

# THE PAGING TELEPHONE

A New Area Communication Service



**TWO-WAY  
CONVERSATION  
IMMEDIATELY! ~**

with workers stationed  
"anywhere" . . . as much as  
100 feet away from a  
Paging Telephone!

**M. G. GNAU**  
4030 CHOUTEAU  
ST. LOUIS, MO.

One of the many  
SPECIAL SERVICES  
available with



**P-A-X**

business  
telephone  
systems

AUTOMATIC



ELECTRIC



## Instant Communication with Employees Working Anywhere throughout Extended Areas!



The Paging Telephone—a new electronic development by Automatic Electric—introduces a valuable added service for users of P-A-X Business Telephone Systems. The Paging Telephone establishes communication immediately with workers in many situations where a standard telephone instrument, however conveniently located, cannot always provide a completely satisfactory service.

For example, those you call may need to look in a drawer, to go to a file, or to search through records, to answer you satisfactorily. They must lay aside the telephone handset to go for the facts—then return before transmitting the facts to you. That means *two* trips to the telephone—while *you wait!*

Other similar difficulties occur with ordinary telephone instruments:

In large departments where employees must move about at their work, and may often be some distance from the telephone when they are called.

In operations or occupations that make it inconvenient for employees to leave their work (and may even require them to wash their hands!) in order to use a "standard" telephone.

Whenever it is necessary to communicate with *someone*, but no particular individual, in a given department.

The Paging Telephone overcomes all these difficulties, because it serves an entire *area!* Any P-A-X user can talk with employees located anywhere within that area—as naturally as if he were with them in the same room—and without requiring them to do anything more than look up from their work! With a Paging Telephone, employees can carry on a telephone conversation with you *while* they are getting your information—*remaining on the job!*



The Paging Telephone is a standardized assembly of three elements:

First, a new-type *loudspeaker* that functions like the receiver in a standard P-A-X telephone handset.

Second, a special "directional" *microphone* that functions as the transmitter; and

Third, a new, electronic two-way *amplifying unit* that powers the transmitter and the microphone—so effectively they can be used at distances as great as 100 feet.

### Complete "Area Communication" Accomplished Easily

Any number of Paging Telephones may be installed at different locations—and they are very simple to use. You merely dial the P-A-X number of the Paging Telephone that serves the area you want to reach. Then you call, by name, any one or any number of employees working within that area. Each employee can reply, without interrupting his work, simply by facing *toward* the microphone. You can readily visualize how this saves productive time—on occasion after occasion, throughout every working day!

NOTE: The Paging Telephone is not arranged to originate calls; this is done from a separate instrument on another line.

### Quickly Adapted to any P-A-X System

Any reasonable number of Paging Telephones may be added easily to any *existing* P-A-X System, or to a *new* installation—in much the same way that any conventional P-A-X telephone is added. The *only* difference is that a Paging Telephone requires four conductors (instead of two) to connect it to the switchboard. The extra wires are usually found already available in the cable of an existing P-A-X System, or can readily be added at low cost.



These are Typical Situations where

## PAGING TELEPHONES PROVE INDISPENSABLE!



FILING DEPARTMENTS NOW HANDLE MANY MORE CALLS

In most filing departments, clerks are constantly walking between the files and the telephones at their desks. With a Paging Telephone, however, they can read and transmit information *directly from the files*—providing information faster—easily handling several times as many inquiries.



STOCK ROOM SERVICE CAN BE IMPROVED, TIME SAVED FOR OTHER WORKERS

Dispensing of supplies calls for frequent service to others, also for numerous telephone talks with Purchasing, Supervisors. Paging Telephones permit stockroom personnel to remain near the bins or shelves, to serve other workers promptly. The same for others in *many* different occupations.



IN WAREHOUSE OPERATIONS, EVERY MAN CAN ACCOMPLISH MORE

Throughout extended warehouse areas, Paging Telephones provide immediate communications. They speed the issuing and confirming of orders, the identifying of merchandise in stock, and the scheduling of its movement. You're always in touch with every crew wherever they're at work!



MECHANICS AND OTHER MANUAL WORKERS REMAIN AT PRODUCTIVE WORK

When you place a call to a man who is underneath a truck, or to a man at work on a machine, he ordinarily must leave the job in order to answer your telephone call. But not when you call him over a Paging Telephone—the hands of the called party need not be empty nor necessarily clean!



RECEIVING ROOMS AND LOADING PLATFORMS, FIND PAGING TELEPHONES INVALUABLE

When merchandise and supplies are constantly coming and going, frequent delays on the shipping platform, while someone answers the telephone, can slow all operations. With a Paging Telephone these delays do not occur. Invoices are quickly checked. Truckers can be contacted at the platform.



### Paging Telephones Now Complement the World's Finest Internal Communication Equipment

Executives have long known P-A-X Business Telephone Systems as the most efficient, the most convenient and satisfying means of internal communication. Now with these new Paging Telephones, your P-A-X System becomes even more convenient—even more efficient!

You are able to speak from your desk not only to one employee at a time, but to several, or to *all* the employees located within an entire area which you select. Yet for other calls, as you prefer, you still enjoy absolute privacy of conversation over your regular P-A-X handset telephone.

With these two specific types of telephone service, all problems of "inside" communication are solved completely. A P-A-X Business Telephone System with Paging Telephones improves the efficiency of the finest business organization.

NOTE: The added convenience and efficiency of Paging Telephones are available also to owners of Automatic Electric's "Idealphone" Systems.

### ALL 3 UNITS ESPECIALLY SELECTED, ESPECIALLY DESIGNED FOR FINEST P-A-X INTERNAL COMMUNICATION

The Paging Telephone includes the loudspeaker, the microphone, and the compact (14"x9"x6") two-way amplifying unit. When the Paging Telephone is called, the loudspeaker and microphone are "switched on" by the same signals that ring the bell of a conventional telephone. An "on and off" switch permits the amplifying unit to be turned off at the end of each working day. Other knobs control loudspeaker volume and the input to the microphone; these controls are normally set upon installation. (Connecting jacks permit additional microphone and loudspeaker if needed.)

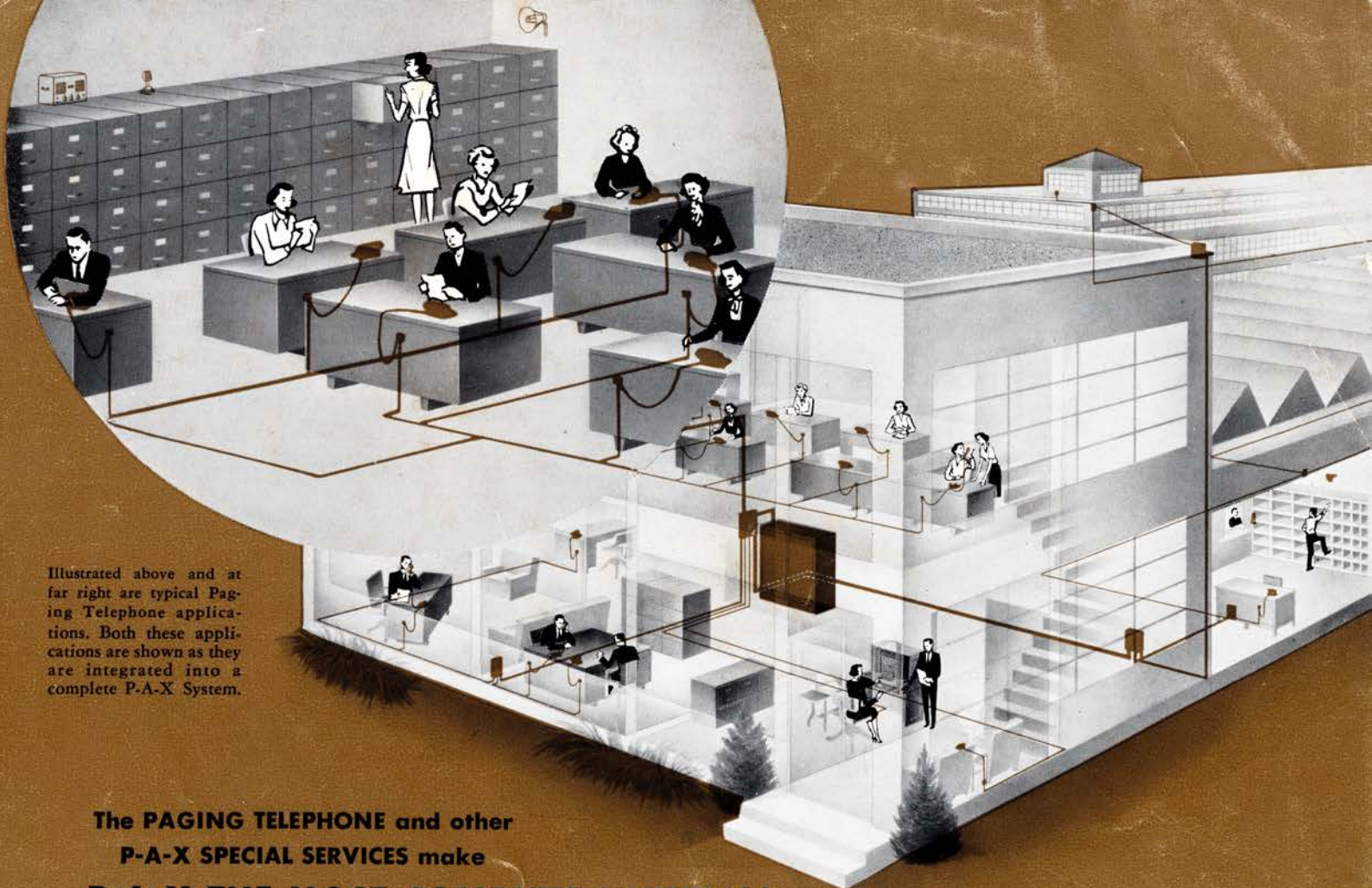


Wiring is simple. Four wires run from the amplifying unit to the P-A-X switchboard, two wires to the loudspeaker, and a six-foot, one-conductor, radio-type shielded cable to the microphone. A connecting cord is provided for standard 110-volt alternating current.

A wiring diagram appears inside the amplifier cabinet; your regular electrician can install a Paging Telephone and make all adjustments required. Maintenance, too, is easily handled by those who maintain the P-A-X System. Circuits and accessories are standard; for example, all tubes are available from radio parts dealers.

Your nearby Automatic Electric representative will gladly discuss with you the use of one or more Paging Telephones on a new P-A-X System, or on your present system. He can be especially helpful if you need a number of microphones or speakers, or special-purpose components for outdoor or "semi-exposed" locations. You are invited to put your problem before him.





Illustrated above and at far right are typical Paging Telephone applications. Both these applications are shown as they are integrated into a complete P-A-X System.

The **PAGING TELEPHONE** and other  
**P-A-X SPECIAL SERVICES** make

## **P-A-X THE MOST COMPLETE INTERNAL COMMUNICATION SYSTEM KNOWN**

A P-A-X System is comprised of standard, commercial telephone equipment—is identical to the regular public telephone service, except for three significant differences:

The P-A-X is entirely separate from the "outside" telephones, and is never disturbed by heavy outside telephone traffic; therefore it establishes *all* inside calls, at any time, within seconds! It is completely automatic, operating dependably and continuously 24 hours a day, without a switchboard attendant. Furthermore it is *owned*, not rented

—providing every convenience and all the economies that result when you own your own desks, typewriters, files, or any other kind of office equipment.

In addition, this completely flexible system accommodates many types of auxiliary equipment, providing numerous Special Services of inestimable value. The Paging Telephone is one of these "Special Services"—a standardized yet versatile instrument that now gives modern management a "new tool for added efficiency"!



### **CONSULTATION INVITED**

Automatic Electric's famed engineering staff is always available for consultation . . . on any subject related to Paging Telephones or to the installation of a complete new P-A-X System of which Paging Telephones will be a part. These highly skilled engineers are continuing the Company's 60 years of constant achievement since pioneering the world's first automatic telephone. You are invited to take advantage of Automatic Electric's unparalleled experience.

### **ORDERING INFORMATION**



**PAGING TELEPHONE**, complete. Includes one microphone, one loudspeaker and a self-contained automatic two-way amplifier unit. Shipping weight, 30 lbs. Cat. No. MA-22



**MICROPHONE** (separate) for use with a Paging Telephone, when a second microphone may be desirable at certain installations. Shipping weight, 4 lbs. Cat. No. AU-28



**LOUDSPEAKER** (separate) for use with a Paging Telephone. Some conditions may indicate 2, 3, or more loudspeakers per installation. Shipping weight, 23 lbs. Cat. No. MA-23



THIS NAME PLATE IS THE HALLMARK OF THE VERY FINEST IN BUSINESS COMMUNICATION EQUIPMENT

Distributor in United States and Possessions

**AUTOMATIC ELECTRIC SALES CORPORATION**  
1033 W. VAN BUREN STREET, CHICAGO 7, ILLINOIS

For information on P-A-X's to be installed outside the United States or U.S. Possessions, please write to  
INTERNATIONAL AUTOMATIC ELECTRIC CORPORATION, 1033 W. Van Buren St., Chicago 7, Illinois  
TCI Library [www.telephonecollectors.info](http://www.telephonecollectors.info)