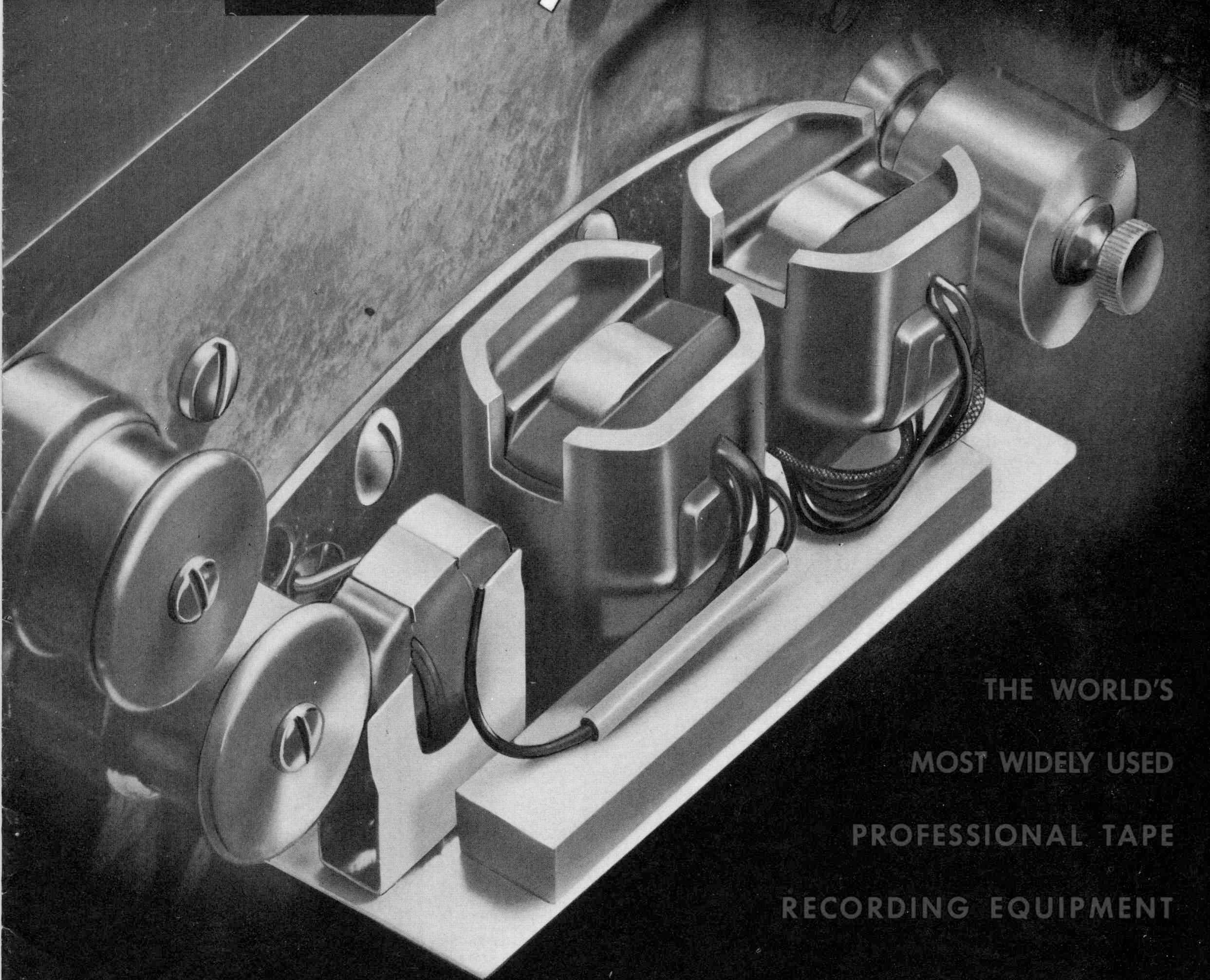


FIRST CHOICE OF ENGINEERS—

# *M*agnecorder



THE WORLD'S  
MOST WIDELY USED  
PROFESSIONAL TAPE  
RECORDING EQUIPMENT

*— Sets the Standard for Greater Flexibility • Fidelity • Features!*

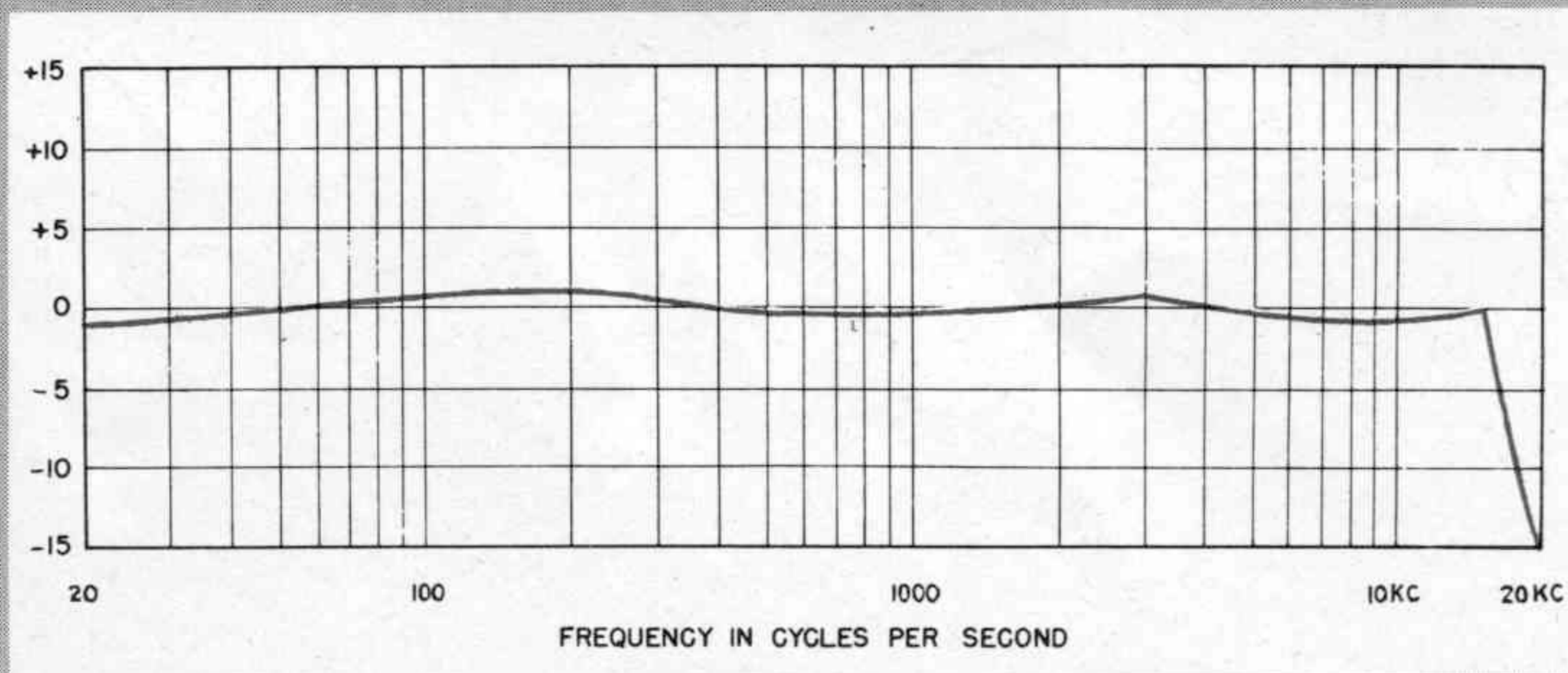


# PROFESSIONAL HIGH FIDELITY REPRODUCTION

Meeting NAB standards, Magneorders assure you of the finest in professional magnetic tape recording. Precision engineered, each provides maximum flexibility and dependability for a minimum investment.

The world's most widely used professional tape recorder, Magnecord is used by more engineers and broadcasters than all other professional recorders combined... Proof of Magneorder superiority in the field! Their outstanding reputation has been earned only by strict adherence to fine quality at all times.

In addition to the broadcast industry, Magneorders have become the most widely distributed professional recording equipment in many other fields. The automotive, aviation and other manufacturing markets use them as indispensable instruments for noise and vibration test analysis... as "sound" research to build a better product. Schools and universities recognize Magnecord superiority in Audio-Visual training when critical high fidelity recording is required. Where ever recordings are made, Magnecord will record and reproduce them best! We ask you to compare Magnecord—the product... the performance... the price—with any recorder on the market and prove it to yourself!



## MAGNECORD SPECIFICATIONS

### FREQUENCY RESPONSE:

- 15" tape speed—flat from 50-15000 cps,  $\pm 2$  db.
- 7½" tape speed—flat from 50-7000 cps,  $\pm 2$  db.
- 3¾" tape speed—flat from 50-4000 cps,  $\pm$  db.

### SIGNAL-TO NOISE RATIO:

Exceeds 50 db with less than 2% harmonic distortion.

### PANEL FINISH AND CASES:

Gray hammerloid enamel. Cases of black leatherette over wood.

### MAXIMUM FLUTTER:

Less than 0.3% maximum (measured peak-to-peak).

### TAPE SPEEDS:

15" and 7½" of tape per second. (PT6 and PT63 mechanisms also available with 2-speed motor for 3¾", 7½" and 15").

### POWER:

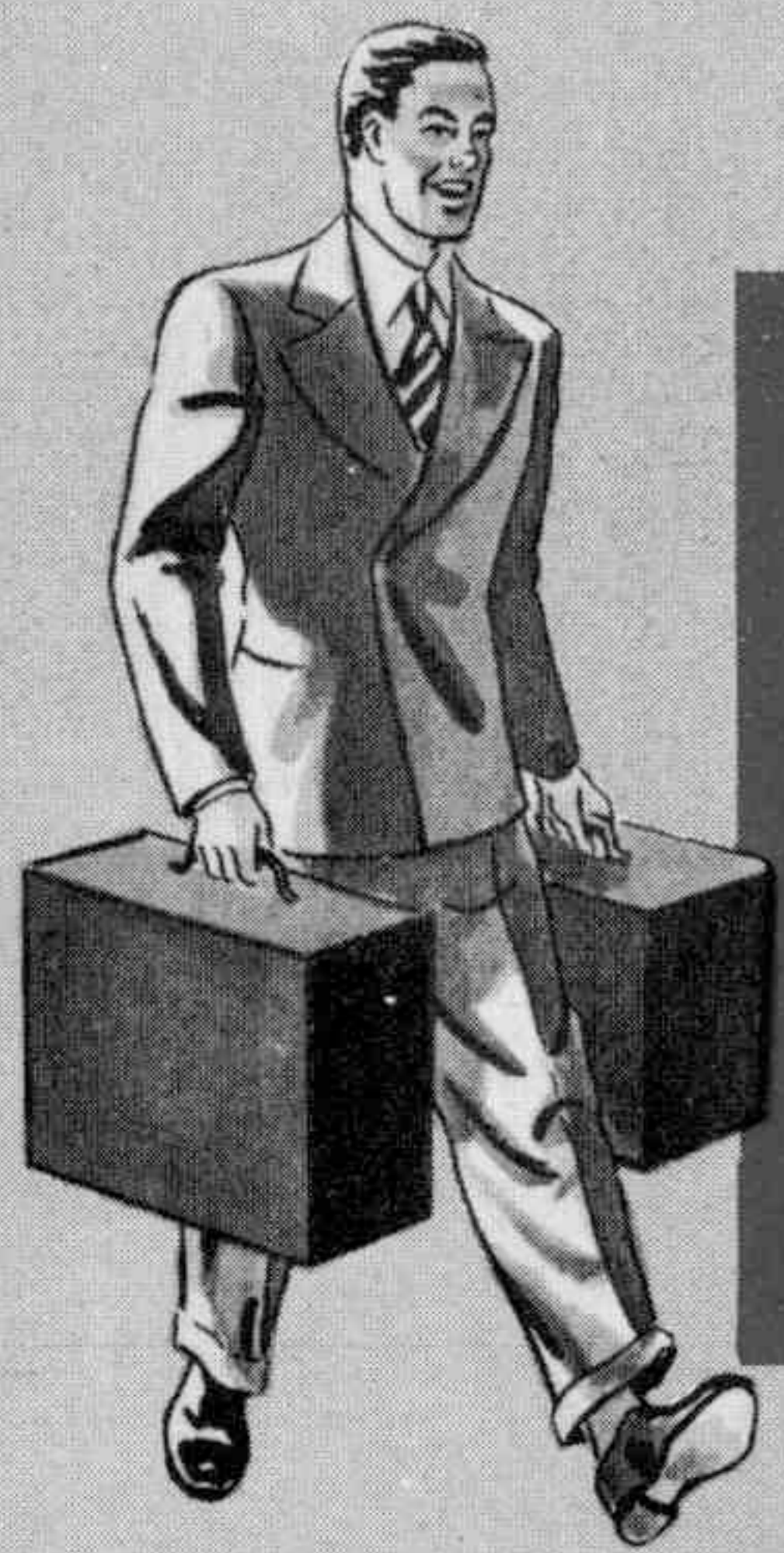
117 volt, 60 cycle, single phase AC. (50 cycle, etc., on special order.)

(ABOVE ARE PT6 AND PT63 SPECIFICATIONS. FOR EQUIPMENT EXCEEDING EVEN THESE HIGH STANDARDS SEE PT7 SERIES IN THIS BOOK)

## EXCLUSIVE UNIT CONSTRUCTION PROVIDES GREATER FLEXIBILITY AT LOWER COST!

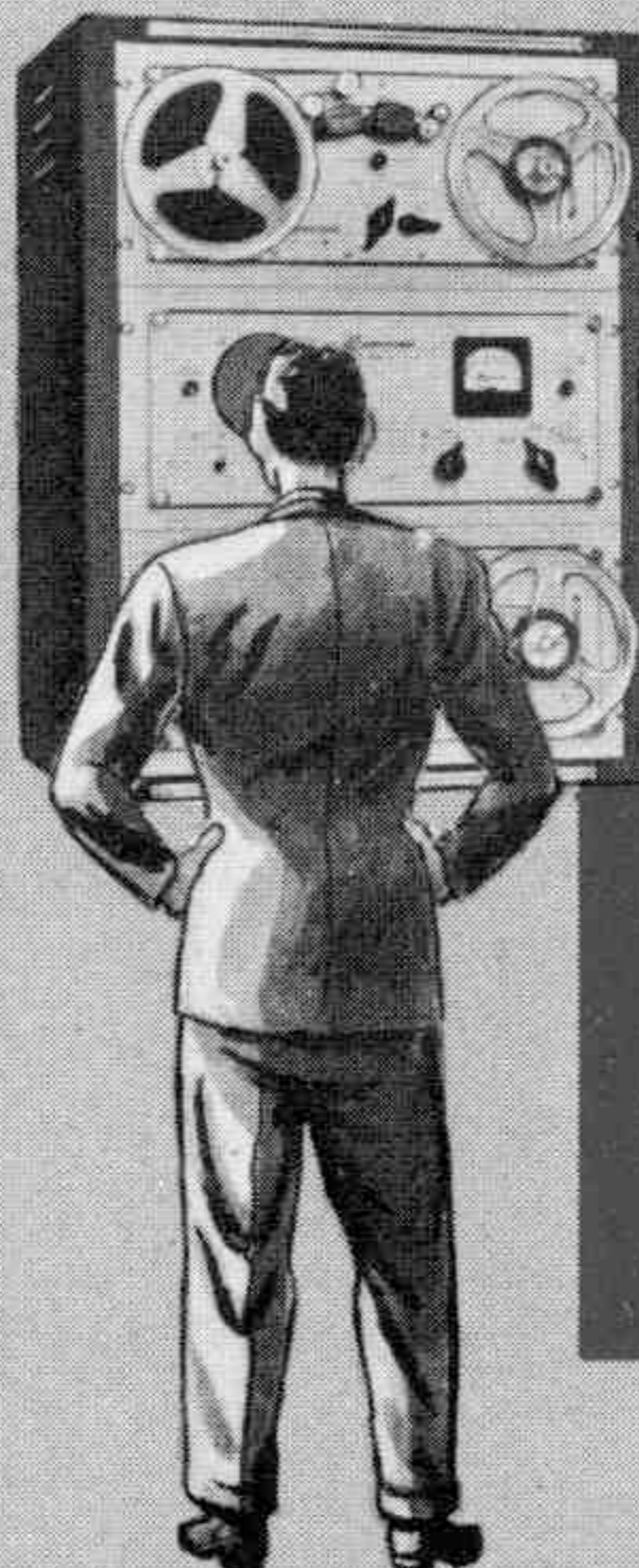
You need purchase only the units you actually need. Recorder mechanisms and amplifiers are separate for easy handling and combining for any purpose. You can always add to your Magneorder too, with additional equipment or accessories.

Always up-to-date, Magneorders stay in step with new developments by the addition of Magnecord modification kits. As Magnecord presents new features, conversion kits are offered to modify your own equipment—easily and economically.



### PORTABLE

You don't have to be a weight lifter to carry the compact, portable Magneorder into the field for remote recordings. Lightweight and rugged, the amplifier is in one case, the recorder in the other... evenly distributes the weight. You can also rack mount them upon returning.



### RACK

Any portable Magneorder can be mounted in standard 19" racks and can be combined with others for elaborate continuous recording systems. Special rack-type amplifiers for semi-permanent mounting available, if preferred. All Magnecord amplifiers have zero level output!



### CONSOLE

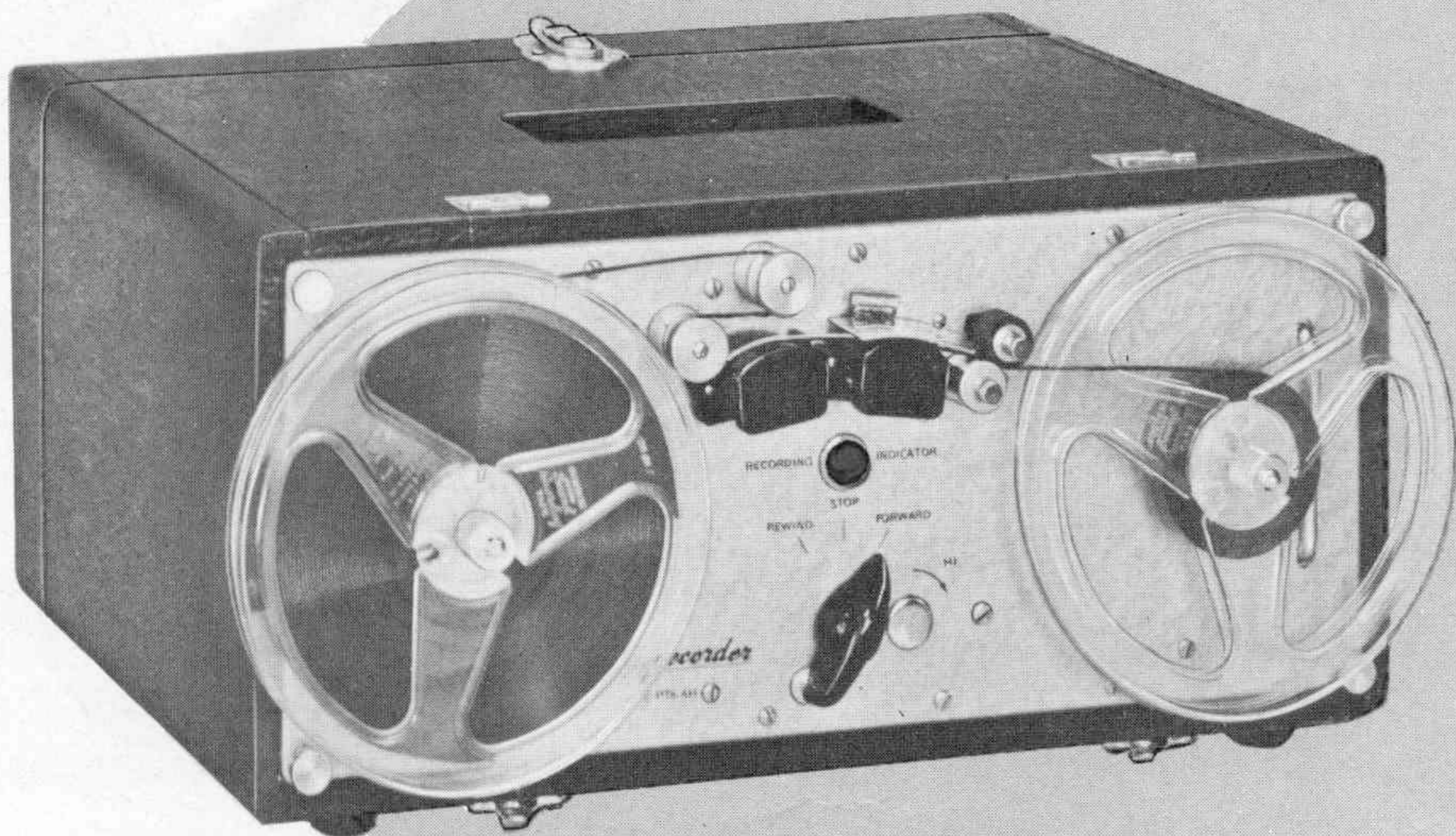
PT7 Magneorders for Console rack or portable. Handsome wood cabinets with Formica tops for studio console operation. Plenty of storage space for tape reels and additional gear. New PT7 and PT63 amplifiers with switch for equalization of 15" or 7½" per second tape speeds.

PT7 EQUIPMENT ALSO FOR USE IN CONSOLE

# PT6 Series

# Magnecorders

USED BY MORE ENGINEERS THAN ALL OTHER PROFESSIONAL RECORDERS COMBINED

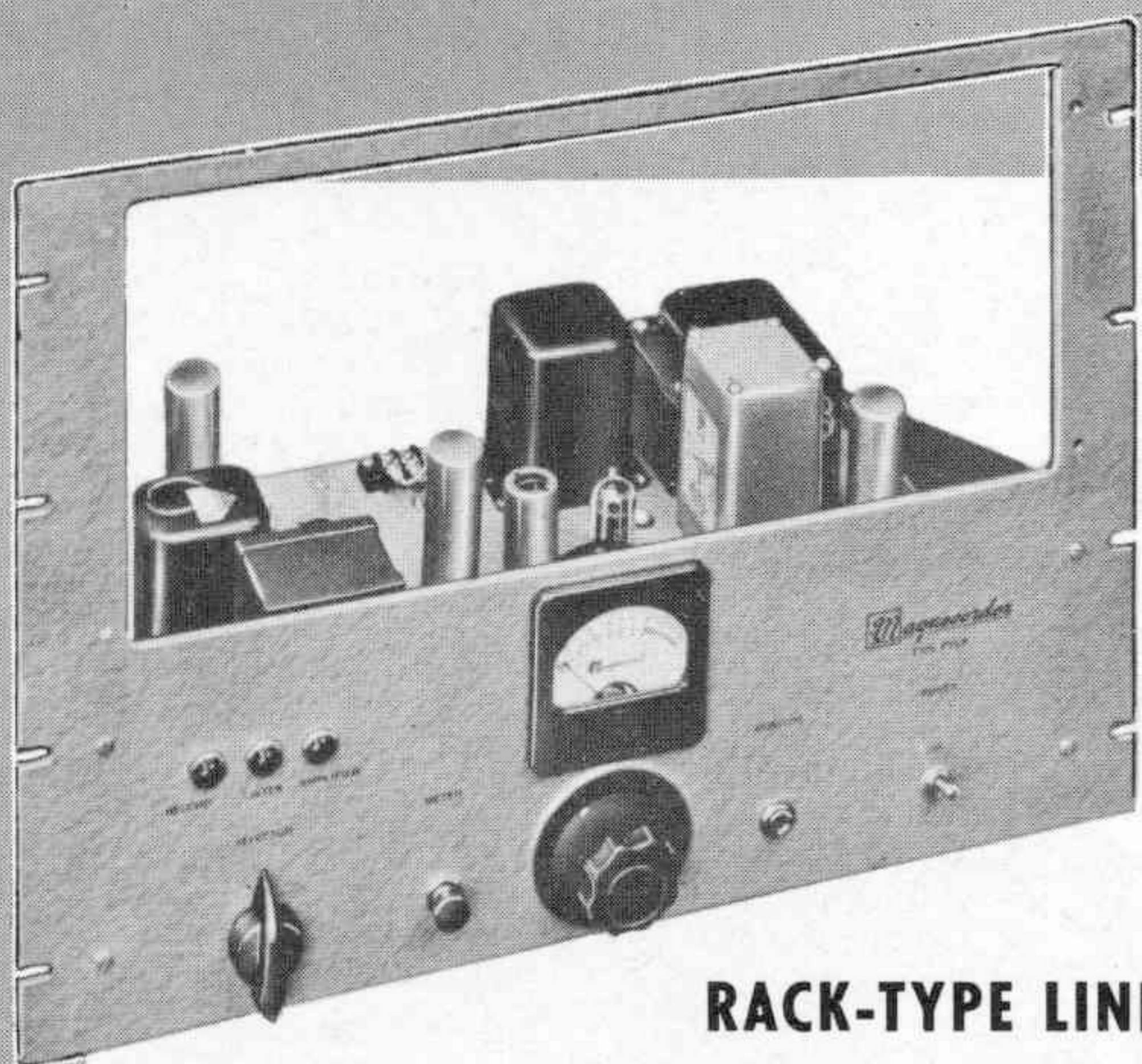


## PT6-A RECORDER MECHANISMS

Recognized as the greatest value in the professional field. The PT6-A has separate erase and record/reproduce head and includes 7½" and 15" tape speed capstans for either speed. Uses standard 7" reels and rewinds 1200 feet in 40 seconds. Size: 7" x 17" unit can be rack mounted with PT6-H adapter panel. Available with hi-speed forward for cueing-in and editing at slight extra cost. With hi-speed, order PT6-AH or PT6-AHX (less case). Portable mechanism weighs less than 29 lbs. in wood constructed, black leatherette case.

For PT6-A, recorder less case, order model PT6-AX.

Also available with 2-speed motor for all 3 tape speeds (3¾" — 7½" or 15"/sec.) PT6-A recorder with dual-track heads also obtainable on special order.



## RACK-TYPE LINE LEVEL AMPLIFIER AND ADAPTER PANEL...PT6-R

Holds PT6-AX recorder mechanism and mounts in 14" of standard 19" wide studio rack. Has 600 ohm, balanced, zero level input, also bridging input. Output: zero level at 600 ohms, balanced. No audio output. Complete with tubes and interconnecting cables. Specify for 15" or 7½" equalizer. (3¾" tape speed equalizer extra.) Finished gray hammerloid enamel. Size overall: 14" x 19". Jewel indicator lights for selector switch. 3" VU meter. Headphone jack for monitoring.



## ALL PURPOSE, SINGLE MICROPHONE INPUT AMPLIFIER...PT6-J

Combination record/reproduce amplifier has 10 watts of audio with terminals for external speaker. 1 low-impedance mike input, also bridging input. Output: zero level at 600 ohms, balanced, plus 10w of audio. Monitor speaker. Complete with tubes and interconnecting cables. Specify for 15" or 7½" equalizer. (3¾" tape speed equalizer extra.) Weight: 21 lbs. Panel: 7" x 17" — can be rack mounted with PT6-H adapter panel. Ideal for remote recording, schools or industrial use.

PT6-JX... same as PT6-J amplifier above, less case.

# PT63-A

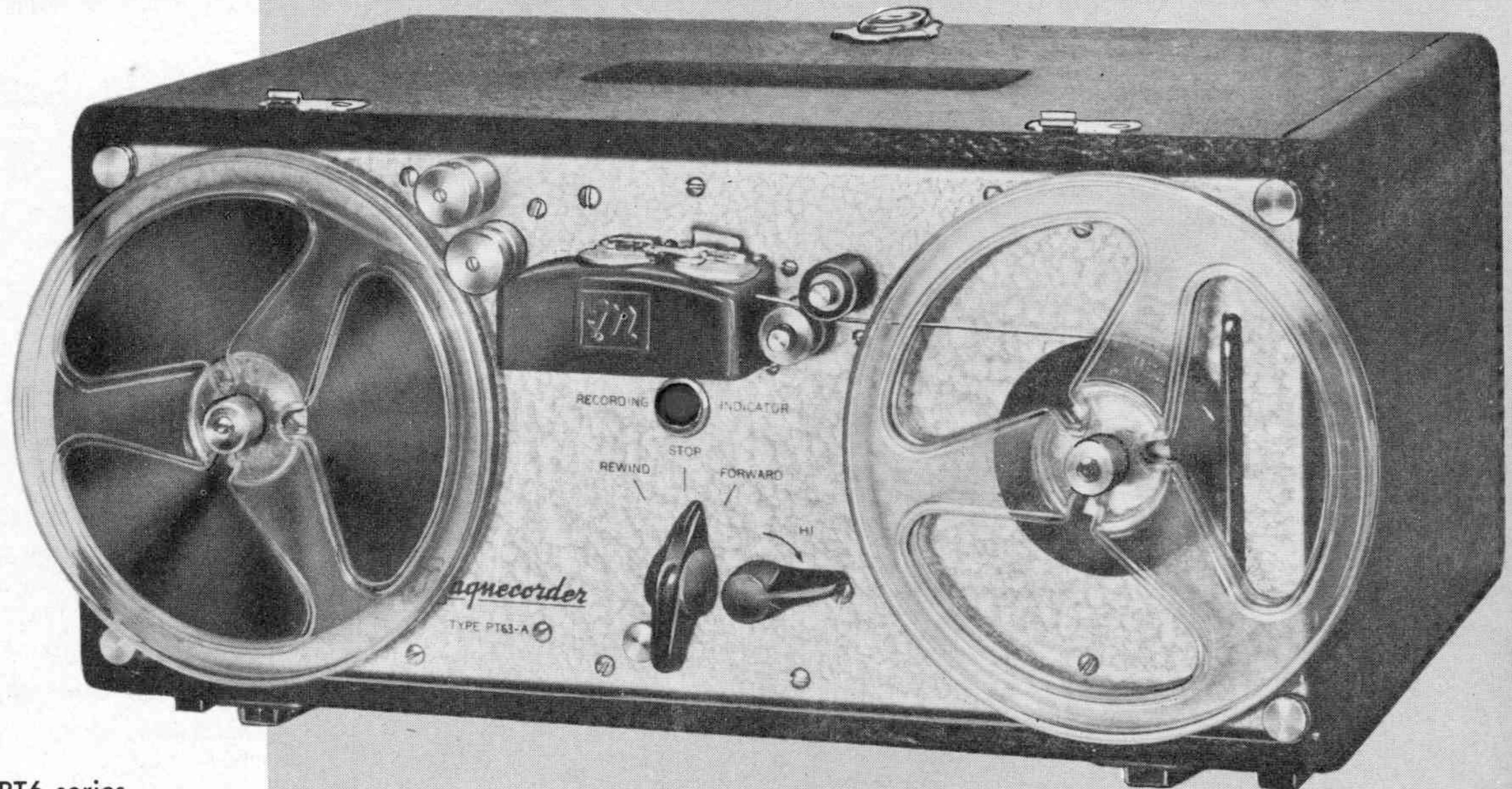
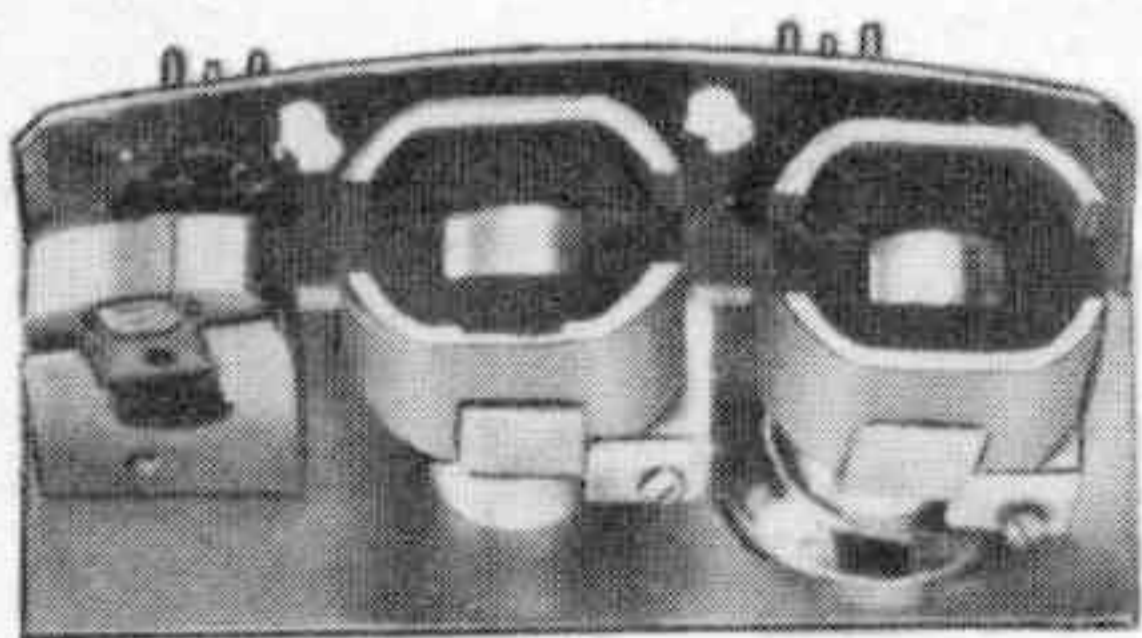
# **M**agnecorder

MONITOR YOUR MAGNECORDINGS DIRECTLY FROM THE TAPE

## 3 HEADS

ERASE...  
RECORD...  
PLAYBACK

to monitor from the  
tape while recording



Developed from the world famous PT6 series Magnecorder, the PT63 offers the same wide-band response and fidelity, plus the new three head assembly to monitor directly from the tape while recording. Separate erase, record and playback heads are triple shielded to prevent cross-talk and hum and each can be individually aligned or replaced.

Same size and weight as PT6-A mechanism, the PT63-A is complete with capstans for 7½" or 15" tape speeds. Designed for use with PT63-J or PT7 amplifiers for monitoring directly from the tape.

Shown above is PT63-AH with Hi-speed forward feature for fast cueing or editing. PT63 recorder may be rack mounted with PT6-H adapter panel. To order mechanism, less portable case, specify PT63-AX or PT63-AHX.

PT63-A mechanisms accommodate standard 7" reels and can be used with all PT6 accessories except PT6-HT or T. See PT63-HT throw-over switch for continuous recording when using two PT63-A mechanisms and 1 amplifier.

## 3 SPEEDS

3 speeds (3¼"—7½"—15") obtained by ordering PT63-A mechanism with two-speed hysteresis synchronous motor. Dual-track heads also at slight additional cost, if you prefer.

## MONITOR DIRECTLY FROM THE TAPE!

### PT63-J HAS SEPARATE RECORD AND PLAYBACK AMPLIFIERS.

For simultaneous playback of tape while recording. Single low-impedance microphone input, also bridging input. Has 600 ohm, balanced, zero level output and 10 watts of audio with terminals for external speaker. 5" monitor speaker. Switch for 7½" or 15"/sec. tape speed equalization. Switch for reading bias, record or playback on 3" or 4" VU meter. 7" x 19" for direct rack-mounting. Gray hammerloid panel. Can be used with PT6-IM3 or IM4 for low-level mixing of 3 or 4 low-impedance mikes.

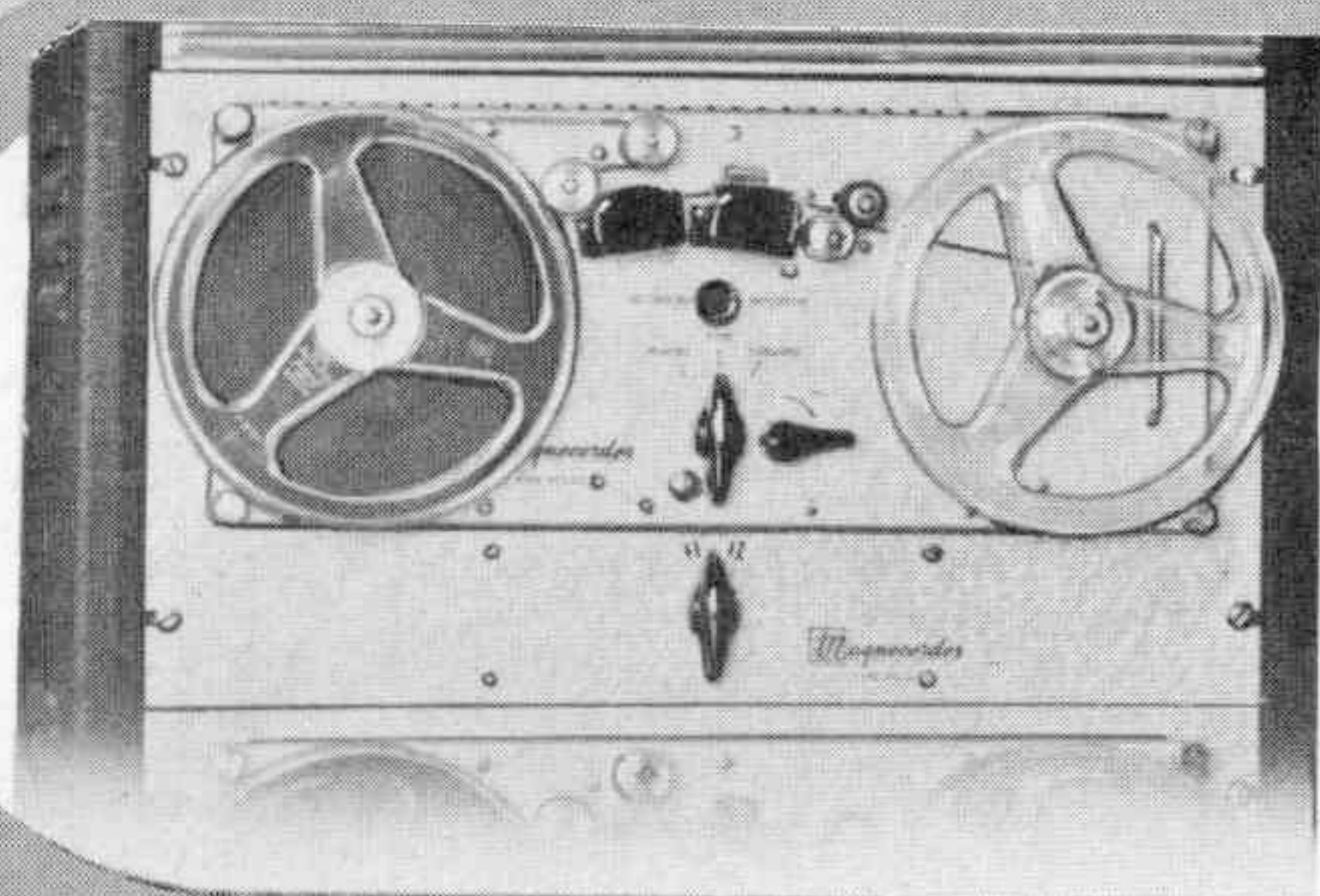
For PT63-J amplifier, less case, order Model No. PT63-JX. Weight: 22 lbs.



# Magnecorder

## ACCESSORIES for every purpose!

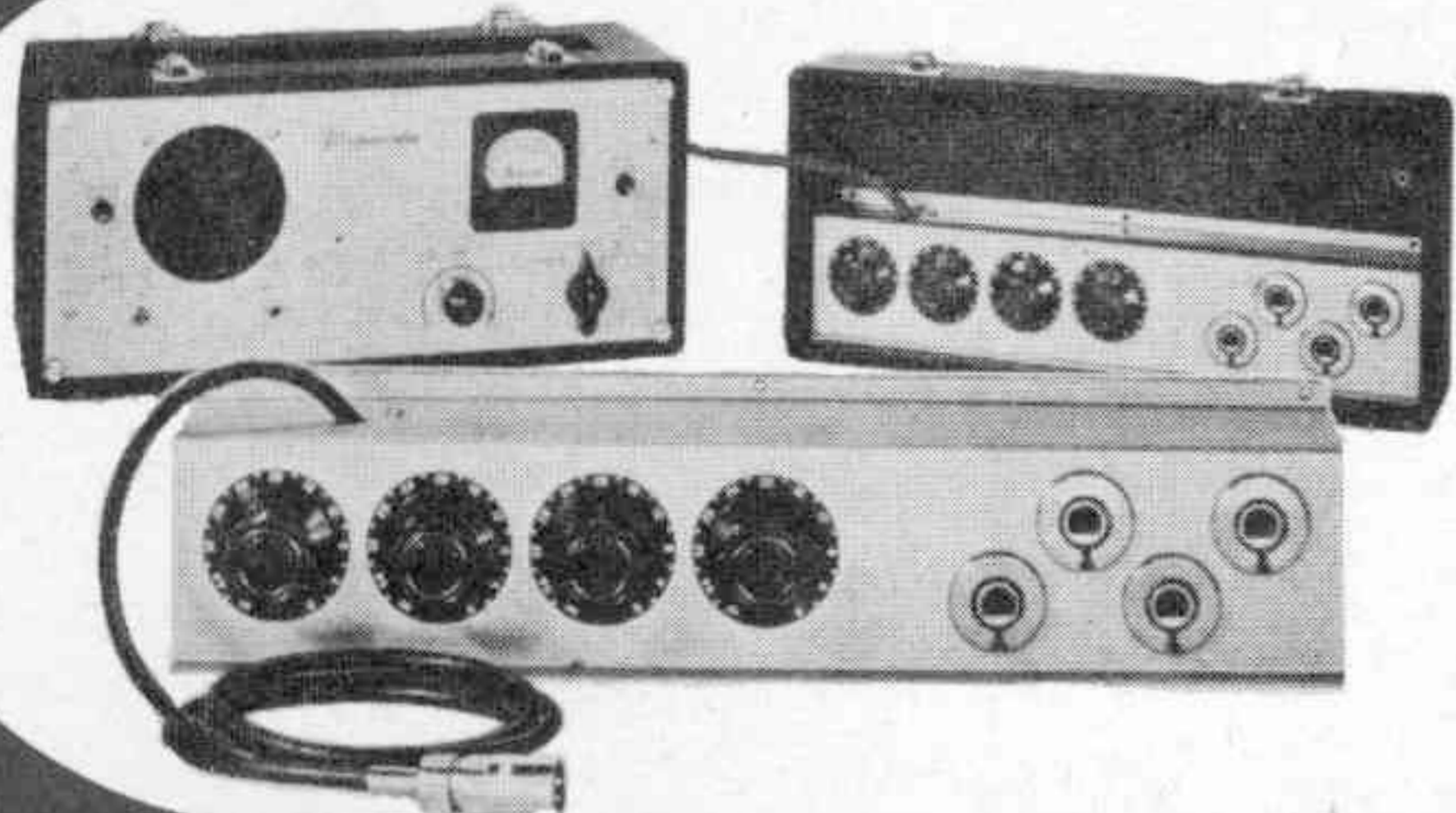
... World's most versatile  
Magnetic tape recording equipment



**PT6-HT**... Throwover switch to interconnect two PT6-A recorder mechanisms for continuous recording. Uses one amplifier alternately. Adapter panel on PT6-HT holds one PT6-AX. Order PT6-H panels for other PT6-A and PT6-J amplifier (or use with PT6-R rack-type amplifiers). 19" Wide x 10½" High. Complete with interconnecting cables. Weight: 3½ lbs.

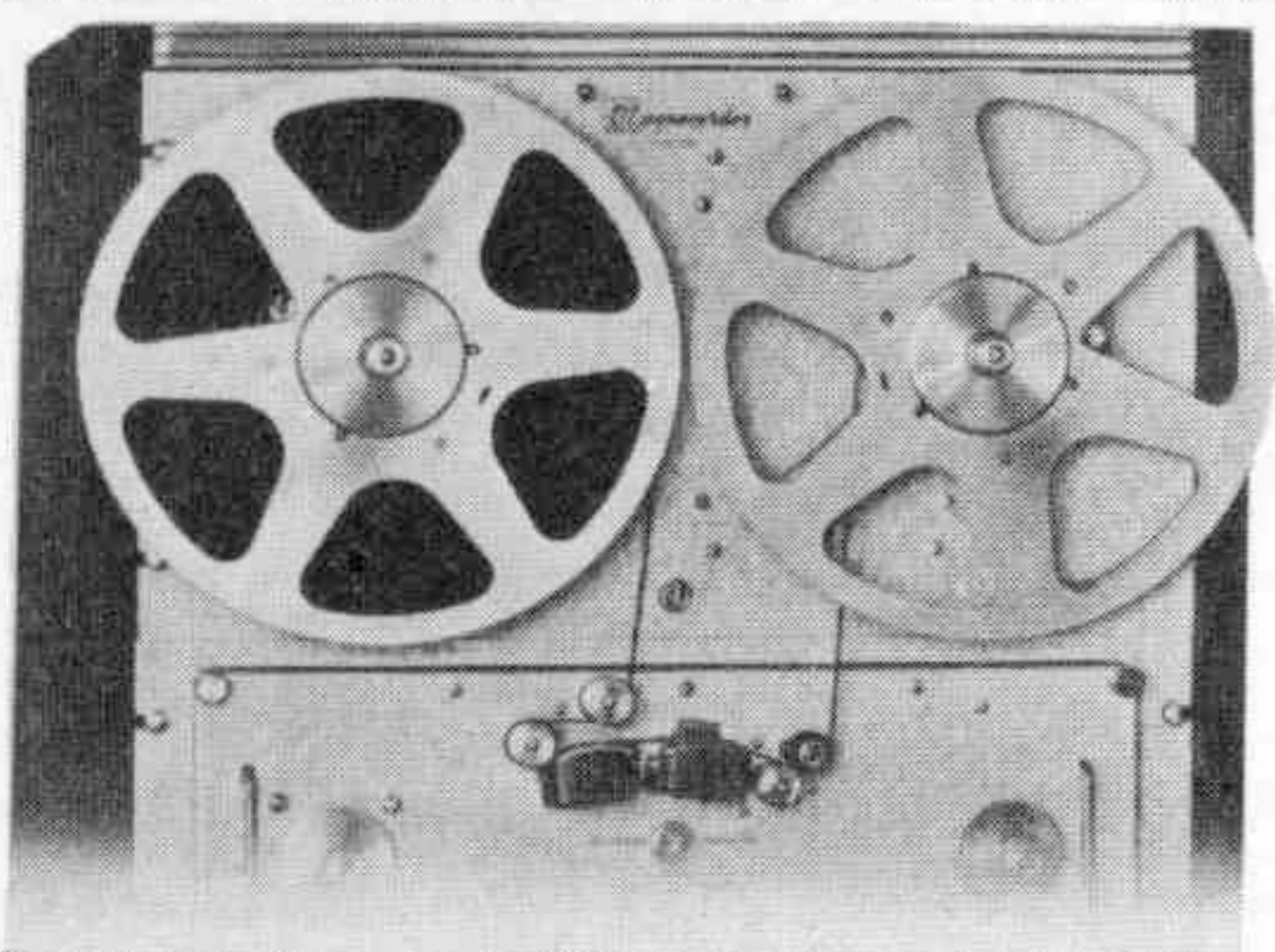
**PT6-T**... Same as above, less adapter panel (for continuous recording with 2 units on remotes).

**PT63-HT**... Throwover switch and panel for continuous recording with PT63-A mechanisms.



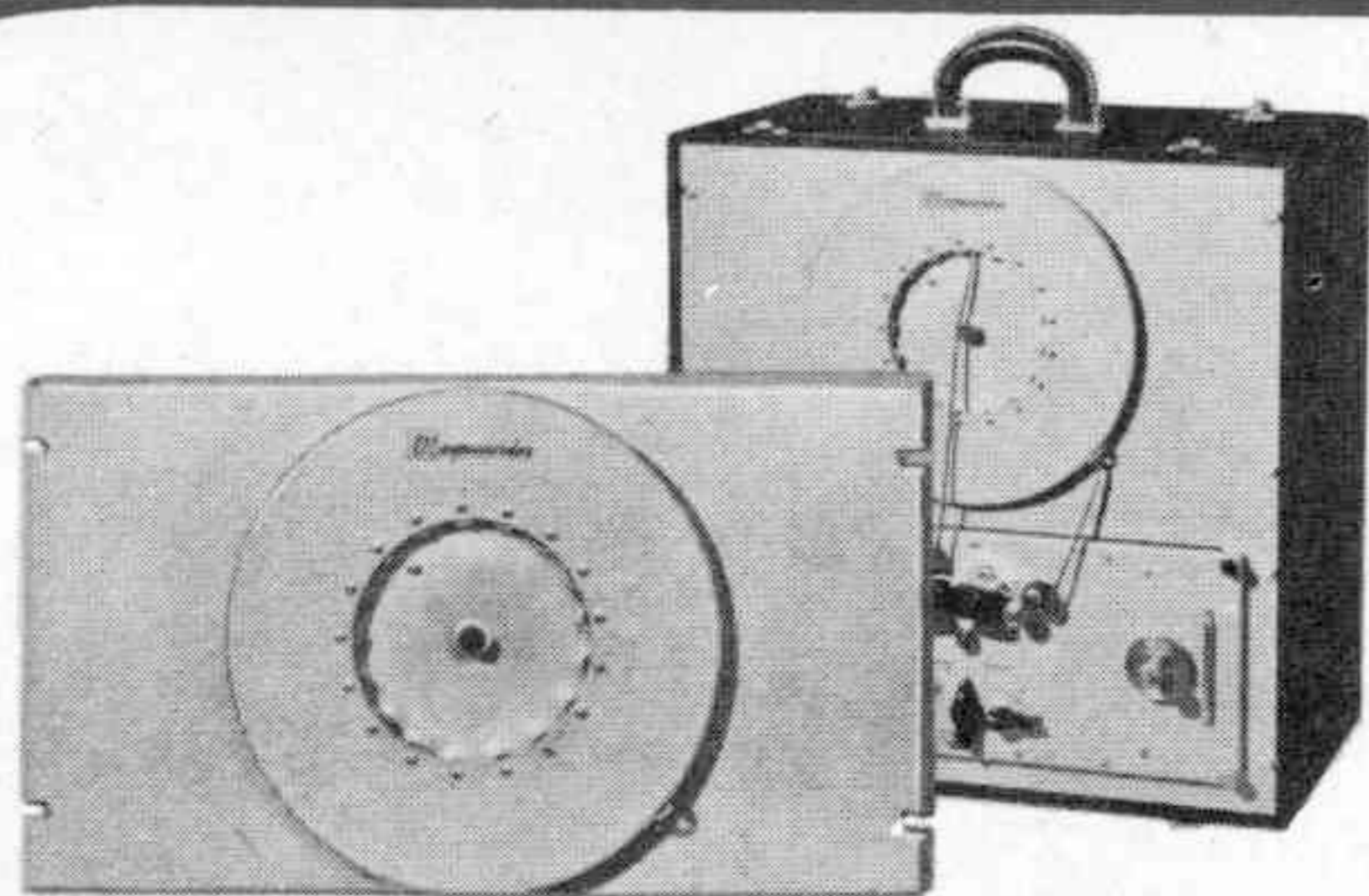
**PT6-IM4**... Multi-channel low level mixer for up to four 30/50 ohm low impedance microphones. Use with PT6-J or PT63-J single microphone input amplifiers. 17" long and mounts in amplifier case cover. Mixer plugs into microphone input on amplifiers. Gain-control on amplifier acts as master for all microphones. Uses 4 ladder type attenuators (2 db per step). Cannon receptacles and plugs. Weight: 3½ lbs.

**PT6-IM3**... Multi-channel mixer same as above for three low-impedance microphones.



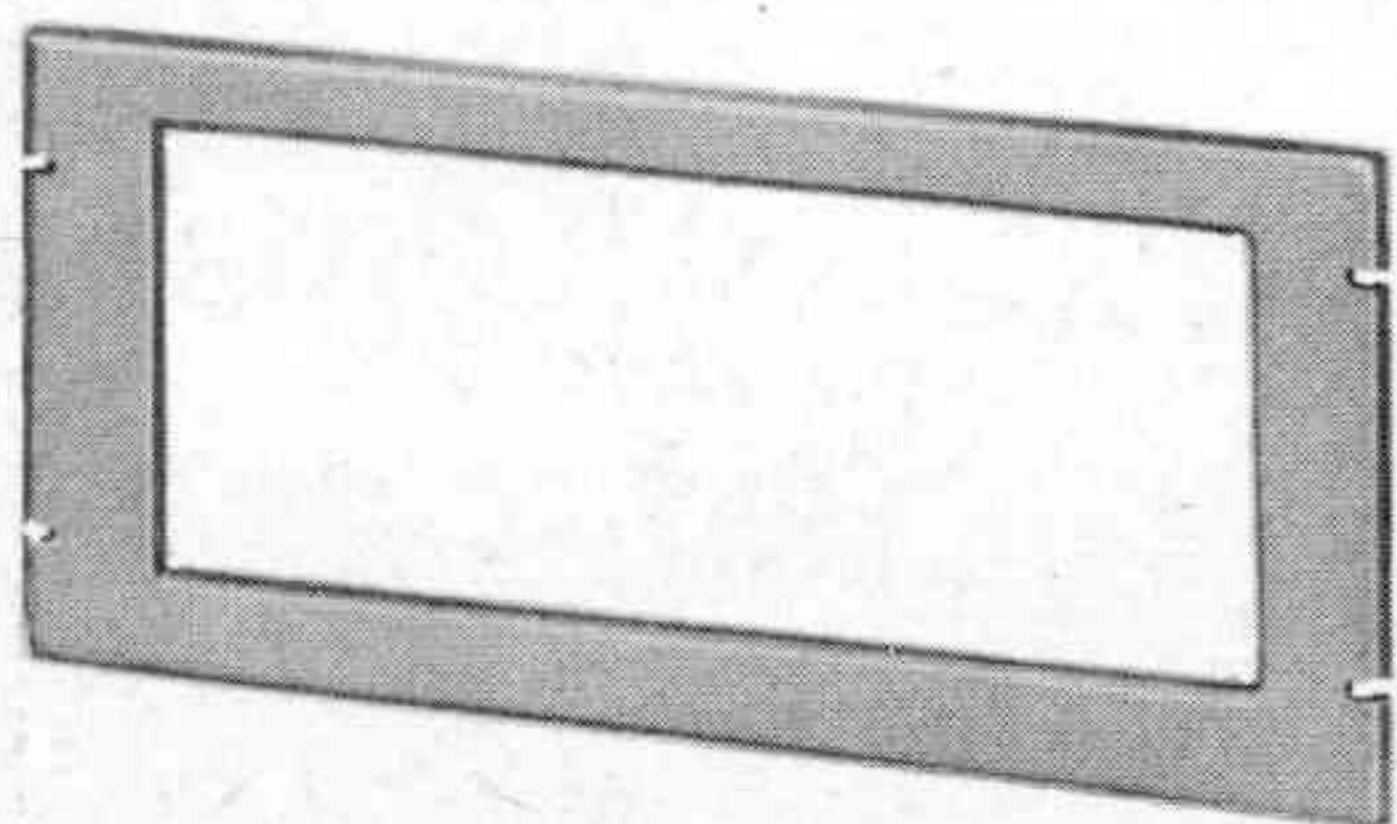
### PT6-M... AUXILIARY SPOOLING MECHANISM FOR 10½" REELS

Mechanism accommodates standard NAB 10½" reels to double normal recording time on PT6 and PT63 recorder mechanisms. 10½" x 19" wide for direct rack mounting or can be used in PT6-MA case with recorder mechanism for remotes. Separate rewind and take-up motors. Complete with interconnecting cables. Gray hammerloid finish. No reels included... adapter hubs only. Weight: 20 lbs.



### PT6-EL... CONTINUOUS LOOP PANEL — ELIMINATES REWINDING TAPE!

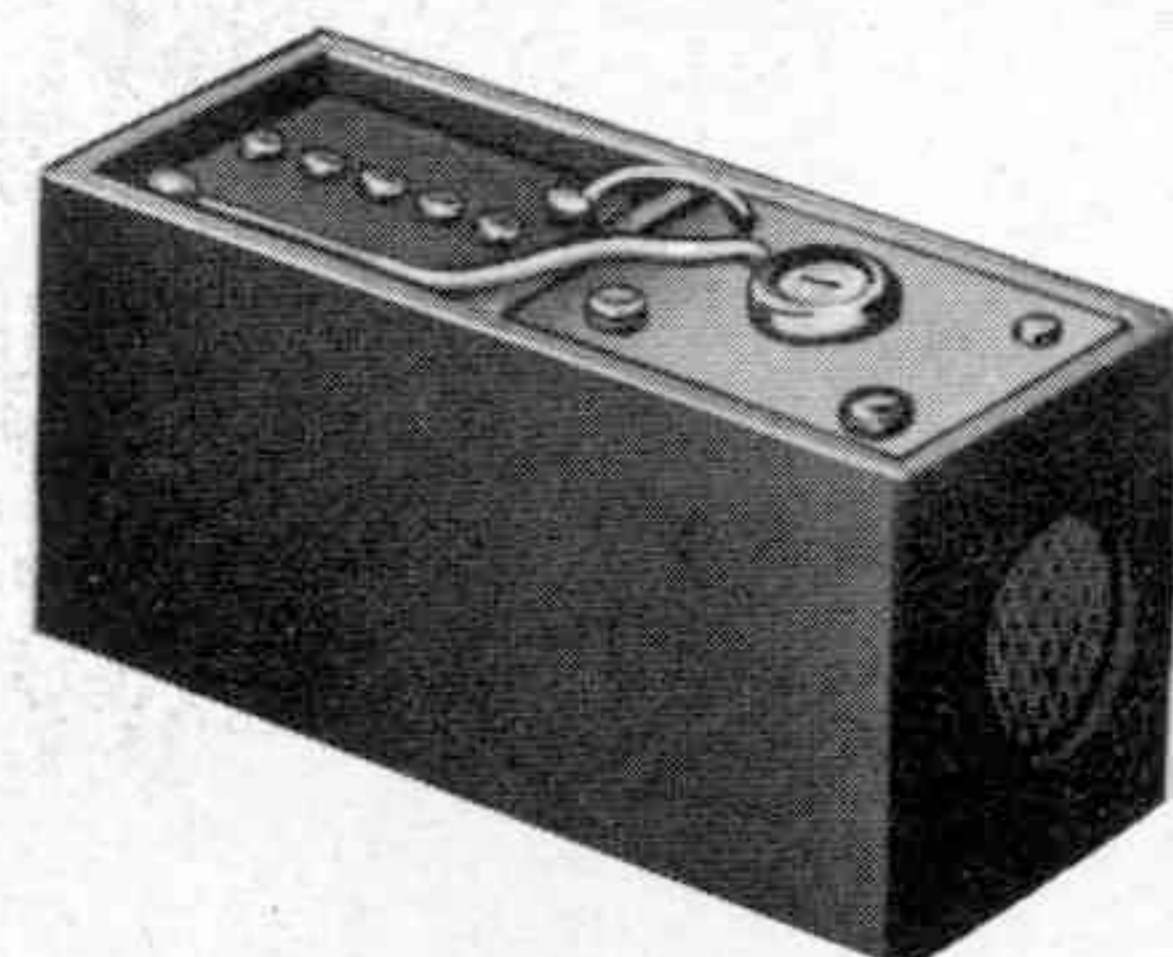
Holds up to 600 feet of standard ¼" tape in an endless loop. (15 minutes at 7½" per second tape speed. Tape feeds into outer rim of magazine and passes out of center of magazine down over normal tape path of recorder mechanism. Continuously replays recordings from 2 seconds to 15 minutes in length. 19" wide x 10½" high. Gray hammerloid finish. Weight: 5 lbs.



**PT6-H**... Adapter panel for rack mounting PT6 or PT63 recorders and amplifiers. Does not include knurled mounting screws. Finished in gray hammerloid enamel. Size: 19" wide x 8¾" high. Opening accommodates 7" x 17" panel. Weight: 1 lb.

### PT6-S... PORTABLE POWER SUPPLY FOR MAGNECORDER

Supplies 117 volt 60 cycle AC from 12 volt DC self-contained airplane type battery. Includes battery, Carter genemotor, frequency meter and frequency control. Runs a recorder mechanism or amplifier for one hour. Weight: 70 lbs.



THE

# PT7-CC

## AMERICA'S MOST VERSATILE STUDIO CONSOLE COMBINATION

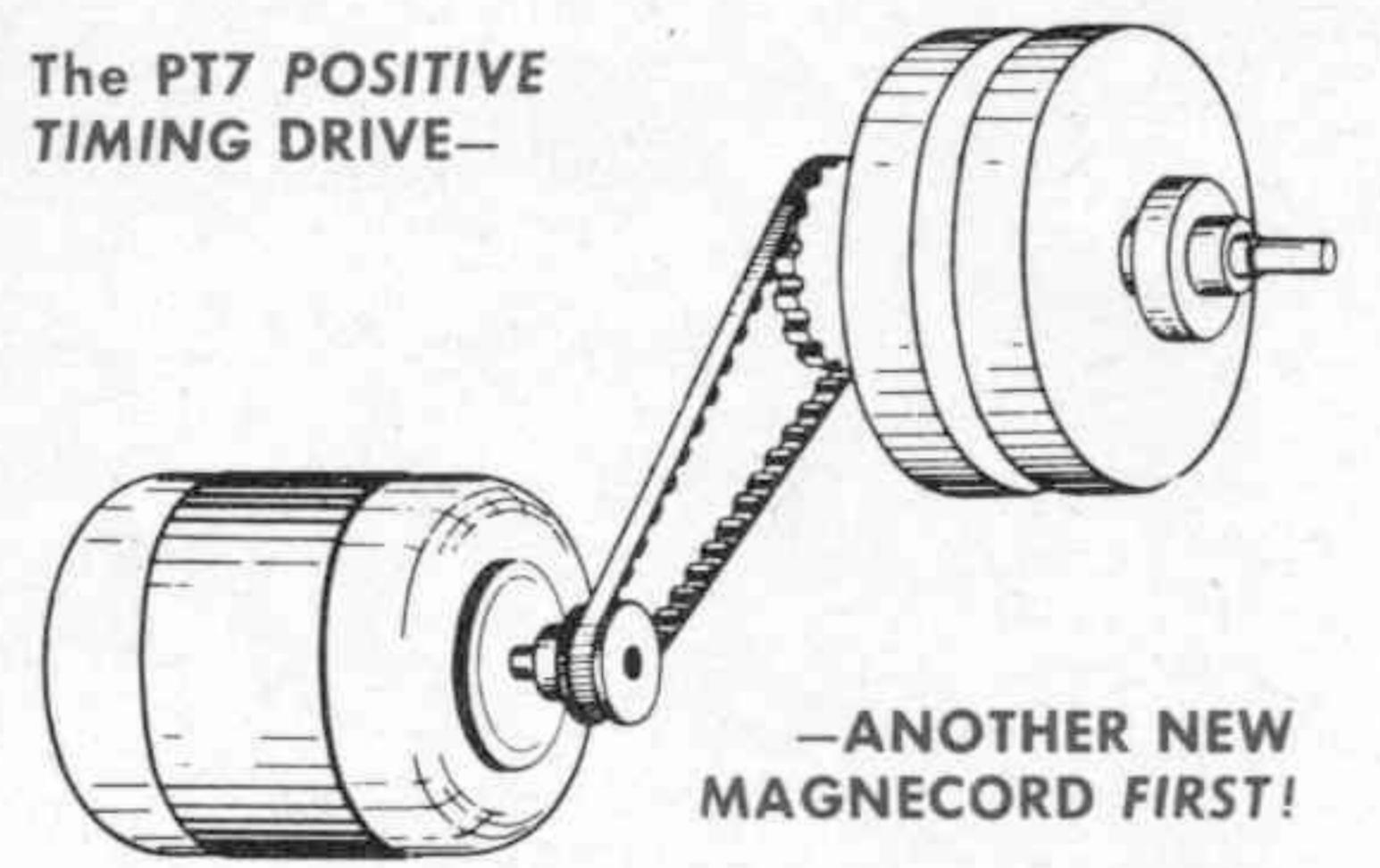


Now... a complete console featuring the PT7 recorder mechanism. This handsome value offers you maximum flexibility in the studio—permits you to combine a PT63-J, PT7-C or PT7-P amplifier with PT7-AX mechanism. These functionally designed units are housed in a beautifully finished wood cabinet that has a Formica top with chrome trim. Plenty of storage space for reels and extra equipment. Size overall 25" wide, 24½" deep, 38" high. An amazing console value for your studio recording.

*For table-top model, see Magnecord's Consolette. Combines PT7-AX recorder mechanism with PT63-J, PT7-P or PT7-C amplifier. Makes an ideal one-case portable. (Cover not shown).*

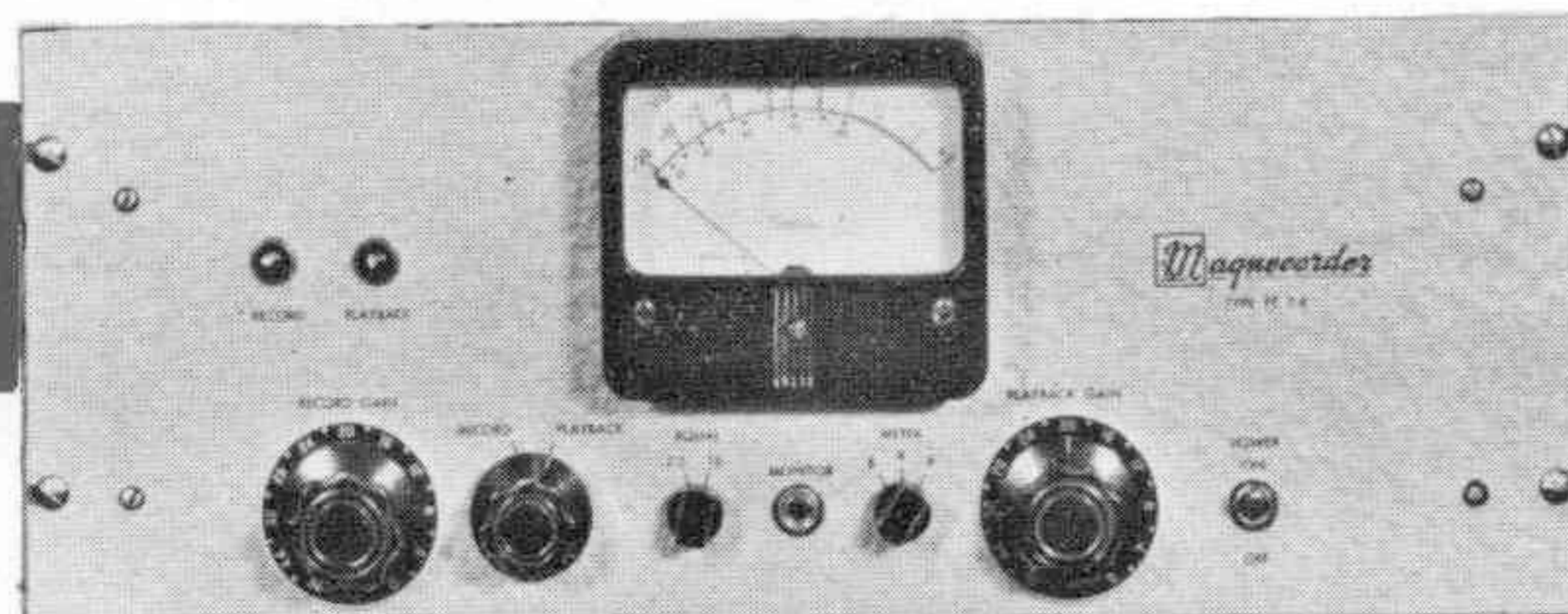


The PT7 POSITIVE TIMING DRIVE—



*Two Flywheels—a double filter—driven by a flexible neoprene gear-toothed coupling that will assure accurate timing always. No slippage or wear. No lubrication is required! A perfected, dependable recorder drive, surpassing all others.*

### PT7-C



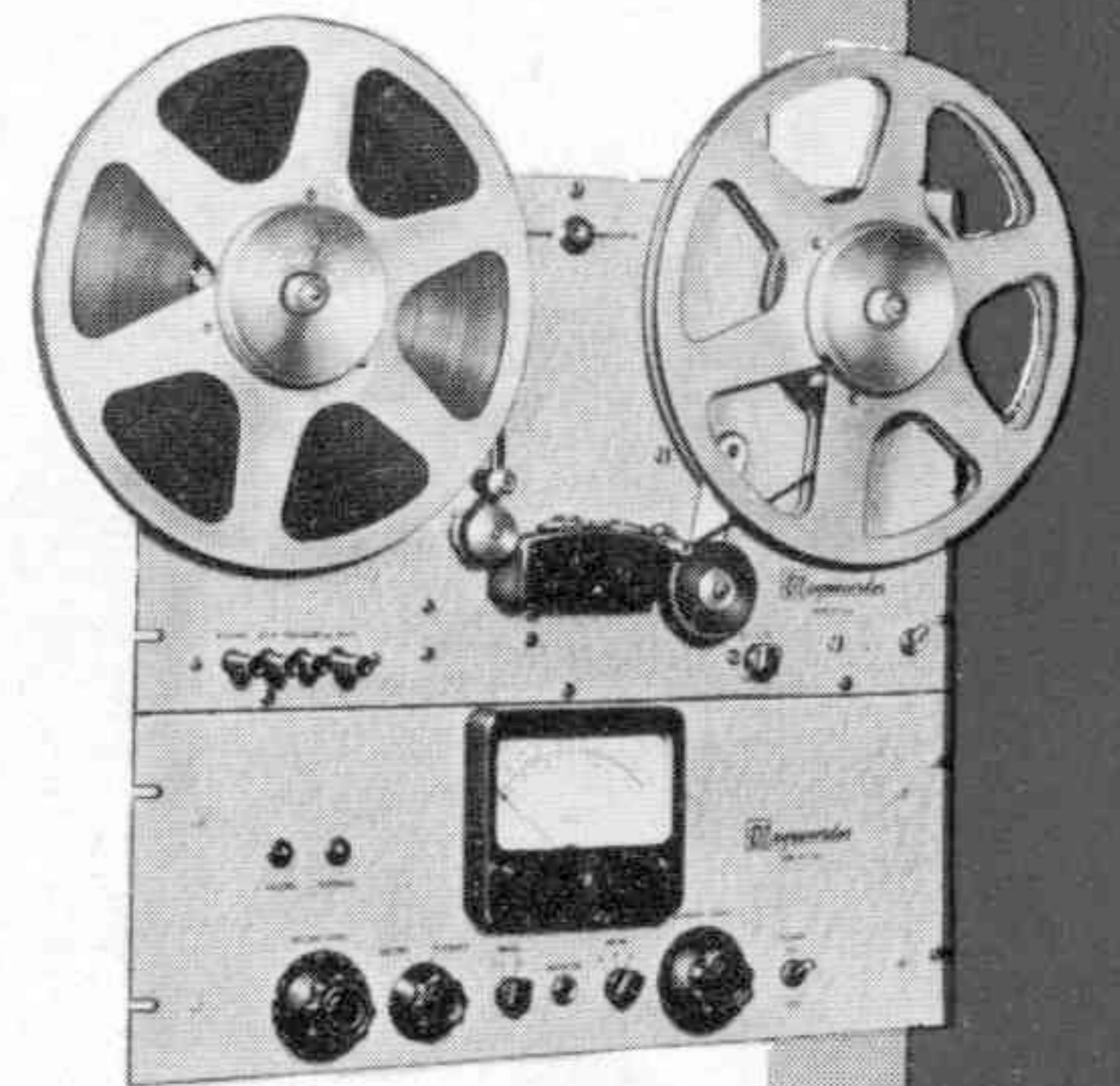
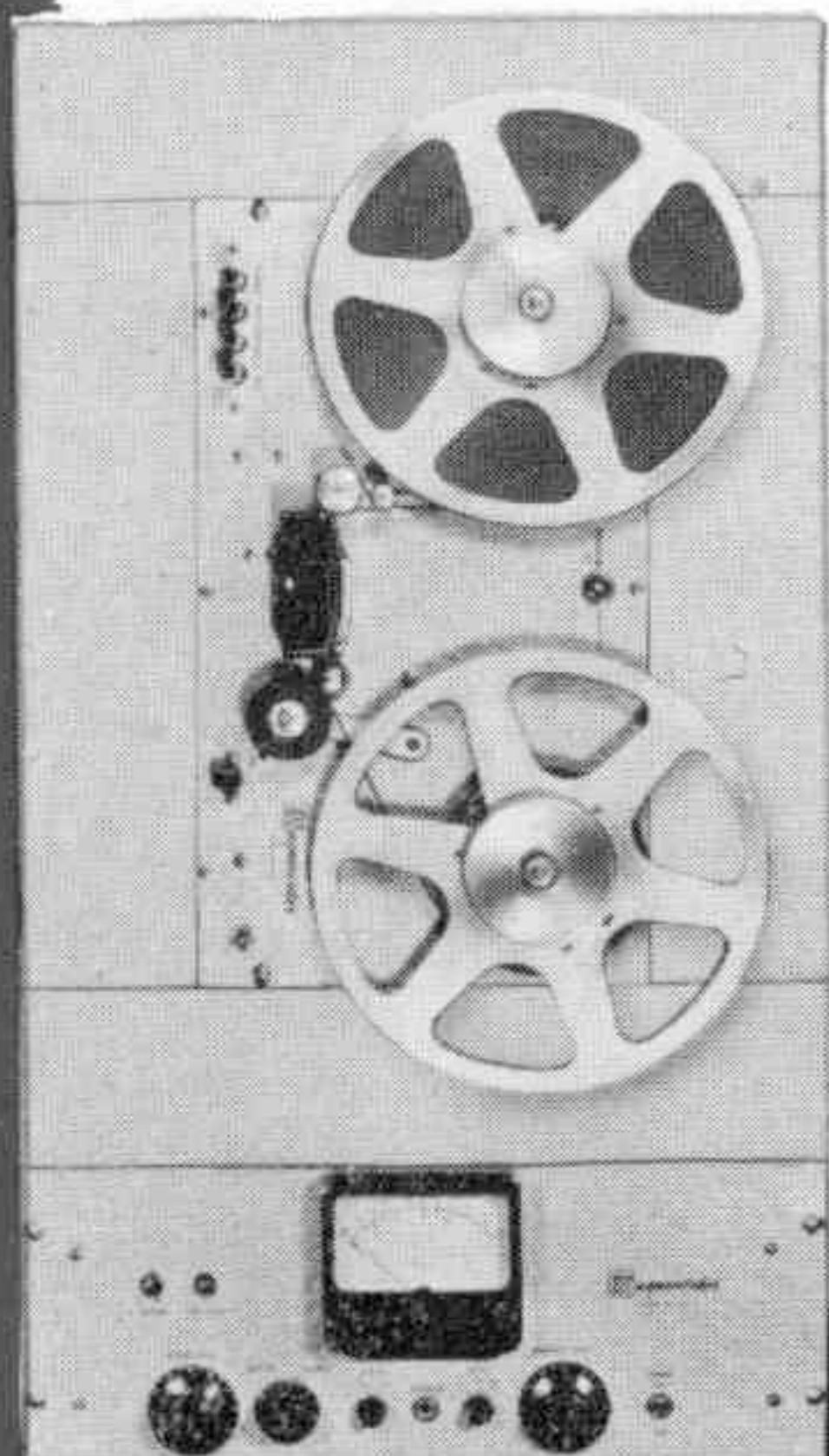
### LINE LEVEL AMPLIFIER

19" wide for direct mounting in Console Rack, or Portable. Input: 600 ohm, balanced—also bridging input. Output: zero level at 600 ohm, balanced. Switch for 7½" or 15"/sec. tape speed equalization. Switch for bias, record or playback reading on 4" illuminated VU meter. Complete with tubes—interconnecting cables are attached to PT7-A. 7" x 19" Gray hammerloid enamel finish. Weight: 26½ lbs.

Use with PT7-AX for either Horizontal or Vertical rack-mounting of Mechanism. PT7-H vertical adapter panel for PT7-AX shown at left.

*Use with PT7-H adapter panel for vertical mounting of PT7-AX to prevent 10½" reel from overlapping other racks.*

*Horizontal mounting of PT7-C and PT7-AX shown at right.*



# PT7-A

## RECORDER MECHANISM FOR PORTABLE, RACK OR CABINET MODELS

### OUTSTANDING FEATURES OF THE NEW PT7-A MECHANISM

#### 3 HEADS: ERASE-RECORD-PLAYBACK...

Each can be individually replaced or aligned.  
Triple shielded to eliminate cross-talk or hum.

#### NEW POSITIVE DRIVE SPEED REDUCER...

New, non-slip system provides perfect timing of  
tape-recorder to recorder. No lost program time.

#### INSTANTANEOUS START AND STOP...

Up to full speed or stop in less than 1/10 second.

#### TWO-SPEED SWITCH ON PANEL...

Both 7½" and 15" tape speeds-changed electrically.

#### HI-SPEED FORWARD AND REWIND...

Full 10½" reels in one minute—7" reels in 30 seconds.

#### INTERLOCKED PUSHBUTTON CONTROLS...

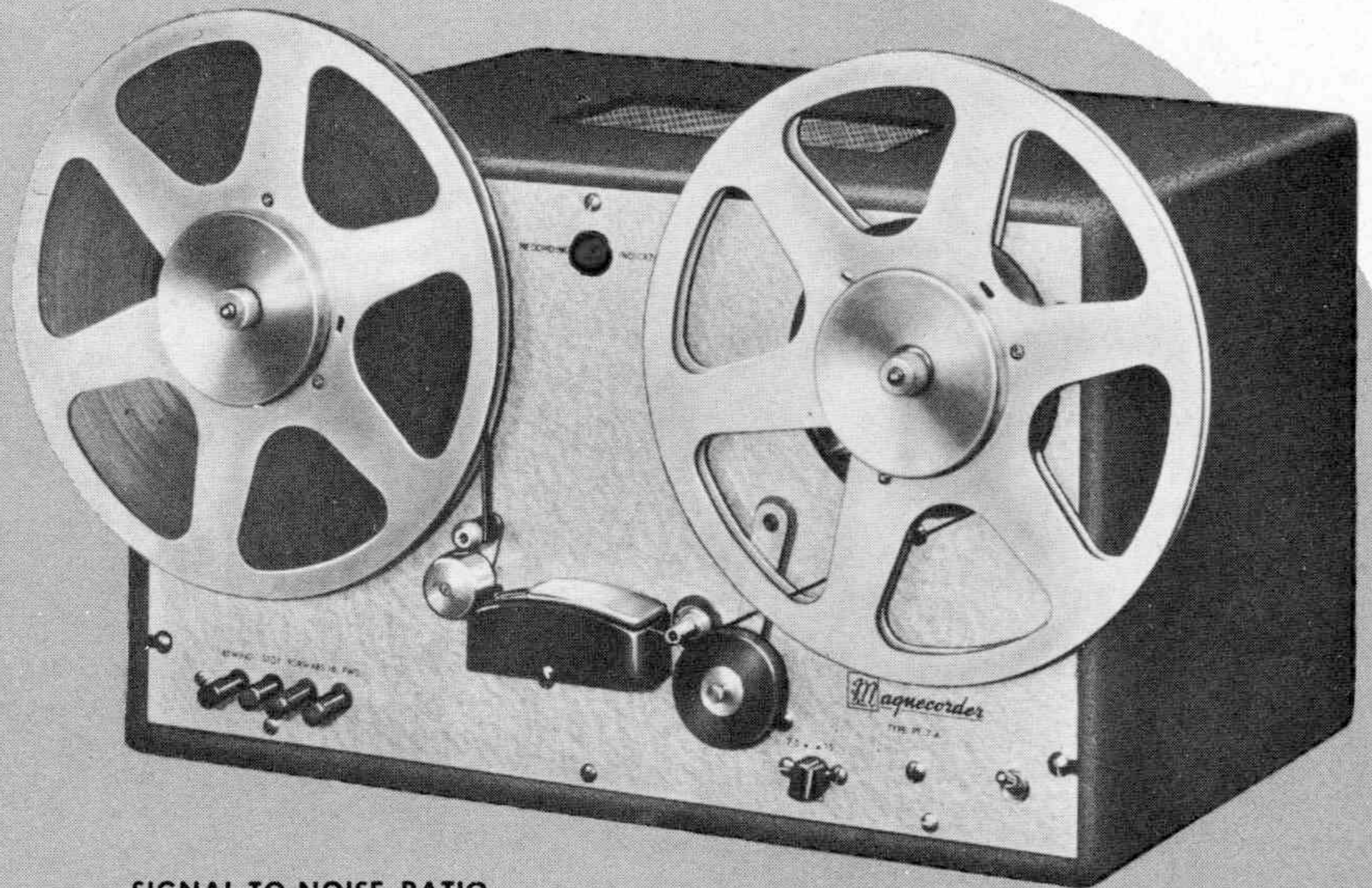
Forward, Stop, Rewind or Hi-speed. Can be remote controlled.

#### AUTOMATICALLY LIFTS TAPE FROM HEADS...

Lifts tape off heads in Hi-speed Forward or Rewind.

#### FREQUENCY RESPONSE...

Flat from 50-15000 cps, ±2 db at 15" tape per second.  
Flat from 50-7500 cps, ±2 db at 7½" tape per second.



#### SIGNAL-TO-NOISE RATIO...

Over 55 db with less than 2% harmonic distortion.

#### FLUTTER AND WOW...

Less than 0.1% maximum (peak to peak) at 15"/second.  
Less than 0.2% maximum (peak to peak) at 7½"/second.

PT7-A: Panel size 19" x 10½" — Weight: 42 pounds.  
Unit requires 117 volt, 60 cycle AC—90 watts.



### PT63-J SINGLE MICROPHONE INPUT AMPLIFIER FOR PT7-A

Has separate record and playback amplifiers. 30/50, or 250 ohm microphone input—also bridging input. Output: zero level at 600 ohms, balanced, and, 10 watts of audio for monitor speaker or to drive external speaker. Switch for 7½" or 15" tape speed equalization. Switch to read bias, record or playback on 3" VU meter. Available with 4" VU meter, if ordered. Complete with tubes and interconnecting cables. 19" x 7" for console, rack or portable use. Can be used with PT6-IM multi-channel low-level mixers.

For PT63-J, less case, order PT63-JX. Weight: 22 lbs.



### PT7-P THREE CHANNEL, HIGH LEVEL MIXING AMPLIFIER

Has separate record and playback amplifiers. Inputs for 3 low-impedance 30/50, or 250 ohm microphones have separate pre-amp for each with high-level mixing. Also bridging input. Output: zero level at 600 ohms, balanced, and, 10 watts of audio for monitor speaker or to drive external speaker. Switch for 7½" or 15" equalization. Switch to read bias, record or playback on 4" illuminated VU meter. Complete with tubes—interconnecting cables are attached to PT7-A. 7" x 19" — complete on one chassis for console, rack or portable.

For PT7-P, less case, order PT7-PX. Weight: 20 lbs.



**SETS THE PACE**

**WITH NEW MAGNETIC RECORDING DEVELOPMENTS**

**YOUR MAGNECORDER IS ALWAYS UP-TO-DATE!**

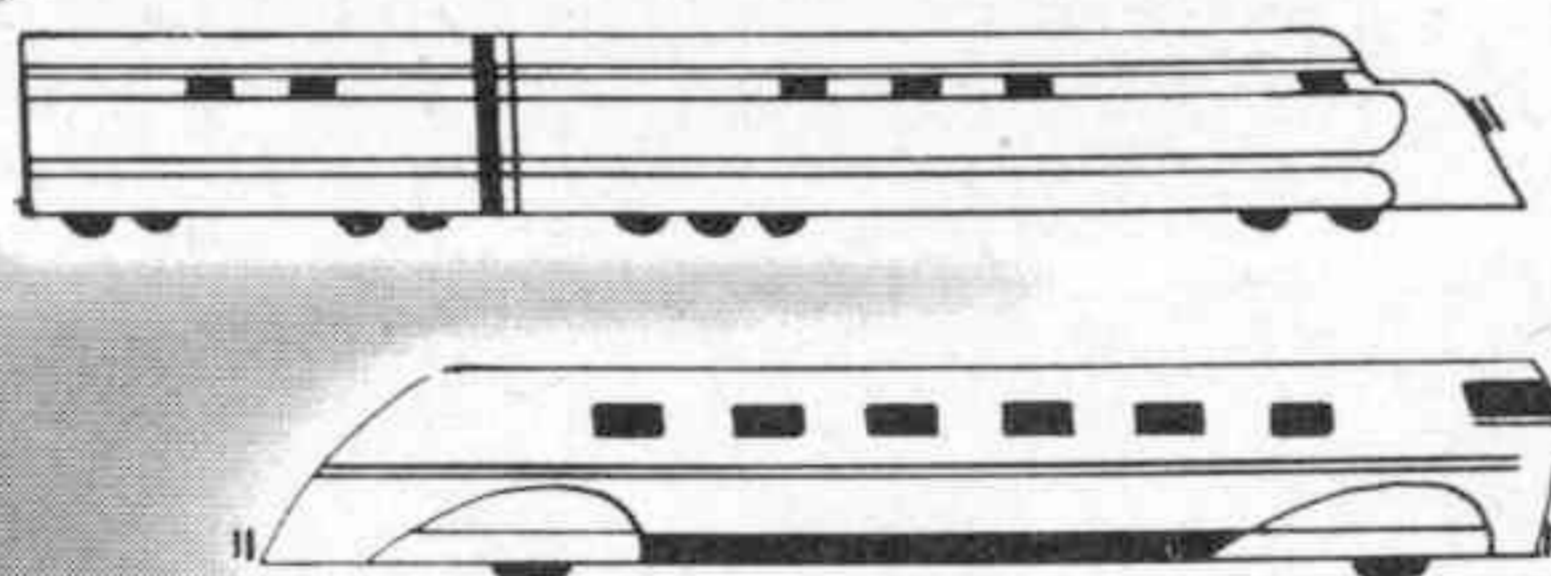
Special conversion or modification kits are available for your Magne recorder to fill every specific magnetic recording problem.

If your present Magne recorder is not so equipped, you can have Hi-speed forward for fast cueing-in, three heads to monitor the tape while recording or a special motor kit for all three speeds (3 $\frac{3}{4}$ "—7 $\frac{1}{2}$ "—15"). Dual-track, or bi-naural heads, are also available. You'll find Magne recorder conversion kits inexpensive and easy to install.

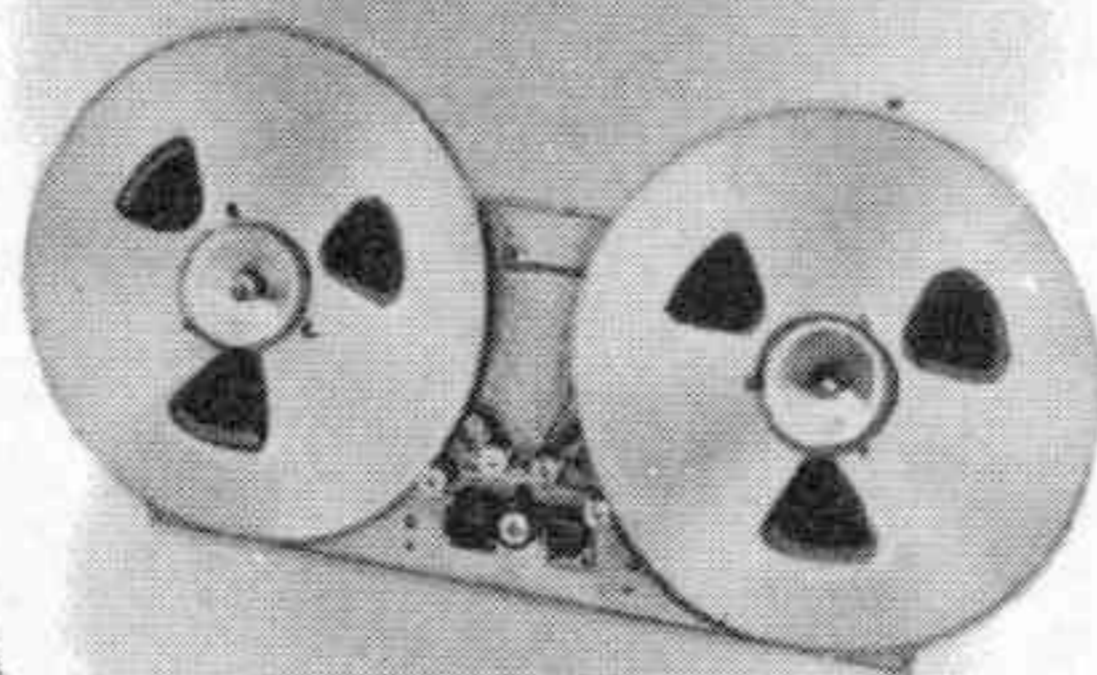
**MAGNETIC RECORDING IS OUR BUSINESS!**

As specialists in the field, we devote our entire efforts toward making today's finest equipment even better tomorrow. Because of this, our engineering facilities are the finest available and fully capable of tailoring a job to your specific problem.

If the equipment on the preceding pages of this catalog do not fill your requirements, we will be glad to analyze the problem and offer a solution for your particular application. To date, many industrial, governmental and commercial requirements have been filled through special development ... Perhaps we can do the same for you.



See the new 4-hour playback unit for trains, buses, restaurants, etc. Another Magne recorder development. Model 4-14X for continuous programming.



Used extensively by Broadcasters, industrial laboratories, schools or businessmen, you'll find Magne recorders everywhere. When sound needs to be recorded and reproduced, Magne recorder will do it best. It's the first choice of engineers who demand the finest in professional tape recording.

**FOR COMPLETE INFORMATION**

**SEE YOUR LEADING MAGNECORDER DISTRIBUTOR**