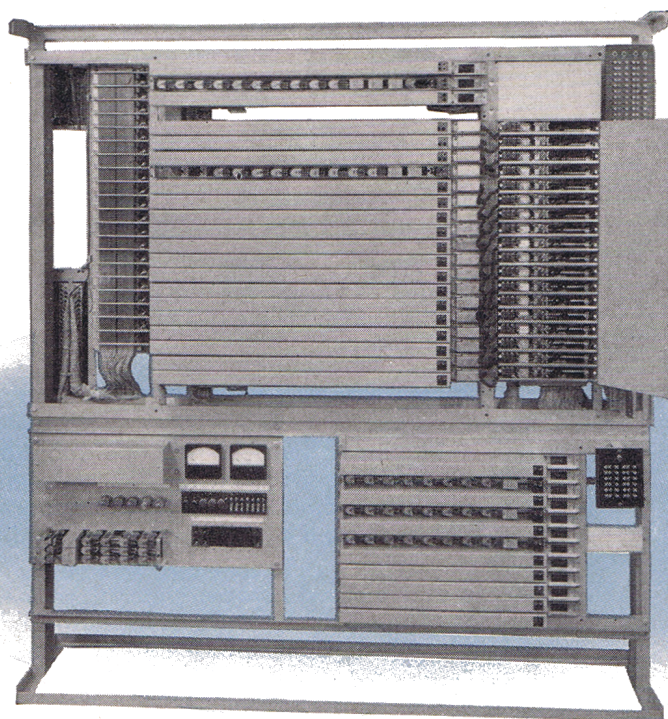


# private telephone and personal paging systems for office and industry

**E-100 XY Private Dial Telephone System**



**E-100 XY® DIAL PX** (Private Dial Telephone System) This sturdy, handsome unit is the largest "packaged" private dial system in the famous XY\* Dial PX design. Its ultimate capacity is 100 lines; adding lines up to the maximum is simply a matter of plugging in a new circuit plate for each 10 lines. Efficient operation is assured by the use of the famous XY Universal Switch and Type "A" Relays throughout the system.

An outstanding value • Calls between stations in the system are completed without an operator, under control of the calling station's telephone dial. The E-100 System can be equipped to provide "executive-right-of-way" service to any line. All wiring involved is completed at

\*T.M. Reg. U.S. Pat. Off.

the factory. The system also provides for "Meet-Me" conference service for up to 5 stations.

You may also add *code call equipment* using two-digit numbers. A choice of equipment is available for signaling. Paging service may be added in place of code call equipment.

All switching equipment for the E-100 XY PX is shelf-mounted in a single, compact equipment bay. The overall dimensions are approximately 6' 4" high, 6' 3/8" wide, 1' 6" deep (without cabinet) or 1' 8" deep (with cabinet).

These advantages, plus the maintenance economy inherent in XY Dial equipment, add up to the outstanding value in the field.

SPECIFICATIONS AVAILABLE ON REQUEST

# private dial telephone systems

## 2-10 . . . 4-20 SYSTEMS

**2-10 System** • This system provides two simultaneous talking paths for fast, efficient intercommunication in offices and factories.

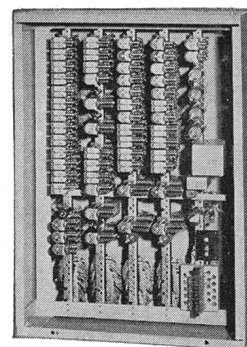
It provides selective ringing and talking, instantaneous ring trip, ringing and busy tones. The system has an internal capacity of 10 lines. With extensions, this capacity may be increased to a maximum of 30 stations.

The cabinet contains all relays used for line finding and connecting. It is sturdily built and permanently finished in handsome office gray. Its outside dimensions are 26½" high, 18¼" wide, 10⅞" deep.

The floor stand is used for rack-mounting the cabinet and Battery Eliminator (if used) on the floor. The stand is 27" high, 18¼" wide, 20" deep.

The telephones are the standard Stromberg-Carlson No. 1543 instruments.

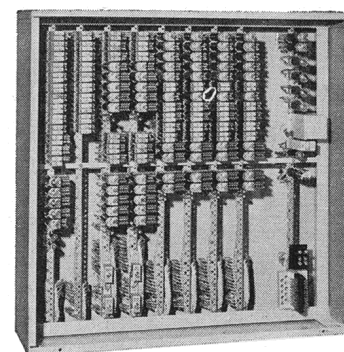
The power supply is either a Battery Eliminator or four 3-cell, 24-volt storage batteries. When batteries are used, the cabinet may be wall-mounted.



Cabinet for 2-10 System, showing relay strips. Power unit is included.

**4-20 System** • Similar in purpose and operation to the 2-10 System, the 4-20 PX is a larger system, suited for internal communication in a large plant or office. It provides four simultaneous talking paths, 20 lines, and a maximum of 60 stations, including extensions.

The features and method of operation of the 4-20 System are similar to those of the 2-10. Because of its increased capacity the 4-20 has larger overall dimensions: 59" high, 32" wide, 10⅞" deep (cabinet and base).



4-20 System cabinet, showing relay strips. Power unit is included.

## MANUAL PX SWITCHBOARDS

Available in two models—the M-100 and M-200—these switchboards are capable of serving 100 and 200 lines, respectively. They are ideal for schools and industrial plants which need economical internal communications systems.

The switchboards are wired for line relays and can be furnished either with line relays or series lamp signals. They are designed for balanced talking conditions, reliable signals and battery economy.

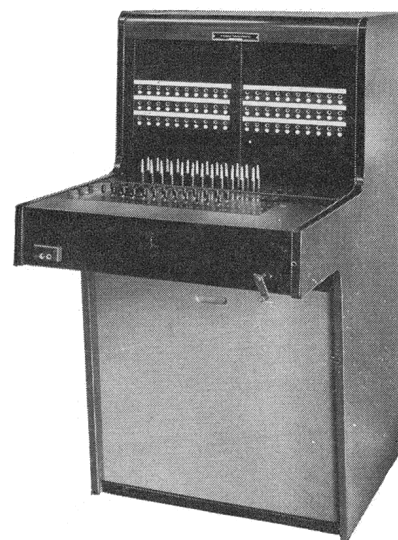
Cord circuits are of the condenser type, which furnishes battery to answering and calling stations and provides double lamp supervision.

Other features are night alarm circuit and battery switching circuit, both controlled by twist-type keys; generator circuit; conference circuit, which is available on request and provides conference service for up to 5 stations.

The switchboards are designed in handsome, modern styling, with beautifully finished wood cabinets and rounded corners. The cabinets are available in oak (golden or limed), or birch (walnut, pecan or natural finish).

Dull black face strips on the lamp and jack panels reduce eyestrain when the operator is scanning the board for incoming or disconnect signals.

*Specifications available on request.*



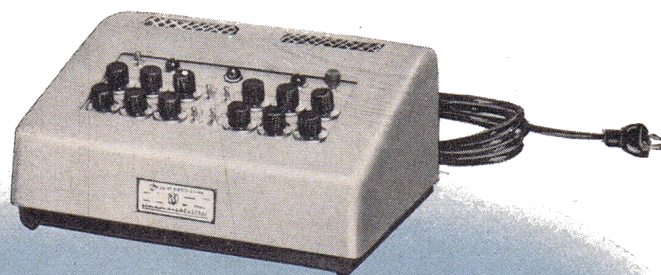
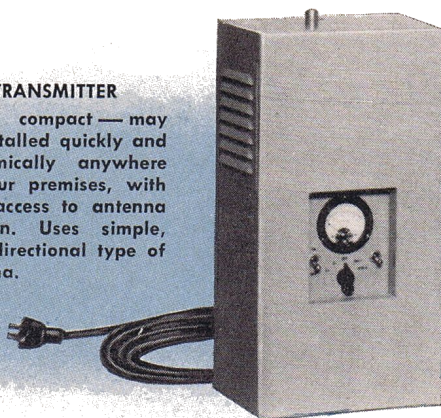
M-100 Manual PX Switchboard.



# **pagemaster® selective radio-paging system**

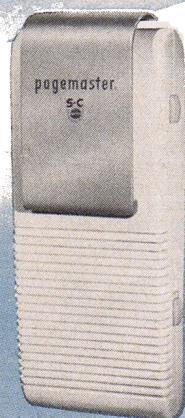
## **TRANSMITTER**

Small, compact — may be installed quickly and economically anywhere on your premises, with easy access to antenna location. Uses simple, omni-directional type of antenna.



## **ENCODER**

About the size of a desk-type adding machine. Anyone can learn to use it accurately with just 5 minutes' practice. It is placed next to telephone switchboard.



## **RECEIVER**

Designed to be carried in shirt or jacket pocket. It is securely held in place by its strong clip. The receiver is battery-operated, with battery life of approximately 1,000 hours in normal usage. Weight, only 7 oz.

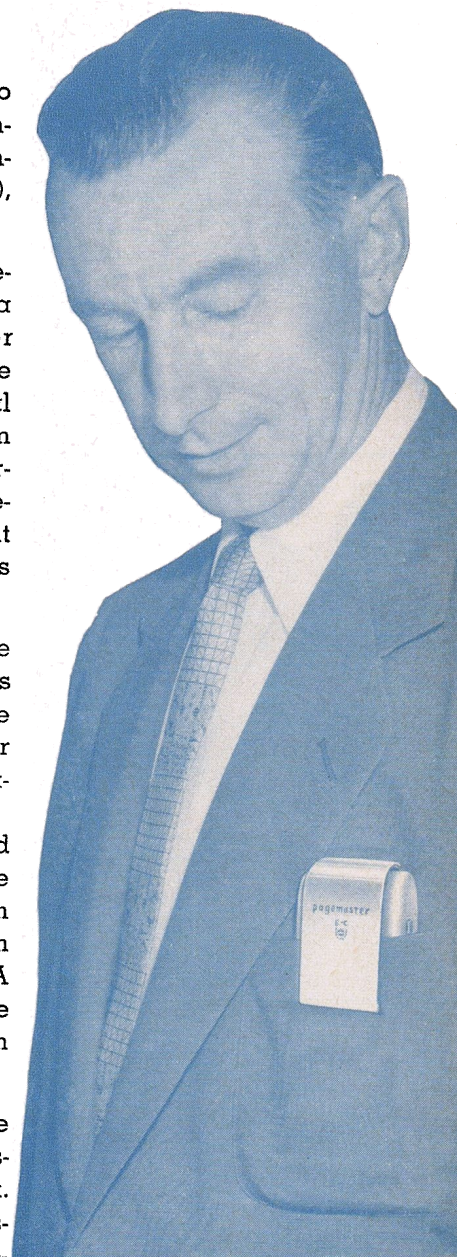
This selective personal radio paging system consists of encoder, transmitter and a number of signal units (receivers), up to 3200.

**Fast operation** • When a telephone call comes in for a PAGEMASTER\* subscriber equipped with a receiver, the operator can put his personal code signal "on the air" in less than 5 seconds. Wherever he is, his receiver responds with a quiet, pleasant tone which tells him he is wanted.

**Encoder and transmitter** • The PAGEMASTER encoder is mounted next to the telephone switchboard. The transmitter may be installed in any suitable location in the building.

Signaling is accomplished by setting a specified code and operating a switch. Each receiver responds to its own pre-arranged number. A switchboard operator can be trained to operate the unit in minutes.

**Pocket-size receiver** • The PAGEMASTER receiver fits easily into shirt or coat pocket. It is tuned to receive a transmitted RF frequency. This frequency is amplitude modulated by up to four successive audio frequencies.



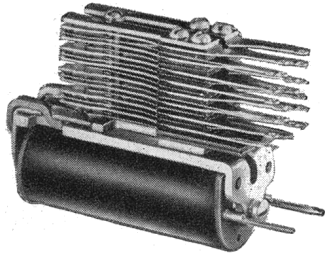
PAGEMASTER systems may be used by industrial plants, in oil fields, construction projects, hospitals, civil defense groups and other organizations.

\*T.M. Reg. U.S. Pat. Off.



## component parts

### RELAYS



Stromberg-Carlson twin-contact relays, proved by years of rigid testing in telephone applications, are now available to industry for electromechanical switching purposes. These include new "E" relays with universal mounting, interchangeable with many other makes.

Relays of many types for standard and special applications have passed rigid mechanical and electrical tests over many years of continuous use. Each type has been perfected to fill a need in the science of automatic control.

Stromberg-Carlson relays are described fully in Bulletin T-5000R, available on request.

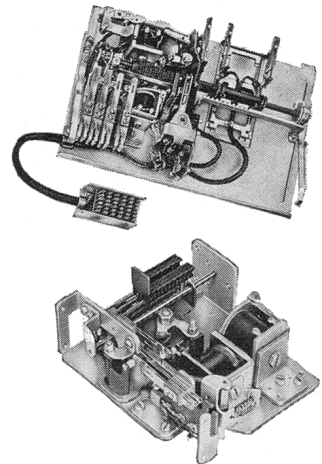
### STEPPING SWITCHES

Stromberg-Carlson stepping switches are also available now for industrial applications.

These switches have proved their speed and dependability in many years of use with central office dial telephone equipment. The switches are able to:

- (1) select a particular circuit from among many;
- (2) select an idle circuit from a group;
- (3) perform consecutive operations in separate groups.

The types described in Bulletin T-5001R may be arranged to meet your specific needs. This bulletin is available on request.



### KEY SWITCHES

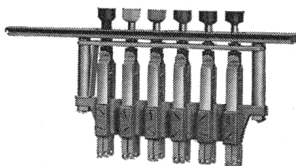


Stromberg-Carlson keys are available in many designs for electro-mechanical switching purposes in industry.

Types offered include cam lever keys with surface or flush mountings; twist-type and push-button keys on individual mountings or in strips of standard size, and multiple push-button type keys.

All springs are of high-grade nickel silver, long and flexible, with contacts of precious metal which effectively prevent corrosion.

Stromberg-Carlson keys are fully described in Booklet T-5002R, available on request.



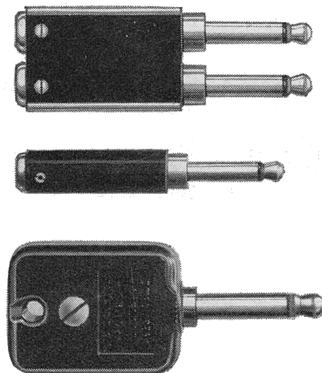
### JACKS AND PLUGS

Here is time-tested equipment, proved in years of exacting telephone operation, now available to industry at large.

Stromberg-Carlson jacks, plugs and associated equipment can be used to best advantage where positive electrical connections must be made or transferred.

This equipment will meet present and future needs for electrical and electronic apparatus, as well as testing and control circuitry.

Full details on Stromberg-Carlson jacks and plugs are in Bulletin T-5003, available on request.

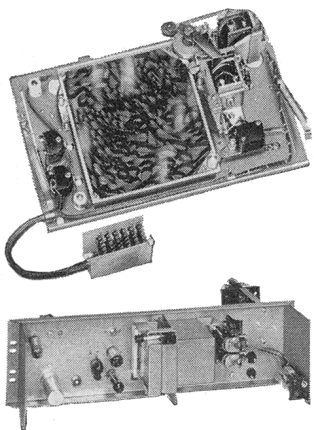


### XY<sup>(R)</sup> TAPE RECORDERS

Designed to meet the rigorous needs of telephony, XY tape recorders and tape announcers assure trouble-free operation in a wide variety of industrial applications.

Automation and automatic equipment and the need for storing data, whether in voice or electrical impulse form, are typical industrial situations met by this equipment.

Stromberg-Carlson tape recorders and announcers are described in full in Bulletin T-5004, available on request.



### SPECIAL TELEPHONES

Stromberg-Carlson offers industry many different types of special telephones for specialized jobs.

A few examples are: hang-up type telephones, dial or manual; remote control instruments for use with dictating machines; "press-to-talk," "press-to-receive," and "press-to-control" handsets for 2-way radio applications; and instrument with key switches and lamps that can be used for intercom or external control purposes.

Bulletin T-5005, available on request, contains full data on Stromberg-Carlson special instruments.

