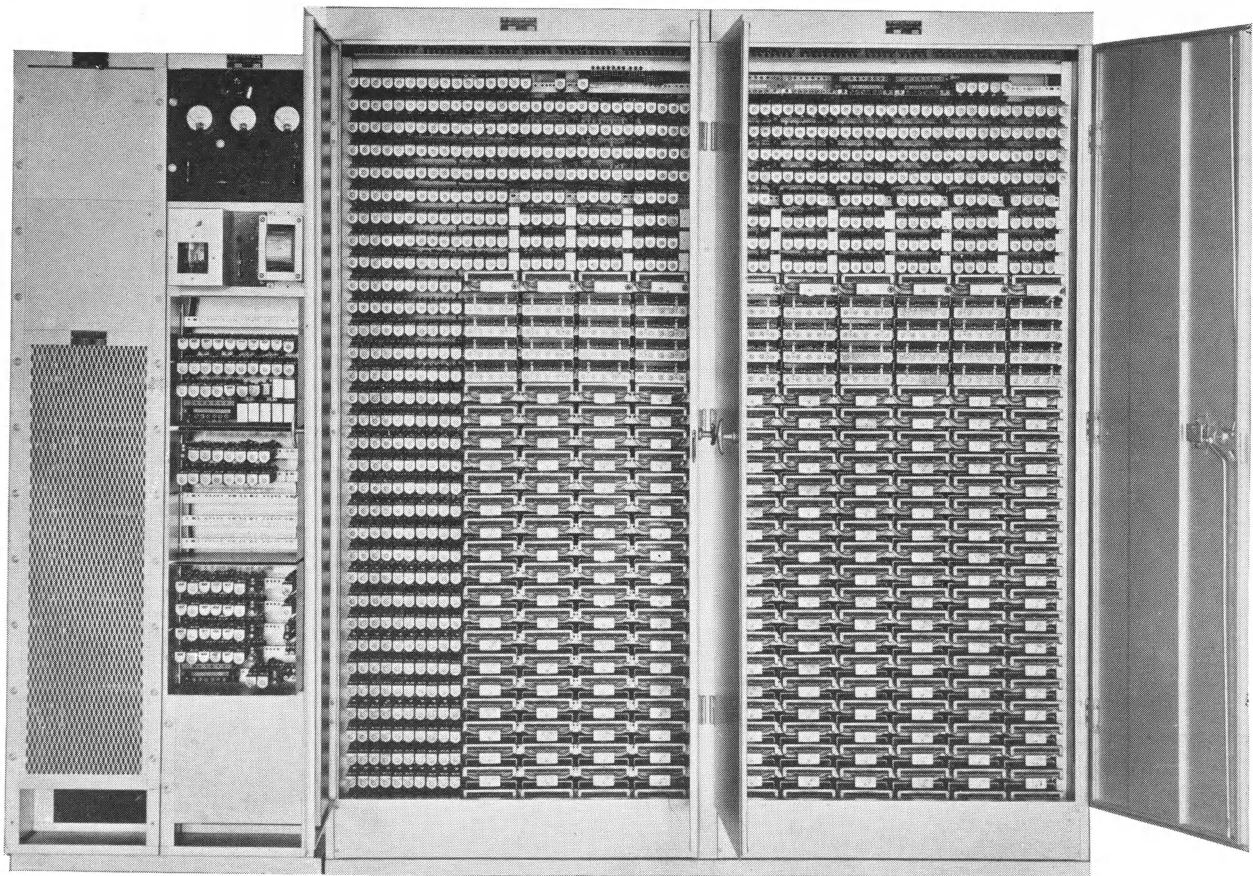


NORTH "ALL-RELAY"

AVAILABLE IN ALL SIZES



100-LINE "ALL-RELAY" SWITCHBOARD

CAPACITY—From 50 to 100 lines may be equipped initially and additions made within this capacity as required. The capacity may be increased to 1,000 lines by the use of selectors.

HOUSING—The switchboard and power panel are assembled in two units occupying together about nine square feet of floor space.

TELEPHONES—All types of dial instruments may be used including local battery sets converted by the simple addition of a dial and a condenser. Local battery and common battery telephones may be used on the same line.

INSTALLATION—The exchange is shipped in two units completely assembled, tested and ready for service. Installation in the field consists in interconnecting the two units, soldering line cable to M.D.F. and connection of power supply.

POWER—The power is supplied by a 48-volt battery maintained in constant float by means of a North self-regulating copper-oxide battery charger built into the power panel.

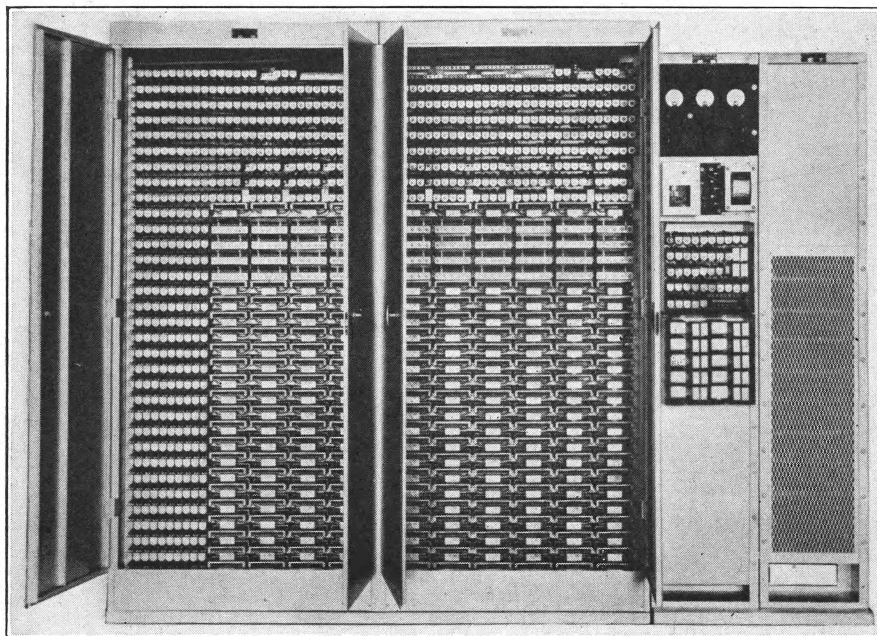
RINGING—All types of ringing are available including 10 and 20 party code ringing, harmonic or synchrononic, selective and semi-selective service.

TRUNKS—Trunks from "All-Relay" exchanges to other switchboards may be of any desired type. Ring-down or common battery trunks may be supplied for physical circuits and composite or AC dialling for phantom circuits.

OUTSIDE PLANT—Both grounded and metallic circuits may be used. Line leakage within the limits of ability to talk and ring will not interfere with the reliable operation of the switchboard.

THE NORTH ELECTRIC MANUFACTURING CO. . . GALION, OHIO

FLEXIBILITY



200-LINE NORTH "ALL-RELAY" SWITCHBOARDS

The North "All-Relay" type 200 switchboard is designed on a 200-point selection basis employing "All-Relay" line-finders and connectors having direct access to an ultimate of 200 lines, without intervening selectors.

This arrangement provides maximum flexibility of equipment, since the switchboard may be equipped initially with, for example, 70 or 80 lines, and additions made in easy stages of 10-line groups up to 200 lines.

A minimum capital investment is thus incurred initially by the operating company. At the same time provision has been made for future expansion of the switchboard on an economical basis.

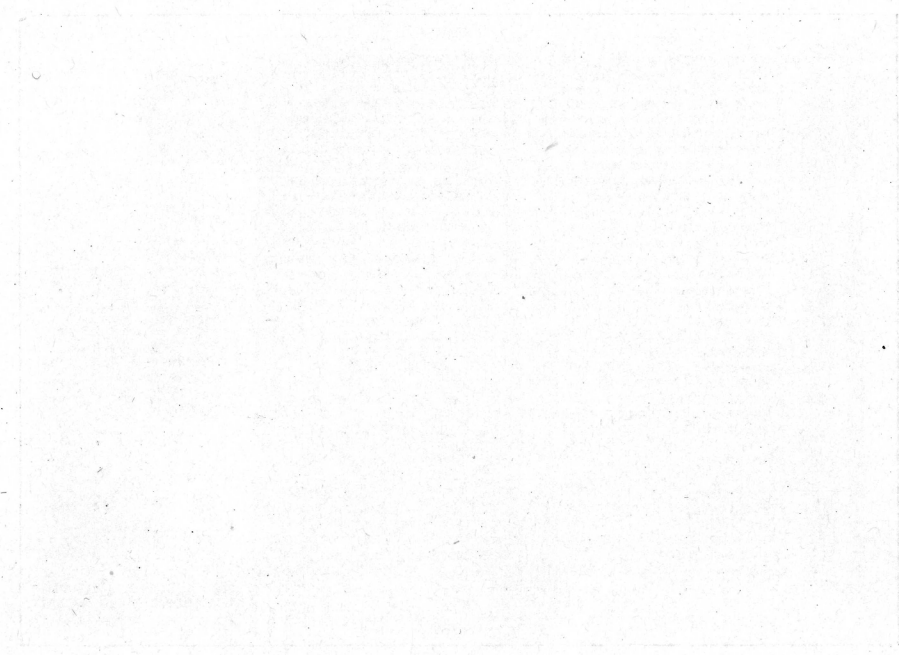
The CX-200 type switchboard is just one more example of the extreme flexibility of "All-Relay" equipment and the lengths to which the North Company's engineers have gone in order to provide telephone equipment which will be of maximum benefit to the operating companies.

Both grounded and metallic lines may be served with this equipment without requiring the use of costly magneto line adapter equipment.

Any desired features such as special pay-station service, loop or simplex dialling on physical circuits, and A.C. or composite dialling on phantom circuits may be supplied with North "All-Relay" switchboards.

THE NORTH ELECTRIC MANUFACTURING CO.
GALION, OHIO

THE EXHIBIT



FOOTNOTES

1. The first footnote is located at the bottom left of the page. It contains a single line of text that is mostly illegible due to fading. It appears to start with "The first footnote..." followed by some text that is difficult to discern.

2. The second footnote is located at the bottom right of the page. It also contains a single line of text, which is similarly faded and illegible. It appears to start with "The second footnote..." followed by some text that is difficult to discern.