

Presenting the
complete
LINE

Magnecorder

for professional recording

the world around...

THE WORLD'S
MOST WIDELY USED
PROFESSIONAL
TAPE RECORDING
EQUIPMENT

-sets the standard for greater flexibility · fidelity · features!

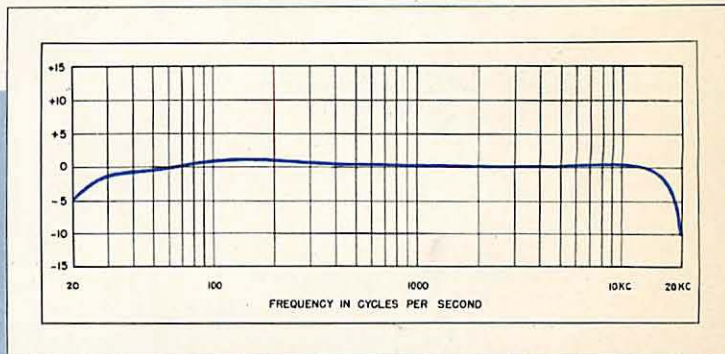


PROFESSIONAL FULL-RANGE SOUND REPRODUCTION

In every test and critical application, Magneorders prove themselves far and away the finest professional tape recorders available. That explains why Magneorder is the most widely used professional tape recorder in the world—used by more engineers and broadcasters than all others combined. Only Magneorder provides such flexibility and performance for a minimum investment.

Applications are endless. Whether it is recording vibration data and electronics phenomena for industry, or spoken words and musical sounds for schools and broadcast stations, the precision-engineered Magneorder delivers a full-range frequency response and unwavering accuracy that meet the highest standards ever set for recording. Magneorder's exclusive unit construction permits easy combining of units for every special requirement.

With a Magneorder working for you, the sound is recorded exactly as you heard it. The *actual test* on the engineering floor is preserved for permanent reference. The living voices around the conference table are captured with every cough and intonation flawlessly intact. The recorded symphony goes on the air without the slightest audible loss of "live" quality. Wherever recordings are made, we invite you to compare the Magneorder for product, performance and price. Prove to yourself that Magneorder has more to offer you than any other professional recording instrument!



MAGNECORD SPECIFICATIONS

FREQUENCY RESPONSE:

- 15" tape speed—flat from 50-15000 cps, ± 2 db.
- 7½" tape speed—flat from 50-7500 cps, ± 2 db.
- 3¾" tape speed—flat from 50-4000 cps, ± 2 db.

SIGNAL-TO NOISE RATIO:

Exceeds 55 db with less than 3% harmonic distortion.

PANEL FINISH AND CASES:

Gray hammerloid enamel. Cases of black leatherette over wood.

MAXIMUM FLUTTER:

Less than 0.3% maximum (measured ½ 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.)

YOUR MAGNECORDER IS NEVER OUT OF DATE


Separate, easily-handled recorders and amplifiers can be added unit by unit as you need them. Economical accessories and conversion kits make your Magneorder perform many new jobs, and keep it up to date with all new developments as they appear.

EASILY MOVED




Compact, lightweight, yet amazingly rugged, Magnecord recording units and amplifiers are easily carried to any location where they are needed. It takes only moments to re-mount them in the rack.

EASILY COMBINED



Any portable Magneorder can be mounted in standard 19" racks and "stacked" with other units for dubbing or continuous recording systems. Many combinations are made possible at minimum expense.

EASILY OPERATED

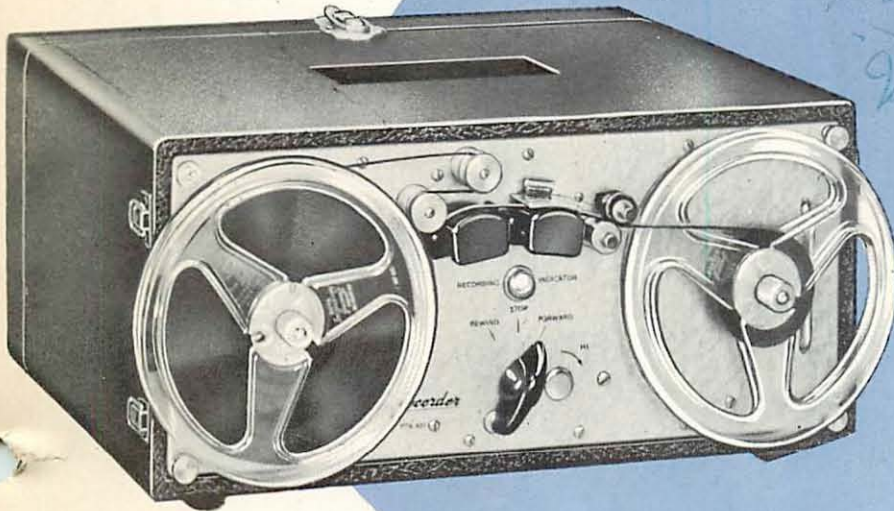


Though precision-engineered, the Magneorder is operated by a few simple controls — so easily mastered that Magneorders are ideal for high fidelity sound reproduction in your home and office. Anyone can operate a Magneorder.

PT6 Series

Magnecorders

USED BY MORE ENGINEERS THAN ALL OTHER PROFESSIONAL RECORDERS COMBINED

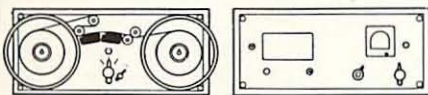


PT6-AH BASIC RECORDER MECHANISM

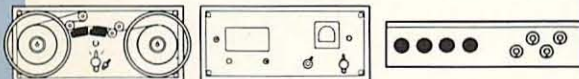
Recognized as the greatest value in the professional field. The PT6-AH has separate erase and record/playback heads, with capstans and pressure rollers for both 7½" and 15" tape speeds. Uses standard 7" reels, rewinding 1200 feet in 40 seconds. Includes hi-speed forward for fast cueing and editing. Size: 7" x 17" unit can be rack-mounted with PT6-H adapter panel. Portable mechanism weighs less than 29 lbs. in wood-constructed, black leatherette case.

For PT6-AH recorder less case, order model PT6-AHX. Also available with 2-speed motor for all 3 tape speeds (3¾", 7½" and 15" sec.). PT6-AH recorder with dual-track heads also obtainable on special order.

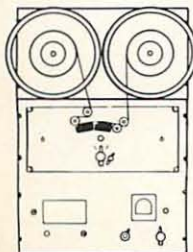
THESE IMPORTANT COMBINATIONS ARE BUILT AROUND THE BASIC PT6-AH RECORDER



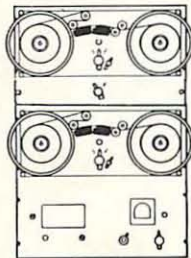
FOR REMOTES



FOR RECORDING FROM 3 OR 4 MICROPHONES



FOR STUDIO LONG PLAYING WITH AUXILIARY SPOOLING



FOR DUBBING OR CONTINUOUS LONG PLAYING



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: line 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"x17"—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.

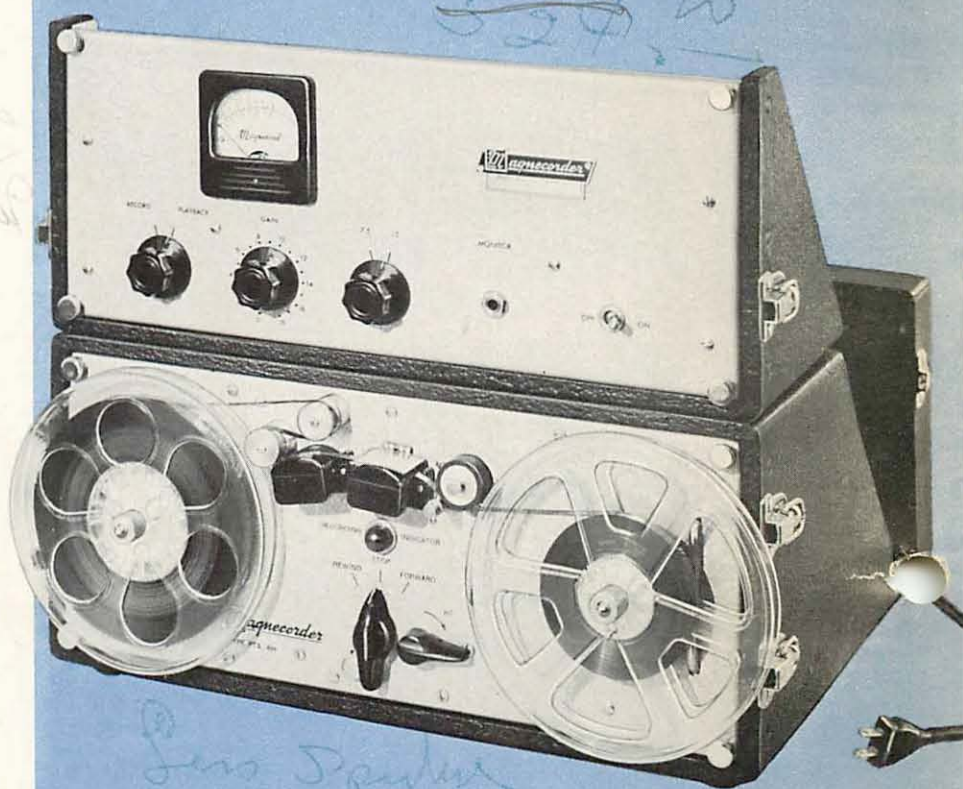
for professional recording
the world around...

THE *NEW* magnecord *Voyager*

THE FIRST ONE-CASE PROFESSIONAL TAPE RECORDER

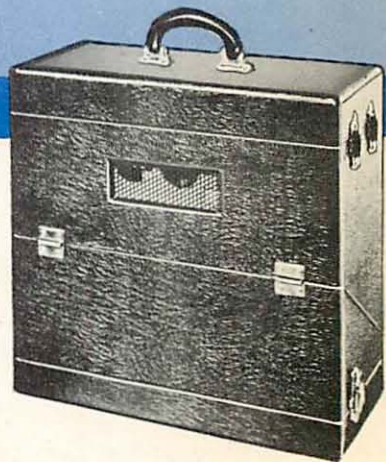
The new Magnecord Voyager PT6-VAH is a single-case portable recorder designed to lighten all remote recording chores. Built for rugged service in the field, it combines new convenience at no sacrifice of durability and strength. Like all Magnecord units, the Voyager retains the superb quality that has made Magnecord the most widely used of professional tape recorders around the world.

In design, the Voyager consists of the basic PT6-AH tape transport, hinged back-to-back with a new record/playback amplifier with dual equalizer for both 7½" and 15" tape speeds. The amplifier swings up into position on top of the recorder unit at a moment's notice, or slides free for side-by-side operation. Interconnecting cables are permanently plugged in for instant set-up.



THE NEW PT6-V AMPLIFIER

This new amplifier features dual equalization for 7½" and 15" tape speeds. It provides both a high impedance bridging input and a low impedance microphone input. Output, 600 ohms balanced or unbalanced, with a maximum of +10 dbm. 0 dbm corresponds to meter zero. Front panel provides an illuminated 3" VU meter and an earphone jack for monitoring both recording and playback and a switch to change equalization.



EASY TO CARRY

Overall weight of the Voyager in its sturdy wood leatherette-covered carrying case is 42 lbs. complete! Dimensions are only 7¾" x 17¾" x 19¼".

THE **NEW**

magneCordette

THE ONLY PROFESSIONAL TAPE RECORDER
FOR HOME AND OFFICE

THE LONG AWAITED
TABLE-TOP RECORDER

Now! The MagneCordette supplies the first professional tape recording unit styled and priced for the home! It is the standard PT6-AH mechanical unit, equipped with a PT6-G "custom" amplifier and enclosed in a beautiful blond or dark rich mahogany cabinet that blends strikingly with any home decor. The MagneCordette offers both distinctive beauty and the finest in record/playback tape recording equipment.

High impedance inputs are provided for microphone and for crystal pick-up or detector output of tuner. High impedance output may be connected to input of any external power amplifier, or to the "phono" input of any radio, high fidelity, or P. A. amplifier.

Overall dimensions: 12 $\frac{1}{8}$ " H x 20 $\frac{3}{8}$ " W x 13 $\frac{3}{8}$ " D.



THE NEW PT6-G "CUSTOM" AMPLIFIER

This "custom" amplifier is both recording amplifier and playback pre-amplifier. Front panel contains "tuning eye" volume indicator and gain control, and 3-speed equalizer (3 $\frac{3}{4}$ " x 7 $\frac{1}{2}$ " x 15") selector. Earphone jack for monitoring and microphone input. Power-on pilot light. Frequency response is flat from 50-15000 cps \pm 3db at 15" per sec.



USE 10" REELS WITH MAGNECORDETTE

Your MagneCordette can be used for standard NATRB 10-inch reels with MagneCord's new adapter arms. Complete adaptor mechanism, supplied at slight additional cost, includes one pair metal adapter arms, one pair rubber drive belts, two pair adapter hubs.

PT63-AH

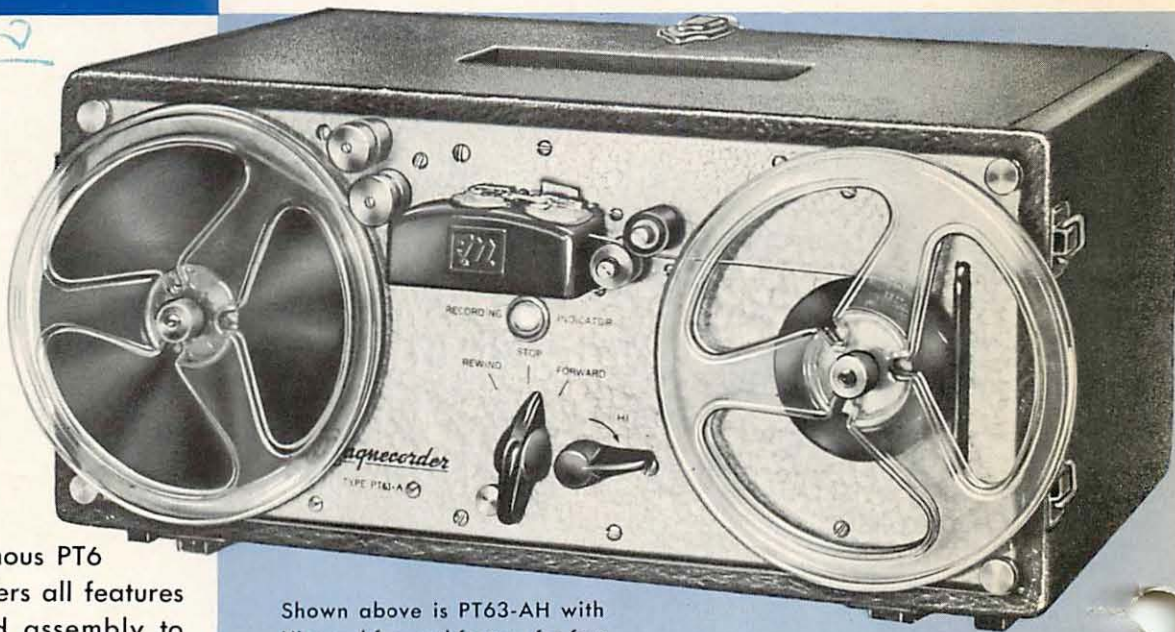
Magnecorder

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 Magnecorder, the PT63-AH offers all features of the PT6-AH, plus a 3-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-AH mechanism, the PT63-AH is complete with capstans for 7½" or 15" tape speeds. Designed for use with PT63-J amplifier for monitoring directly from the tape.

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

PT63-AH 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-AH mechanisms and 1 amplifier.

3 SPEEDS

3 speeds (3¾" x 7½" x 15") obtained by ordering PT63-AH mechanism with two-speed hysteresis synchronous motor. Dual track heads also at slight additional cost, if you prefer.



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, line 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.



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: line 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 — on one chassis for console, rack or portable. 7" x 19"

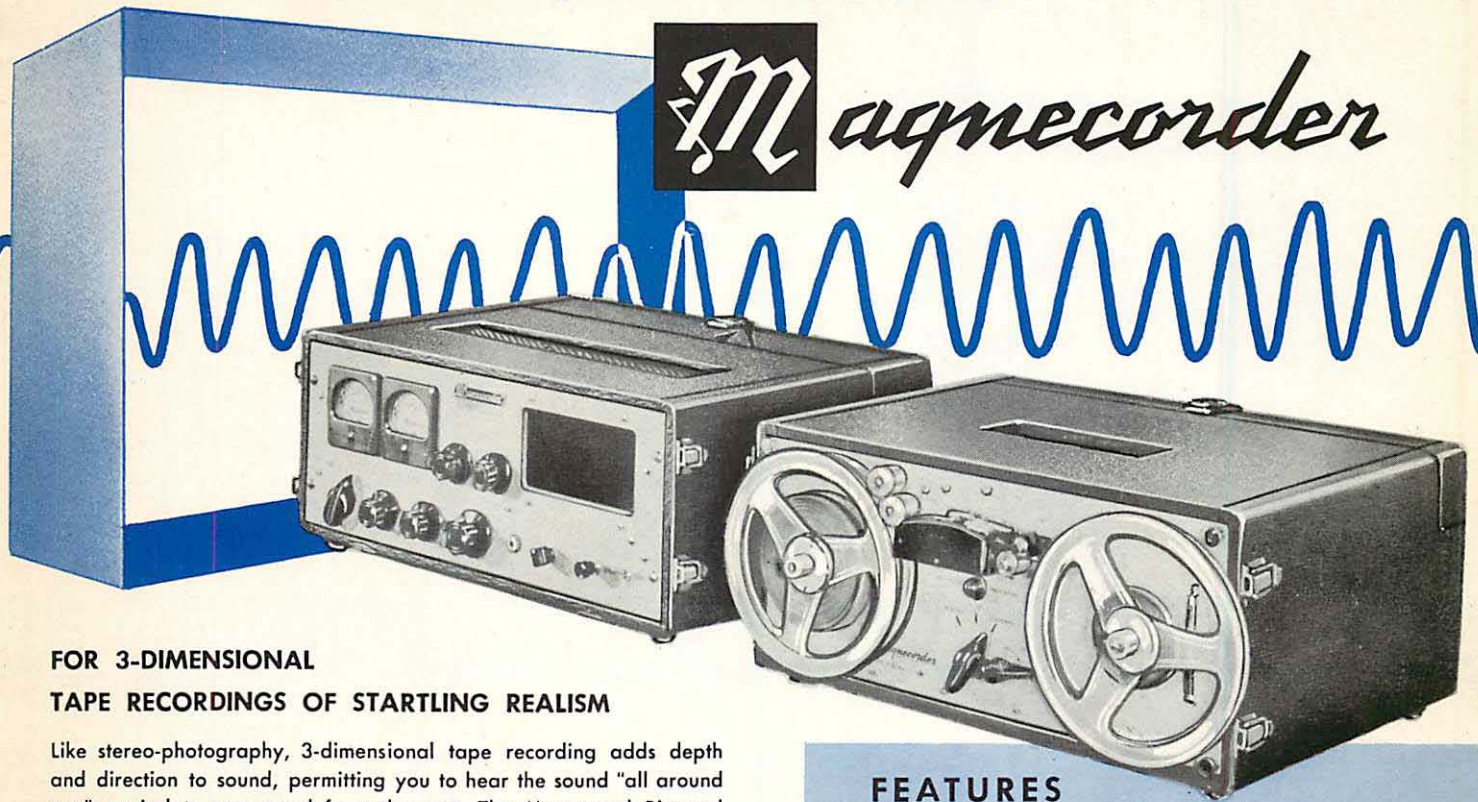
For PT7-P, less case, order PT7-PX. Weight: 20 lbs.

399.00

495.00

349.00

THE NEW *Binaural* **M**agnecorder



FOR 3-DIMENSIONAL TAPE RECORDINGS OF STARTLING REALISM

Like stereo-photography, 3-dimensional tape recording adds depth and direction to sound, permitting you to hear the sound "all around you", or isolate one sound from the rest. The Magnecorder Binaural listens "with two ears", achieving the most startling realism yet possible by a recording process.

Binaural sound is fed by two low impedance microphones into the PT6-BN amplifier. Channels are amplified separately and recorded simultaneously with dual half-track Binaural heads on standard 1/4" magnetic tape. "Binaural" playbacks employ the Binaural amplifier plus earphones or two converging speakers.

For recording music, Binaural achieves "natural" reproduction of a degree never before available, virtually duplicating the original performance for instructional purposes or greater listener enjoyment.

As a research tool for industry, the Binaural system can be used either for 3-dimensional sound studies or for any purpose where dual channels are useful in recording synchronous functions. Also, the test can be recorded on one track, with a spoken commentary or a time signal on the other.

FEATURES

CALIBRATION CIRCUIT — The PT6-BN Binaural Amplifier provides a calibration button feeding a reference signal to both channels, permitting accurate inter-channel gain adjustment during playback.

CHANNEL AND MASTER GAIN CONTROLS — Two single gain controls provide accurate variable gain control for each channel. Master gain control varies gain for both channels simultaneously.

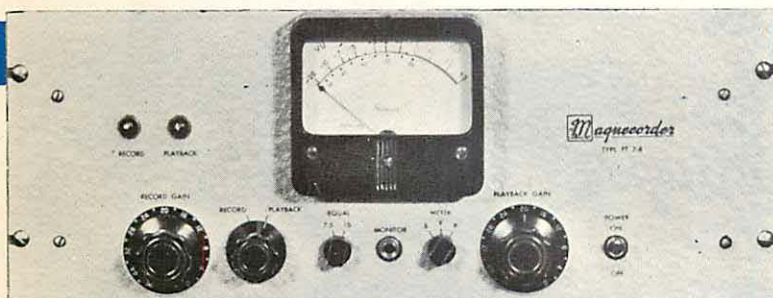
VOLUME LEVEL METERS — Two independent 3" illuminated VU meters, Scale A, permit accurate gain control of each channel as well as inter-channel level comparisons.

MONITOR SYSTEM — Built-in 6" x 4" oval P. M. speaker with fader-type volume control permits monitoring of either channel.

DUAL EQUALIZATION — Two-position switch on amplifier panel selects 7 1/2" or 15" equalizations.

SPECIFICATIONS — The PT6-BAH Binaural Mechanical Unit employs a built-in oscillator using a single 12AU7 tube 6.3 volts AC at .3 amps and 300 volts at 40 ma supplied from amplifier. Dimensions: Panel 17" x 7"; Case 18" W x 8" H x 15 1/2" D. Weight: 29 lbs.

The PT6-BN Binaural Amplifier provides one low level, low impedance microphone input for each channel. Line output: 4 DBM at 600 ohms balanced from 2 binding posts. Power output: 10 watts at 4 or 16 ohms. One output for each channel. Dimensions: Panel 19" x 7"; Case 20" W x 8" H x 15 1/2" D. Weight: 37 lbs.



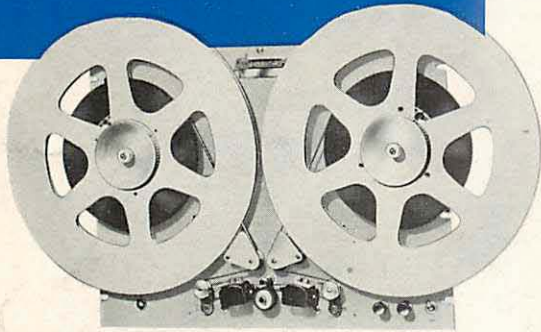
19" wide for direct mounting in Console Rack, or Portable. Input: 600 ohm, balanced—also bridging input. Output: zero level at 600 ohm, balanced. Switch for 7 1/2" or 15"/sec. tape speed equalization. Switch for bias, record or playback reading on 4" illuminated VU meter. Complete with tubes. Gray hammerloid enamel finish. 7" x 19". Weight: 26 1/2 lbs.

PT7-C LINE LEVEL AMPLIFIER

375-12

THE *NEW*

4-HOUR CONTINUOUS TAPE PLAYER



TWICE THE TIME ON THE SAME 14" REEL

The new Model 414 4-hour tape player plays for two hours at 7½" per second on one half of the 4800' dual-track tape, then automatically reverses and plays for two hours more. Provides twice the ordinary playing time for all reels up to 14" with standard ¼" tape.

Completely shock mounted to prevent vibration. Frequency response: flat from 50-7500 cps, ±2db. Signal to noise: over 50 db with less than 3% harmonic distortion. Flutter: less than 0.3%. Size 14" x 19" x 9". Complete with dual track playback heads, line-level amplifier, and indicator light.

**MIX PLEASURE
WITH BUSINESS**



airlines
railroads
buses



restaurants
roller rinks
dance studios



hotels
stores
waiting rooms



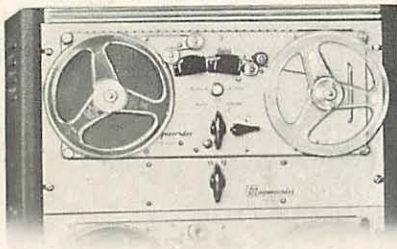
factories
offices

ACCESSORIES FOR EVERY PURPOSE

PT6-HT . . . Throwover switch to interconnect two PT6-AH recorder mechanisms for continuous recording. Uses one amplifier alternately. Adapter control on PT6-HT holds one PT6-AHX. Order PT6-H panels for other PT6-AH and PT6-J amplifier. 19" Wide x 10½" High. Complete with interconnecting cables. Weight: 3½ lbs.

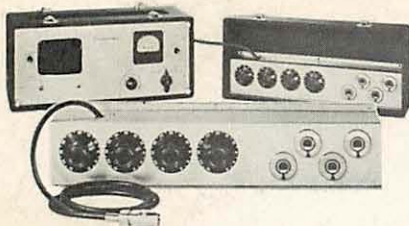
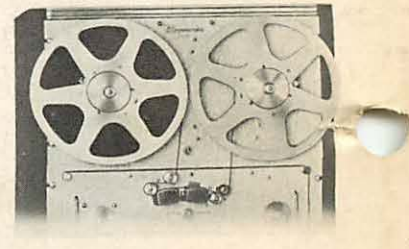
PT6-T . . . Same as above, less adapter panel (for continuous recording with 2 units on remotes).

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



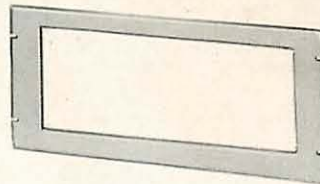
PT6-M . . . AUXILIARY SPOOLING MECHANISM FOR 10½" REELS

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.

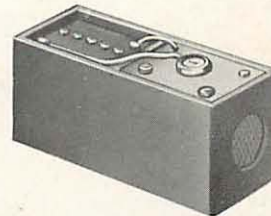


PT6-IM4 . . . Multi-channel low level mixer for up to four 30/50 ohm low impedance microphones. Use with PT6-J or PT63-J single microphone input amplifiers. 17" long and mounts in amplifier case cover. Mixer plugs into microphone input on amplifiers. Gain-control on amplifier acts as master for all microphones.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

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



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 MAGNECORDERS

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.

**SEE YOUR LEADING MAGNECORD DISTRIBUTOR
FOR COMPLETE INFORMATION**

Magnecord, INC. 225 W. Ohio Street
Chicago 10, Illinois