

**Northern Electric**  
COMPANY LIMITED

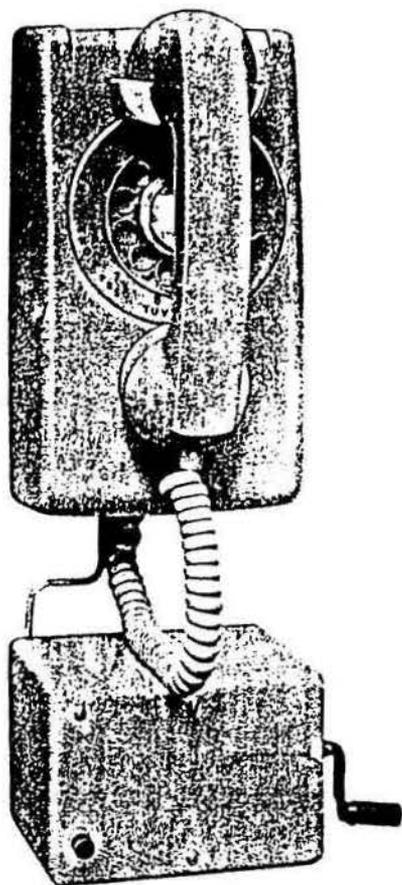
PMB-6202

## NEW RURAL TELEPHONE SETS

554Q2A, 554Q3A, 554Q4A, and 554Q5A

To keep pace with the times, we are revamping our Magneto Telephone Sets. (Shown below is an engineering model of the 554Q2A).

The new Rural Telephones are "metropolitan" in design, yet retain the traditional quality and dependability demanded for this type of installation. They are designed to meet the increased demand for additional sets in rural homes.



JULY, 1962

### FEATURES:

- Colour compatibility to suit the decor of the individual rooms; comes in all colours presently available in the Standard #500 Sets.
- Readily convertible to common battery operation by replacement of the network and ringer and by elimination of the hand generator.
- With the exception of the ringer and network, nearly all items are standard parts used in the 554BR Wall Sets. This assures the continuing availability of a full supply of replacement parts.
- The design of the 554Q2A and 554Q4A enables the customer to install up to twenty units on a well maintained 30 mile open wire line using #12 gauge iron wire. (Twenty-five 554Q3A or 554Q5A may be used under the same conditions).

PRELIMINARY MARKETING BULLETIN

COMMUNICATIONS EQUIPMENT DIVISION

## EDITING INFORMATION

554Q2A replaces N1717AP

554Q3A replaces N1717CG

554Q4A replaces N1717APM

554Q5A replaces N1717AH

The sets will be available in the following colours:

-3 Black

-50 Ivory

-51 Green

-53 Red

-56 Yellow

-58 White

-59 Rose-Pink

-60 Light Beige

-61 Light Gray

-62 Aqua Blue

## AVAILABILITY

Engineering prototypes are presently undergoing extensive tests. We are also conducting production test runs on components. We expect to be in production by September 1962.

## NE-500 Series TELEPHONE SETS

The NE-500 series telephone sets are designed to provide high-quality transmission and many years of trouble-free service. A network of circuit elements provides automatic loop compensation, and ensures reliable reception by suppressing sidetone and radio frequency interference. Access to the base-mounted components is easily effected by removing the cover. The handset and mounting cords are anchored to the base, and are connected to the set by means of spade-tipped conductors.

The illustrations in this bulletin are representative of the NE-500 series telephone sets that are listed in Table A.



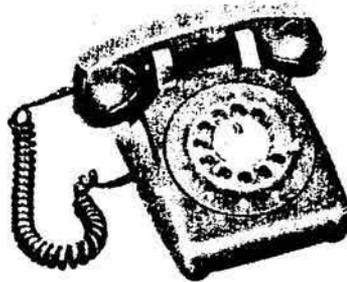
**NE-500DR** telephone set, a single-line, common battery, general-purpose desk type set arranged for dial operation.



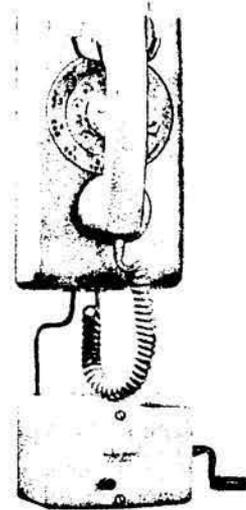
**NE-554BR** telephone set, a wall type set. The set provides the same facilities as the general-purpose desk type telephone.



**NE-511DR** telephone set, a two-line telephone with a combination turn-and-push key for switching to either of the two lines and for signalling purposes. May be arranged to exclude extension telephones to assure privacy, or to provide a "hold" facility so that a call on one line may be held while originating or receiving a call on the other line.



**NE-500DQ1A** telephone set, a single-line, general-purpose desk type set furnished with an "All Number Dial".



**NE-554Q2A** telephone set, a rotary dial, wall-type set for rural service. A plunger switch is provided to prevent interfering with the conversation of other parties on the line. Two 1.5-volt dry cells, a generator and generator housing, which are not furnished with the set, must be ordered separately. The appropriate combinations of generator, generator housing and NE-554Q2A telephone set required for specific uses are indicated in Table A.

An N1A battery box is available for housing the dry cells.

TABLE A — NE-500 and NE-2500 Series TELEPHONE SETS continued

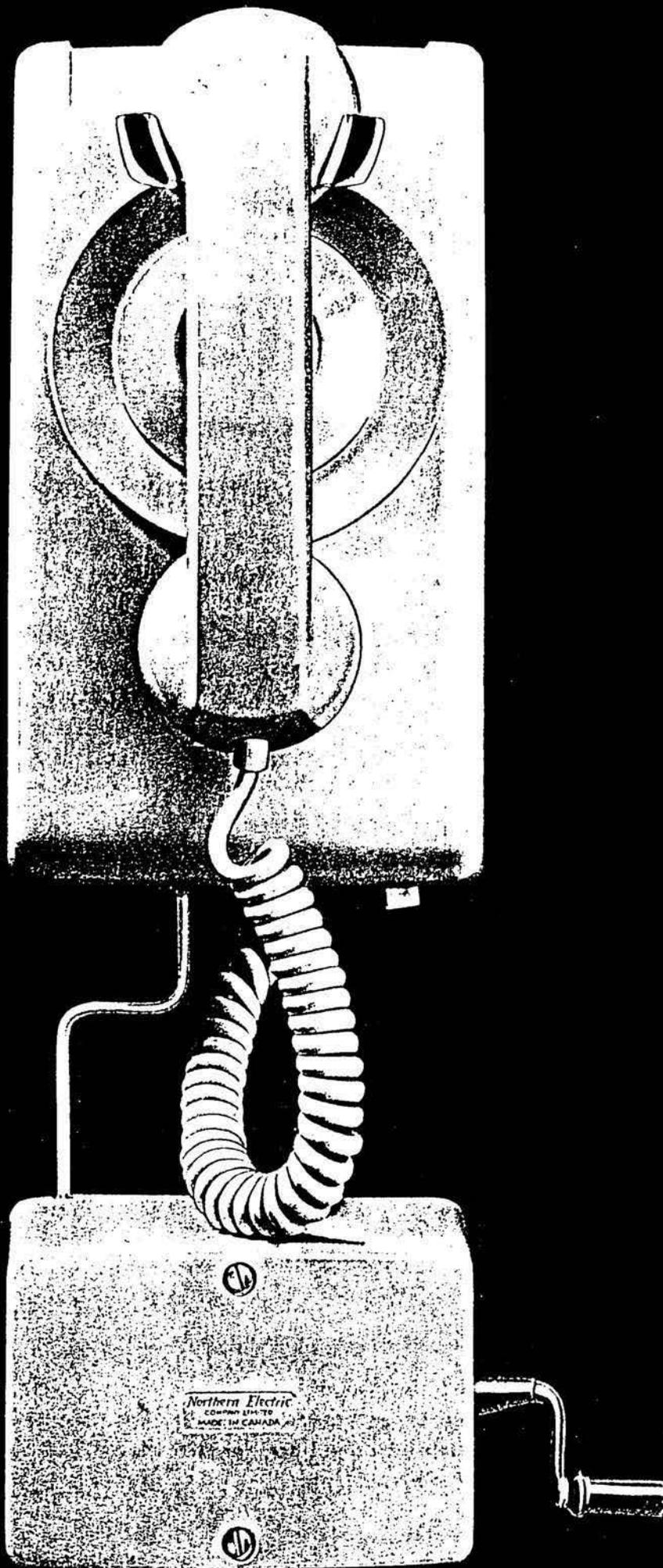
COMMON BATTERY, NON-POLARIZED RINGING		BASIC CODE OF SET					
TYPE OF SERVICE AND USE	FEATURE	DESK TYPE			WALL TYPE		
		MANUAL	ROTARY DIAL	DIGITONE DIAL	MANUAL	ROTARY DIAL	DIGITONE DIAL
Key Telephone Systems, e.g., NE-1A1 and NE-6A	Signalling and switching key for two-line pick up and exclusion	NE-511CR	NE-511DR	NE-2511DR	NE-558CR	NE-558DR	NE-2558DR
<b>COMMON BATTERY - POLARIZED RINGING</b>							
Four-Party Selective Eight-Party Semi-Selective	Single line	NE-501CR	NE-501DR	—	NE-556AR	NE-556BR	—
Four-Party Selective Eight-Party Semi-Selective	Single line with lift-to-talk plunger	—	NE-501FR	—	—	NE-556FR	—
<b>LOCAL BATTERY TALKING - COMMON BATTERY SIGNALLING</b>							
Long Party Lines with Community Dial Offices	Single line, lift-to-talk plunger	—	NE-500Q1A	—	—	NE-554Q1A	—
<b>MAGNETO TELEPHONE SETS FOR RURAL SERVICE</b>							
Simplex Dialling	Single line with lift-to-talk plunger	—	NE-500Q2A	—	—	NE-554Q2A	—
Simplex Ringing Convertible to Simplex Dialling		—	NE-500Q2A	—	—	NE-554Q2A	—
Simplex Ringing	Single line	NE-500Q3A	—	—	NE-554Q3A	—	—
Straight-Line Ringing		NE-500Q3A	—	—	NE-554Q3A	—	—
		NE-41BN Generator QKB1A Generator Housing Kit					
<b>SPECIAL SERVICES</b>							
All Number Dials	Standard single line	—	NE-500DQ1A	—	—	NE-554BQ1A	—
Message Waiting for use with PBX in hotels and motels	Signal lamp on each set is controlled by a console at switchboard or PBX	NE-500WR	NE-500YR	—	—	—	—
Elevator, building entrance, or corridors	Single line, flush mounted	—	—	—	NE-522QA	NE-522QB	—
Outdoor use for Emergency Reporting Systems	Standard	—	—	—	NE-570Q1A	—	—
	Selective routing	—	—	—	NE-570Q2A	—	—
	Selective routing with concentrated lines	—	—	—	NE-570Q3A	—	—
Taxi and Police services, outdoor use	Single line	—	—	—	NE-525Q1A (Note 1)	NE-525Q2A (Note 2)	—

NOTE 1: This set is not furnished with a lock. Specify one NS8028 lock for each set, when required.

NOTE 2: Each set is furnished with a lock.



# Magneto Telephone Sets



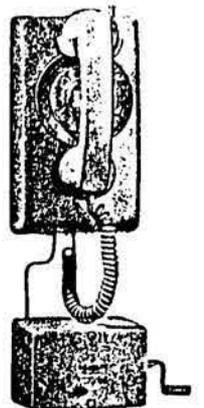
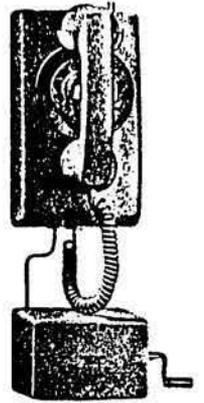
# Magneto Telephone Sets

## 554Q2A AND 554Q3A

The 554Q2A and 554Q3A Telephone Sets, together with the appropriate generator and generator housing kit provide a full range of rural telephone service. These wall-mounted sets are metropolitan in design and retain the traditional Northern Electric quality and dependability associated with magneto service.

### FEATURES:

- Available in 10 colours, to suit the decor of any room.
- Easily converted to common battery operation by replacement of certain components and by elimination of the hand generator.
- Tailored to your specific requirements, simply choose a set and generator combination.
- Housings, handsets etc. of 554Q3A are suitable for future dial conversions.
- If you have a 41 BN Generator you need only order the generator housing kit which includes the colored cover, mounting base, generator handle, etc.



## SIMPLEX DIALLING

### 554Q2A Telephone Set

41BN Generator

QKB1A Generator  
Housing Kit

(formerly N1717AP)

The dial is used for signalling the Central Office or for dialling other parties, on lines connecting through the Central Office. The generator is used for code-ringing parties on the same line.

A lift-to-talk button is provided on this set to allow the user to determine if the line is in use without interfering with another user. This is particularly desirable when dialling by another party is in progress.

## SIMPLEX RINGING

### 554Q3A Telephone Set

41BN Generator

QKB2A Generator  
Housing Kit

(formerly N1717CG)

Simplex ringing to the Central Office is accomplished by depressing the key on the generator. The operation of the key connects the generator between ground and the two sides of the line in parallel.

Parties on the same line are signalled by code ringing. The key is not operated and generator current is applied on a metallic basis across the line.

The set may be connected to provide divided-code ringing. In this type of operation, parties on one side of the line are signalled by regular code ringing. Parties on the opposite side of the line are signalled through the Central Office.

## SIMPLEX RINGING CONVERTING TO SIMPLEX DIALLING

### 554Q2A Telephone Set

41BN Generator

QKB3A Generator  
Housing Kit

(formerly N1717APM)

This set is designed for interim use where a future dial system is planned.

Depressing the key on the generator allows the set to operate as a local battery magneto telephone with simplex ringing. With the key in the open position the set functions as a local battery magneto telephone with simplex dialling. When dial service becomes available provision has been made to lock the key in the open position.

The set is provided with a lift-to-talk feature which is described above.

### 554Q3A Telephone Set

41BN Generator

QKB1A Generator  
Housing Kit

(formerly N1717AH)

## STRAIGHT-LINE RINGING

This set is used mainly for private-line service since ringing must be over two lines.

All signals register in the Central Office as well as at all stations on the line.

# Ordering Information

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Quantity 554Q2A \*Telephone Sets

Quantity 554Q3A \*Telephone Sets

Quantity 41 BN Generator

Quantity QKB1A \*Generator Assembly Kits

Quantity QKB2A \*Generator Assembly Kits

Quantity QKB3A \*Generator Assembly Kits

Quantity N1A Battery Boxes

*Sets are available in the following colours:-*

-3 Black -50 Ivory

-51 Green -53 Red

-56 Yellow -58 White

-59 Rose Pink -60 Light Beige

-61 Light Grey -62 Aqua Blue

\*Complete code number by adding dash(-) and appropriate colour designation (e.g.) No. 554Q2A-3 Telephone Set

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## note:

- Two No. 6 Telephone Dry Cells are required for operating these sets. A Northern Electric type N1A Battery Box is suggested for holding the batteries.
- 554Q2A Telephone Set is equipped with C4Q1A Ringer (2400 ohms).
- 554Q3A Telephone Set is equipped with C4A Ringer (3650 ohms).
- Loop operating range — 1500-2600 ohms.

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"Northern Electric reserves the right, without notice, to make such changes in equipment, design, or components as progress in engineering or manufacturing methods may warrant."

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