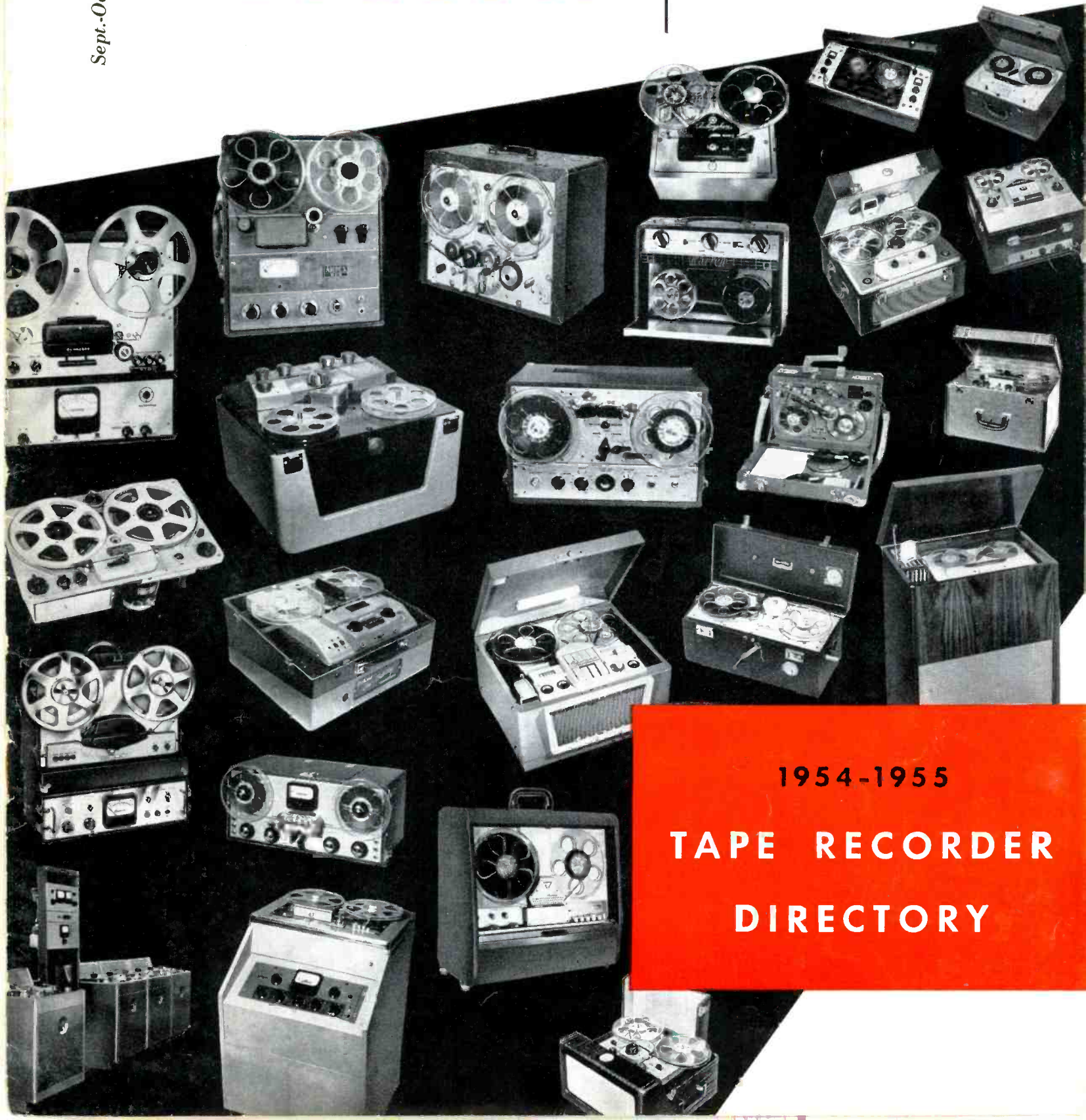


Sept.-Oct., 1954, Vol. 10, No. 3

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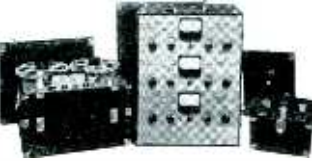


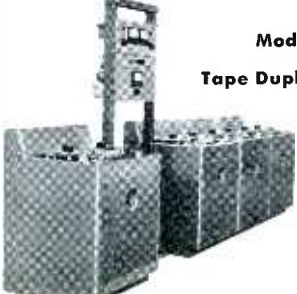





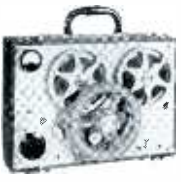


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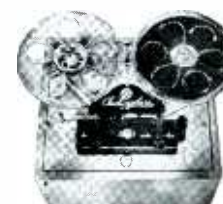



**TAPE RECORDER
DIRECTORY**








QUICK FACTS ON MAGNETIC TAPE RECORDERS






(Additional Information can be obtained by writing to the manufacturer)








Manufacturer	Model and Price	Frequency Response	Data
AMPEX ELECTRIC CORPORATION 934 Charter St. Redwood City, California	 <p>Model 600 Portable Tape Recorder \$545.00</p>	<p>40-15,000 cycles (± 4 db) at $7\frac{1}{2}$" /sec. (± 2 db 40 to 10,000 cycles)</p>	<p>Portable, professional-type single-track recorder with $7\frac{1}{2}$" tape speed. Takes up to 7" reels for 30 minutes recording time. Signal-to-noise, over 55 db. Flutter and wow, below 0.25%. Starting and stopping time, less than 1 second. Fast forward and rewind, 90 seconds for 7" reel. Timing accuracy $\pm 0.2\%$ for 30 minute recording. Separate record and playback amplifiers. Separate erase, record and playback heads. VU meter, independent level controls for microphone and line, phone jack for monitoring input or tape while recording. Weight, 28 lb.</p>
	 <p>Model 350-C Console Tape Recorder \$1315.00</p>	<p>30-15,000 cycles (± 2 db) at 15" /sec. 30-15,000 cycles (± 4 db) at $7\frac{1}{2}$" /sec. 50-7,500 cycles (± 2 db) at $3\frac{3}{4}$" /sec.</p>	<p>Professional-type single or dual-track recorder with tape speeds of $7\frac{1}{2}$" and 15" or $3\frac{3}{4}$" and $7\frac{1}{2}$". Signal-to-noise, 60 db (single track) or 55 db (dual track). Flutter and wow, less than 0.2% at 15" /sec. Instantaneous starting. Rewind time, 1 min. for 2400 ft. reel. Timing accuracy, $\pm 0.2\%$. Push-button controls for start, stop, fast forward and rewind. Independent record and playback systems permit monitoring input or tape during recording or playback. Also available for portable or rack mounting.</p>
	 <p>Model 300-C Console Tape Recorder \$2046.00</p>	<p>30-15,000 cycles (± 2 db) at 15" /sec. 40-15,000 cycles (± 4 db) at $7\frac{1}{2}$" /sec. (± 2 db 40 to 10,000 cycles)</p>	<p>Professional-type, single-track, dual-speed recorder operating at 15" and $7\frac{1}{2}$" per sec. Signal-to-noise, over 60 db by NAB standards. Instant start and stop. Flutter and wow, less than 0.1% at 15" /sec. Rewind time, 1 min. for 2400-ft. reel. Timing accuracy, $\pm 0.2\%$. Push button controls for start, stop and record—may be remotely operated. Separate long-life, plug-in heads for erase, record and playback. Other features as on Model 350C above. Also available for portable or rack mounting.</p>
	<p>Model 350 Stereophonic Recorders</p>  <p>350-2P Two-Channel \$1953.00 350-3P Three-Channel \$2514.00</p>	<p>30-15,000 cycles (± 2 db) at 15" /sec. 30-15,000 cycles (± 4 db) at $7\frac{1}{2}$" /sec. (± 2 db 40 to 10,000 cycles)</p>	<p>Professional-type machines for two channel or three channel stereophonic sound or for parallel recording. Separate recording and playback amplifiers for each channel in the multi-channel record and playback heads. Individual meter and control panels for each channel. Tape transport mechanism, operation and controls identical with standard Model 350 machines. Also available for console or rack mounting.</p>
	 <p>Model 352-C Tape Reproducer \$935.00</p>	<p>30-15,000 cycles (± 2 db) at 15" /sec. 30-15,000 cycles (± 4 db) at $7\frac{1}{2}$" /sec. (± 2 db 40 to 10,000 cycles)</p>	<p>Console-type reproducing unit for playback of $7\frac{1}{2}$ and 15 ips, full-track or dual-track tapes. Provides up to 2 hours, 8 min. playing time on $10\frac{1}{2}$" reel. Signal-to-noise, over 60 db. Flutter and wow, under 0.2% at 15" /sec. Timing accuracy within ± 3.6 seconds for half-hour program. Instant starting and stopping. Rewind time, one min. for 2400-ft. reel. Push button control, tape-speed equalization and reel-size tension adjustment. No erase or record heads—hence no danger of accidental erasure.</p>
	 <p>Model 450-C Continuous Tape Reproducer \$979.00</p>	<p>50-7,500 cycles (± 2 db) at $3\frac{3}{4}$" /sec. 50-10,000 cycles (± 2 db) at $7\frac{1}{2}$" /sec. (Available at extra cost)</p>	<p>Console-type tape reproducer for long-playing background music. Choice of $3\frac{3}{4}$" or $7\frac{1}{2}$" tape speed, single and dual track with manual or automatic reversal. Provides up to 8 hours continuous unrepeatable playing time on dual-track 14" reel. Signal-to-noise, over 50 db at 3% harmonic distortion. Flutter and wow, under 0.25% at $7\frac{1}{2}$" /sec. Takes any 8", $10\frac{1}{2}$" or 14" reels with standard NARTB hubs. Also available in table-top console, portable or rack mounting.</p>
	 <p>Model S-3200 Tape Duplicator Systems Prices on Request</p>	<p>50-7,500 cycles (± 4 db) at $3\frac{3}{4}$" /sec. 50-15,000 cycles (± 4 db) at $7\frac{1}{2}$" /sec.</p>	<p>Makes up to 10 simultaneous copies of $3\frac{3}{4}$", $7\frac{1}{2}$" or 15" /sec. tapes at 30 or 60 inches per second. Duplicates both single and double track masters in one pass. Runs master tapes "backward" to eliminate rewinding duplicates. Maintains 45 to 50 db signal-to-noise ratio. Master control panel provides simultaneous control of all components. All operations meter-monitored. Also available for rack mounting.</p>







Manufacturer	Model and Price				Frequency Response	Data																				
<p>AMPLIFIER CORPORATION OF AMERICA</p> <p>398 Broadway New York 13, N. Y.</p> <p>(other models available)</p>	 <p>Long-Playing "Magnemite" Battery Operated Spring Motor Drive</p>		<p>Model 610-A</p> <p>Tape Speed 1 5/16 i.p.s.</p> <p>\$275</p>	<p>300-2500 cycles</p>	<p>Completely self-contained, battery-operated portable with spring motor drive. Flutter, $\pm 0.25\%$ over full 30-min. winding cycle. Dual-track recording provides total of 4 hour playing time on 5" reel. Indicator light signals 30 seconds before motor rewind. Playback through headphones or external amplifier. Incoming signal can be monitored while recording. Overall dimensions, 11" by 8" by 5". Weight, 12 lb.</p>																					
	 <p>610 "Magnemite" Battery Operated Spring Motor Drive</p>		<table border="1"> <thead> <tr> <th>Model</th> <th>Speed in/sec.</th> <th>Price</th> </tr> </thead> <tbody> <tr> <td>610-B</td> <td>1 7/8</td> <td>\$225</td> </tr> <tr> <td>610-C</td> <td>3 3/4</td> <td>255</td> </tr> <tr> <td>610-TD</td> <td>7 1/2</td> <td>275</td> </tr> <tr> <td>610-SD</td> <td>7 1/2</td> <td>295</td> </tr> <tr> <td>610-E</td> <td>15</td> <td>335</td> </tr> </tbody> </table>	Model	Speed in/sec.	Price	610-B	1 7/8	\$225	610-C	3 3/4	255	610-TD	7 1/2	275	610-SD	7 1/2	295	610-E	15	335	<p>100-3000 cps</p> <p>50-5000 cps</p> <p>50-7500 cps</p> <p>50-7500 cps</p> <p>50-15000 cps</p>	<p>Completely self-contained, battery-operated portables with spring motor drive. Models 610 B, C and TD are dual track; others, single track. Winding interval, 3 to 15 min., depending on tape speed. Motor can be re-wound while operating. Indicator light signals 30 seconds before rewind. Playback through headphones or external amplifier. Incoming signal can be monitored while recording. Overall dimensions, 11" by 8" by 5" for 610 B; 11" by 10" by 7" for all others. Weight, 10 to 15 lb.</p>			
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 <p>4-Speed "Magnemite" Battery Operated Spring Motor Drive</p>		<table border="1"> <tbody> <tr> <td rowspan="4">610-EM</td> <td>15</td> <td rowspan="4">\$395</td> </tr> <tr> <td>7 1/2</td> </tr> <tr> <td>3 3/4</td> </tr> <tr> <td>1 7/8</td> </tr> <tr> <td rowspan="4">610-DM</td> <td>7 1/2</td> <td rowspan="4">\$355</td> </tr> <tr> <td>3 3/4</td> </tr> <tr> <td>1 7/8</td> </tr> <tr> <td>1 5/16</td> </tr> </tbody> </table>	610-EM	15	\$395	7 1/2	3 3/4	1 7/8	610-DM	7 1/2	\$355	3 3/4	1 7/8	1 5/16	<p>50-15000 cps</p> <p>50-7500 cps</p>	<p>Completely self-contained, battery-operated portables with spring motor drive. Model 610-DM is single or dual track; Model 610-EM, single track. Speed change, with automatic equalization, is by changing capstans. Winding interval, 3 to 6 minutes. Motor can be re-wound while operating. Indicator light signals 30 seconds before rewind. Playback through headphones or external amplifier. Incoming signal can be monitored while recording. Overall dimensions, 11" by 10" by 7". Weight, 15 lb.</p>										
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 <p>Multiple Speed VU "Magnemite"</p>		<table border="1"> <tbody> <tr> <td rowspan="2">610-DEV</td> <td>15</td> <td rowspan="2">\$445</td> </tr> <tr> <td>7 1/2</td> </tr> <tr> <td rowspan="2">610-CDV</td> <td>7 1/2</td> <td rowspan="2">\$405</td> </tr> <tr> <td>3 3/4</td> </tr> <tr> <td rowspan="2">610-BCV</td> <td>3 3/4</td> <td rowspan="2">\$365</td> </tr> <tr> <td>1 7/8</td> </tr> <tr> <td rowspan="2">610-ABV</td> <td>1 7/8</td> <td rowspan="2">\$345</td> </tr> <tr> <td>1 5/16</td> </tr> </tbody> </table>	610-DEV	15	\$445	7 1/2	610-CDV	7 1/2	\$405	3 3/4	610-BCV	3 3/4	\$365	1 7/8	610-ABV	1 7/8	\$345	1 5/16	<p>50-15000 cps</p> <p>50-7500 cps</p> <p>50-5000 cps</p> <p>100-3000 cps</p>	<p>Operating features same as above, except that built-in VU meter is provided to measure recording level, output level and "A" and "B" batteries. Calibrated volume control and high impedance microphone jack also included. One, three and four-speed models also available, utilizing consecutive speeds from 15/16" to 15"/sec. Overall dimensions, 14" by 9 1/2" by 6 1/2". Weight, 19 lb.</p>						
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 <p>Twin-Trax "Magnemuse"</p>		<table border="1"> <tbody> <tr> <td>810-C</td> <td>15</td> <td>\$330</td> </tr> <tr> <td>810-B</td> <td>7 1/2</td> <td>295</td> </tr> </tbody> </table> <p>Conference Recorder</p> <table border="1"> <tbody> <tr> <td>580-D</td> <td>7 1/2</td> <td>\$495</td> </tr> <tr> <td>580-C</td> <td>3 3/4</td> <td>535</td> </tr> </tbody> </table>	810-C	15	\$330	810-B	7 1/2	295	580-D	7 1/2	\$495	580-C	3 3/4	535	<p>50-9000 cps (± 3 db)</p> <p>30-13000 cps (± 2 db)</p> <p>50-9000 cps</p> <p>80-5000 cps</p>	<p>Portable, dual-track recorder with automatic reversal—giving up to 1 hour continuous play on 7" reel. Dynamic range, 45 db. Total distortion, less than 3%. Input channels for microphone and radio-phono. Fast forward and rewind ratio, 4 to 1. Five-watt amplifier with built-in speaker. Weight, 42 lb.</p> <p>Same as above, except includes remote control dictation and transcription features for conference recording, etc. Provides up to 2 hours recording time at 3 3/4"/sec. Can be supplied with automatic voice-activated control, eliminating blank spots in the tape and avoiding manual starting and stopping.</p>										
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 <p>"Magneloop"</p> <p>Automatic Station Break Announcer</p>		<table border="1"> <thead> <tr> <th>Model</th> <th>Playing Time</th> <th>Price</th> </tr> </thead> <tbody> <tr> <td>531-B</td> <td>120 sec.</td> <td>\$295</td> </tr> <tr> <td rowspan="2">531-C</td> <td>60 sec.</td> <td rowspan="2">315</td> </tr> <tr> <td>30 sec.</td> </tr> <tr> <td>531-D</td> <td>30 sec.</td> <td>335</td> </tr> <tr> <td>533-B</td> <td>20 min.</td> <td>320</td> </tr> <tr> <td>533-C</td> <td>10 min.</td> <td>340</td> </tr> <tr> <td>533-D</td> <td>5 min.</td> <td>360</td> </tr> </tbody> </table>	Model	Playing Time	Price	531-B	120 sec.	\$295	531-C	60 sec.	315	30 sec.	531-D	30 sec.	335	533-B	20 min.	320	533-C	10 min.	340	533-D	5 min.	360	<p>100-3000 cps</p> <p>50-5000 cps</p> <p>50-7500 cps</p> <p>100-3000 cps</p> <p>50-5000 cps</p> <p>50-7500 cps</p>	<p>Endless magnetic tape-loop recorder with remote control start and automatic stop, for station break announcements, sales messages, etc. Records and plays back any announcement, music or sound effect up to 20 minutes in length. Tape cartridges easily replaced. Provided with high impedance low-level mike input and ungrounded bridging input which is automatically disconnected by microphone plug. Output level ample for studio transmission and telephone lines. Mounted on standard 8 3/4" rack panel.</p>
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533-C	10 min.	340																								
533-D	5 min.	360																								










Manufacturer	Model and Price	Frequency Response	Data
AMPRO CORPORATION 2835 North Western Ave. Chicago 18, Ill.	 <p>Ampro "Celebrity" Model 755 \$219.95 Model 755T \$254.45</p>	50-8,000 cycles at 3 3/4"/sec.	Portable, dual-track recorders in single and dual-speed models, with or without built-in radio tuner. Include "Piano Key" electro-magnetic controls, electronic eye recording level indicator, automatic selection locator, and provision for mixing and monitoring live and radio-phono inputs. Flutter and wow, less than 0.5%. Fast forward speed, 72"/sec. Rewind speed, 120"/sec. Signal-to-noise, 42 db. Power output, 3.2 watts. Built-in 6" x 9" PM speaker. Input receptacles for microphone, radio-phono, TV or remote control. Weight, 34 lb.
	 <p>Ampro "Hi-Fi" Model 756 \$229.95 Model 756T \$264.45</p>	40-12,500 cycles at 7 1/2"/sec.	
AUDIOSPHERE, INC. Livingston, N. J.	 <p>2 Channel "Bi-Fi" Tape Playback Unit \$99.50</p>	30-10,000 cycles (±1 db) at 7 1/2"/sec. (-3 db at 12,000 cps)	Portable, dual-speed tape reproducer operating at 7 1/2" and 3 3/4" per second. Two separate playback heads and pre-amplifiers permit dual-track binaural, full-track (blended) monaural or standard half-track playback of tapes. Equalized for standard NARTB tape recordings. Binaural tapes can be internally mixed and fed to an external amplifier as a monaural program. Fast forward and rewind, 1200 ft. in 40 sec. Flutter, 0.3% at 7 1/2"/sec.; 0.5% at 3 3/4"/sec. Weight, 17 lb.
	 <p>"Concertone" High-Fidelity Recorders</p> <p>Model 1501 Dual Speed Chassis with direct drive synchronous motor \$345.00</p> <p>Model 1502 Dual Speed Chassis with hysteresis synchronous motor \$445.00</p>	50-15,000 cycles (±2 db) at 15"/sec. 40-10,000 cycles (±2 db) at 7 1/2"/sec.	Professional type, dual-speed recorder mechanism and electrical chassis for built-in installation. Interchangeable single and dual track heads. Signal-to-noise, over 50 db. Fast, forward and rewind, 1 min. for 10 1/2" reel. Separate record, erase and playback heads. Three-motor drive for accurate tape motion. Electronic eye recording level indicator. Monitors from tape while recording. Also available in portable case with 8" speaker.
BERLANT ASSOCIATES 4917 West Jefferson Blvd. Los Angeles 16, California	 <p>"Concertone" Stereo-Binaural Recorders</p> <p>Model 1601 Dual Speed Dual Chassis with direct drive synchronous motor \$495.00</p> <p>Model 1602 Dual Speed Dual Chassis with hysteresis synchronous motor \$595.00</p>	50-15,000 cycles (±2 db) at 15"/sec. 50-7,500 cycles (±2 db) at 7 1/2"/sec.	Two-channel, dual-speed recorder mechanism and electrical chassis — records binaural tapes that are free from phase shift and can be edited and interchanged between recorders. Can also be used as a monaural dual-track recorder. Flutter and wow, 0.1% at 15"/sec.; 0.3% at 7 1/2"/sec. Signal-to-noise, over 45 db. Total harmonic distortion, less than 2%. Direct-drive 2-speed motor. Rewind time, 1 min. for 10 1/2" reel. Also available with 7 1/2" and 3 3/4" tape speeds.
	 <p>Berlant Studio-type Broadcast Recorders</p> <p>Model BR-1 Rack Mounted \$545.00</p> <p>Portable Model \$640.00</p>	40-15,000 cycles (±2 db) at 15"/sec. 40-10,000 cycles (±2 db) at 7 1/2"/sec.	Dual-speed studio type recorder combination including drive mechanism, amplifier and 4 input multichannel mixer. Three motor system with "unisync" hysteresis synchronous motor drive and two heavy-duty torque motors. Accommodates up to 5 heads, permitting playback of delayed broadcast while recording incoming program on same tape. Signal-to-noise, 55 db. Total harmonic distortion .2% at zero V.U. Timing accuracy better than 99.8%. Total flutter and wow less than 0.1% RMS at 15"/sec. Fast forward and rewind, less than 60 sec. for 10 1/2" reel. Monitors from tape or input signal. VU meter reads bias current, record level, output level. A-B test fader blends smoothly from incoming signal to playback. Includes provision for precision hand editing, interlock against accidental erase and automatic tape-breakage cut-off. Also available in console mounting.




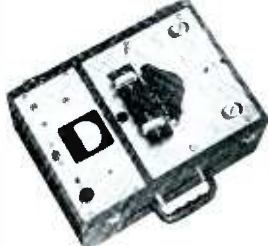


Manufacturer	Model and Price	Frequency Response	Data
<p>BROADCAST EQUIPMENT SPECIALTIES CORP.</p> <p>135-01 Liberty Avenue, Richmond Hill 19, N. Y.</p>	 <p>Tapak (tape-pack) "Newscaster" Standard Model \$325.00</p> <hr/> <p>Custom Model \$339.00</p>	<p>100-6,000 cycles</p> <hr/> <p>50-9,000 cycles</p>	<p>Completely self-contained, walkie-type tape recorder with spring-powered transport mechanism and dry battery amplifier. Standard speed, 7 1/2" per second, convertible to 3 3/4" per sec. if desired. Adjustable to center or side track. Records, erases, monitors and plays back through headphones, external amplifier or phone input of radio. Fast rewind. Recording characteristics match studio equipment. Standard model has 37 db dynamic range. Custom model with transistor oscillator, has 55 db range. Fitted case contains accessories.</p>
	 <p>Tapak (tape-pack) "Narrator" Standard Model \$359.00</p> <hr/> <p>Custom Model \$389.00</p>	<p>100-4,000 cycles</p> <hr/> <p>50-5,000 cycles</p>	<p>Same as "Newscaster" in appearance and functions, but includes built-in 4" x 6" speaker and increased amplification for reproduction of self-recorded or pre-recorded tapes to room-size audiences. Standard speed, 3 3/4" per second, convertible to 7 1/2" per sec. if desired. Records or plays up to 50 minutes on one-mil base tape.</p>
	 <p>"Tapette" Battery Operated Pocket-size Unit \$289.50 (Available, Dec. 1954)</p>	<p>100-4,000 cycles</p>	<p>Pocket-size, subminiature tape recorder. Records dual track 1 hour total at 3 3/4" per second or 2 hours at 1 7/8" per second. Records, erases, monitors and plays back through earphone or external amplifier. Interlocks prevent accidental erase or "double exposure". Special 4" reels transferrable to any recorder. DC motor operated from 15-hour mercury batteries. Dynamic range, 37 db. Wrist-watch mike (shown in photo) available as optional accessory.</p>
<p>COLUMBIA RECORDS, Inc.</p> <p>799 Seventh Avenue, New York 19, N. Y.</p>	 <p>"Columbia - Bell & Howell" Portable Tape Recorder Model 350 \$249.95</p>	<p>50-10,000 cycles (±2 db) at 7 1/2"/sec.</p>	<p>Portable dual-track recorder with tape speeds of 7 1/2" and 3 3/4" per second. Separate record and erase heads, dual neon bulb recording level indicators, "odometer" program indicator and push-button controls for transport mechanism operation, including fast forward and rewind. Power output, 10 watts. Can also be used as a public address unit. Built in 10" speaker in hinged rear panel of case.</p>
	 <p>"Columbia - Bell & Howell" Console Model 355 (mahogany) \$299.50</p>	<p>50-12,000 cycles (±2 db) at 7 1/2"/sec.</p>	<p>Dual-speed, dual-track recorder similar to Model 350 above but in mahogany-finished cabinet for table mounting. Has added frequency range to 12,000 cycles, plus all of the operational and control features listed above. Contains two 6" PM speakers and two Columbia Kilosphere units, each composed of 1000 high-frequency speakers. Input jack for microphone, radio or phonograph.</p>
<p>CRESCENT INDUSTRIES, INC.</p> <p>5900 W. Touhy Ave. Chicago 31, Ill.</p>	 <p>"Compact" Recorder Model 903 (3 3/4"/sec.) Model 907 (7 1/2"/sec.) \$99.50 Model 9037 (two-speed) \$119.50</p>	<p>70-8,500 cycles at 7 1/2"/sec. 90-6,000 cycles at 3 3/4"/sec.</p>	<p>Portable, dual-track recorders with either 7 1/2" or 3 3/4" /sec. tape speed. Model 9037 has push-pull speed selector for operation at either tape speed. Fast forward and rewind, 80 seconds for 1200 ft. reel. Wow and flutter, less than 0.5%. Neon record-level indicator. 3-watt amplifier. Inputs for microphone and radio-phonograph. Outputs for external speaker and external amplifier. Includes ceramic microphone and built-in speaker. Weight, 20 lb. complete.</p>
	 <p>"HI-FI" Two Speed Recorder Model 2900 \$149.50</p>	<p>50-10,000 cycles at 7 1/2"/sec. 70-6,000 cycles at 3 3/4"/sec.</p>	<p>Portable, two-speed dual track recorder with built-in dual 6" speakers. Magic eye recording level indicator. Push-pull speed selector. Other features same as for Model 9037 above. Plastic fabric covered case in lined oak or mahogany with large storage compartment. Weight, 23 lb. complete.</p>








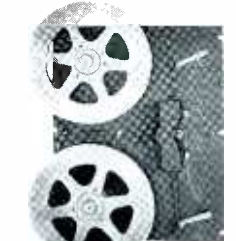


Manufacturer	Model and Price	Frequency Response	Data															
DAYSTROM ELECTRIC CORP. 753 Main St. Poughkeepsie, N. Y.	 <p>Crestwood Model 303 Portable \$199.50</p>	<p>50-10,000 cycles at 7 1/2"/sec.</p>	<p>Portable dual-track recorder with 7 1/2" and 3 3/4" tape speeds. Takes up to 7" reels. Fast forward and rewind, 20:1 ratio. Power output, 10 watts. Distortion, not over 3% at 5 watts output. Wow and flutter, not over 0.3% at 7 1/2"/sec. Provision for head alignment. Inputs for microphone, radio-phono. Outputs for external speaker and headphone monitor. Touch controls for microphone or radio, record or play, bass response, treble response. Coin slot speed change control. Two-neon-lamp volume indicator. Weight, 31 lb.</p>															
	 <p>Crestwood Hi Fi Portable Model 401 \$199.50</p> <p>With Dynamic Microphone \$229.50</p> <p>Model 402 — Amplifier and Speaker — \$100.00 (in separate case)</p>	<p>30-13,000 cycles (±2 db) at 7 1/2"/sec.</p>	<p>Portable dual-track recorder with 7 1/2" and 3 3/4" tape speeds. Takes up to 7" reels. Fast forward and rewind, 20:1 ratio. Power output, 10 watts. Distortion, less than 2%. Wow and flutter, not over 0.3% at 7 1/2"/sec. Provision for head alignment. Inputs for microphone, radio-phono. Outputs for monitor and power amplifier. Electronic eye recording level indicator. Weight, 28 lb.</p> <p>Model 402 power amplifier with 10-watt output and 8" speaker weighs 17 1/2 lb. Jack provided for external speaker.</p>															
	 <p>Crestwood Console</p> <p>With 303 Recorder</p> <table border="1" data-bbox="551 953 750 1066"> <thead> <tr> <th>Model</th> <th>Cabinet</th> </tr> </thead> <tbody> <tr> <td>310</td> <td>Walnut</td> </tr> <tr> <td>311</td> <td>Blond</td> </tr> <tr> <td>312</td> <td>Mahogany</td> </tr> </tbody> </table> <p>\$299.50</p> <p>With 401 Recorder</p> <table border="1" data-bbox="551 1087 750 1208"> <thead> <tr> <th>Model</th> <th>Cabinet</th> </tr> </thead> <tbody> <tr> <td>410</td> <td>Walnut</td> </tr> <tr> <td>411</td> <td>Blond</td> </tr> <tr> <td>412</td> <td>Mahogany</td> </tr> </tbody> </table> <p>\$399.50</p>	Model	Cabinet	310	Walnut	311	Blond	312	Mahogany	Model	Cabinet	410	Walnut	411	Blond	412	Mahogany	<p>50-10,000 cycles at 7 1/2"/sec.</p> <hr/> <p>30-13,000 cycles (±2 db) at 7 1/2"/sec.</p>
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DuKANE CORPORATION St. Charles, Ill.	<p>DuKane "Tru-Fidelity" Recorder</p> <p>Model 11A200 \$395.00</p>  <p>DuKane "Automatic"</p> <p>Model 11A240 \$469.50</p>	<p>50-10,000 cycles (±1 1/2 db) at 7 1/2"/sec.</p> <hr/> <p>50-7,500 cycles (±1 1/2 db) at 3 3/4"/sec.</p>	<p>Portable, dual-track, dual-speed recorder with 7 1/2 watt power output. Signal-to-noise ratio, 50 db on playback, distortion less than 5% at full output. Rewind time, 80 seconds for 7" reel. Fast forward, 100 seconds for 7" reel. Output for auxiliary speaker, monitor headphone and for feeding to input of another recorder for direct tape copying. Inputs for microphone, phonograph, radio. Electronic eye recording level indicator, automatic footage counter and exclusive Room Balance Control. Weight, 39 lb.</p> <p>Same as Model 11A75 above, but designed for fully automatic sound slidefilm projection in conjunction with DuKane push-button filmstrip projector. A 40 cycle signal recorded on the tape changes pictures automatically without any audible cues. This signal can also be used to ring bells, buzzers, turn on lights, operate displays, etc.</p>															
EDUCATIONAL LABORATORIES INC. 1823 Jefferson Place, N. W. Washington 6, D. C.	 <p>Educoder-Dual</p> <p>Model M-4 \$343.00</p>	<p>70-7,500 cycles at 7 1/2"/sec.</p> <hr/> <p>70-5,000 cycles at 3 3/4"/sec.</p>	<p>Portable two-speed tape recorder with two separate channels each having its own amplifier and record-reproduce and erase heads. Can record or playback on both channels simultaneously for binaural work, or can record on one channel while listening to other for teaching and student practice. Electronic eye recording level indicator for each channel. Built in provision available for recording control signal on second channel to provide automatic strip film or slide projector operation. Three outputs: Channel 1, Channel 2, and "Dual" for split headphones. Weight, 30 lb. Dimensions, 20" x 12" x 10".</p>															






Manufacturer	Model and Price	Frequency Response	Data
<p>ELECTRONIC TEACHING LABORATORIES</p> <p>1818 M Street Northwest, Washington 6, D. C.</p>	 <p>Electro-Dual Binaural Portable</p> <p>Model E-2</p> <p>\$495.00</p>	<p>40-8,000 cycles (± 2 db) at 3 3/4"/sec.</p>	<p>Portable dual parallel track recorder with two separate recording and reproducing channels. Modified binaural circuit permits recording on one channel while listening to pre-recorded teaching material on parallel channel. Outputs for binaural or standard headphones. Safety feature prevents erasure of pre-recorded tapes. Safety interlock coupled to drive when either amplifier is in Record position. Includes provision for head azimuth alignment. Separate recording level meters for each channel. Size, 23" x 11" x 6". Weight, 29 lb.</p>
	 <p>Audio-Visual Electro-Dual Binaural Portable</p> <p>Model E-2AV</p> <p>\$630.00</p>	<p>40-8,000 cycles (± 2 db) at 3 3/4"/sec.</p>	<p>Consists of standard Electro-Dual E-2 with Electro-Synchronizer to match, automatic film strip projector and associated connectors. Designed to play back sound track and automatically advance film strip or (alternatively) slide projection. Electro-Synchronizer has 4 watt auxiliary power amplifier. Model G Electro-Synchronizer can be used for same purpose with any other recorder without synchronized signal being necessary.</p>
	 <p>Electro-Dual Binaural Language Laboratory Console</p> <p>Model E-2CL</p> <p>\$575.00</p>	<p>40-8,000 cycles (± 2 db) at 3 3/4"/sec.</p>	<p>Consists of standard Electro-Dual E-2 recorder mounted in semi-soundproof, collapsible, portable console with sliding front panel for study with film projectors. Wired for external audio and power supply. Combination of recorder electronics and booth console wiring eliminates all under-floor wiring of language laboratory. Any console may be used as a Master Signal source or to operate the automatic film projection unit shown above.</p>
<p>FAIRCHILD RECORDING EQUIPMENT CORP.</p> <p>154th St. and 7th Ave. Whitestone 57, N. Y.</p>	 <p>Console Model Unit 126</p> <p>\$2,750.00</p>	<p>50-15,000 cycles (± 1 db) at 15"/sec.</p>	<p>Professional type, single-track recorder with 15" tape speed (7 1/2" and 30" models available). Total noise and distortion -64 db (ref. 2 1/2% dist.). Adjustable bias. Speed tolerance, 0.1%. Built-in VU meter and circuit checking. Unit-type, plug-in chassis. Automatic stop — instant braking and reversal. Full protection against accidental erase.</p>
	 <p>Console Model "PIC-SYNC"</p> <p>\$4,000.00</p>	<p>50-15,000 cycles (± 1 db) at 15"/sec.</p>	<p>Same as model 126 with the addition of lip synchronous operation. Used with motion picture camera and film projector, synchronous sound tracks are made and played back on 1/4" tape, with no interconnecting equipment. Automatic Framing, which assures correct cueing of tape and film, available at additional cost. Other applications include Facsimile recording, multi-track, and telemetering, with frequency response to 100 KC.</p>
	 <p>Control Track Generator Model 141</p> <p>\$200.00</p>		<p>Portable light weight unit for "On Location" picture synchronous sound track recording on 1/4" tape. Used with any portable tape recorder with 15"/sec. tape speed and frequency response good to 14 KC, a control track is simultaneously applied which later becomes the tape speed control when played back on Pic-Sync recorder</p>
<p>FEDERAL MANUFACTURING AND ENGINEERING CORP.</p> <p>199-217 Steuben St. Brooklyn 5, N. Y.</p>	 <p>FME Model 37B Portable</p> <p>\$139.95</p>	<p>50-12,000 cycles at 7 1/2"/sec.</p> <p>50-7,000 cycles at 3 3/4"/sec.</p>	<p>Portable, dual-track, dual-speed recorder with selector switch for 3 3/4" or 7 1/2" per sec. Flutter, less than 0.5%. Signal-to-noise, 43 db. Max. playing time, 2 hrs. on 7" reel. Fast forward and rewind, 20-to-1 ratio. Safety lock prevents accidental erase. Neon recording level indicator. Power output, 3 watts. Includes 5" x 7" elliptical speaker and ceramic microphone. Inputs for microphone and radio-phone. Output for headphones or external speaker. Weight, 25 lb.</p>







Manufacturer	Model and Price	Frequency Response	Data
INTERNATIONAL RADIO AND ELECTRONICS CORPORATION South 17th St. & Mishawaka Rd. Elkhart, Ind.	 <p>"CROWN" Professional Series</p> <p>Crown Deluxe \$425.00 Crown Broadcaster \$465.00 Crown Imperial \$535.00</p>	<p>40-15,000 cycles (± 2 db) at 15"/sec.</p> <p>40-11,000 cycles (± 2 db) at 7 1/2"/sec.</p> <p>40-8,000 cycles (± 3 db) at 3 3/4"/sec.</p>	<p>Portable, 3-motor, 3-speed recorder-reproducer units operating at 15", 7 1/2" and 3 3/4" per second. Signal-to-noise, 55 db at 15"/sec.; 51 db at 7 1/2"/sec.; and 46 db at 3 3/4"/sec. Flutter and wow, less than 0.18% at 15"/sec. Fast forward and rewind, 36 sec. for 1200-ft. reel. Include 1 phono and 2 microphone inputs; output jacks for 16, 8 & 4 ohms, 2 high-level mix input channels; 8" 9 watt speaker. Provides full P.A. facility even while recording. Amplifier output, 35 watts peak at less than 4% distortion; 15 watts at 1%; 8 watts at 0.5%. Choice of full or half-track heads (interchangeable, plug-in type). Deluxe model has electronic eye. Broadcaster model has VU meter. Imperial model has VU meter and will handle 10 1/2" reels.</p>
MAGNETIC RECORDING INDUSTRIES 11 East 16th St. New York 3, N. Y.	 <p>Voice-Master Dispatcher Model 77</p> <p>Magnetic Disc Dictating Machine \$265.00</p>	<p>Voice Frequency Only</p>	<p>Portable magnetic disc dictating and transcribing machine using pregrooved, magnetic oxide coated discs that are reusable. Feature Correct-O-Matic erasure of undesired portions of recording by talking over them, self-guiding Magnetic Needle (replaceable pole piece) which aligns automatically in disc's groove, Split-A-Word instant stop and start, Instant Review by means of automatic back-spacer, visual Record-Listen indicator, Split second loading of discs and built-in loudspeaker. Weight, 12 lb. Also available — VOICE-MASTER COMPANION Model 77-T, a low cost transcribing unit and a complete line of dictation and transcription accessories. Also available — MAGNETICON MAGNETIC DISC RECORDER-REPRODUCER Model P-3, combination magnetic disc recorder and 3-speed phonograph. Write for information.</p>
MAGNETIC RECORDERS COMPANY 7120 Melrose Ave. Los Angeles 46, Cal.	 <p>"Synchronone" Dual Magnetic Recorder Model VM-62</p> <p>\$292.00</p>	<p>to 10,000 cycles at 7 1/2"/sec.</p>	<p>Two independent channels on standard 1/4" tape; each channel with independent recording — playback facility; simultaneous recording on channel 1 and playback of channel 2; simultaneous playback of channel 1 and channel 2; simultaneous (binaural) recording on channel 1 and channel 2; facilities for listening optionally to channel 1 or channel 2 or to both channels. Loudspeaker or head-phone listening; two speeds (either 3 3/4 and 7 1/2 or 1 7/8 and 3 3/4 inches per second); push-button operation of record, listen, fast forward, fast reverse, and stop. Twin neon recording level indicators. Weight, 30 lb.; 110-120 Volts, 60 cycles; 100 Watts.</p>
MAGNETIC RECORDERS COMPANY 7120 Melrose Ave. Los Angeles 46, Cal.	 <p>Portable "Reporter"</p> <p>Standard Model \$199.50 Deluxe Model \$237.50</p>	<p>80-7,000 cycles</p>	<p>Portable, battery-operated recorder with spring motor drive. Power for amplifier furnished by dry batteries. Spring drive lasts for 7 minutes at 7 1/2"/sec. tape speed. Can also be adjusted for 3 3/4"/sec. tape speed. Can be rewound while recording. Single control — off, playback record. Complete with batteries, microphone, head phone (or speaker) and tape. Standard Model includes provision for headphone playback only. Deluxe Model includes output amplifier and loudspeaker. Weight, 12 lb. Made in England.</p>
MARK SIMPSON MFG. CO. INC. 32-28 49th St., Long Island City 3, N. Y.	 <p>"MASCO" Model 53</p> <p>\$250.00</p> <p>Model 53R (with radio)</p> <p>\$290.00</p>	<p>80-8,500 cycles (± 3 db) at 7 1/2"/sec.</p> <p>80-5,000 cycles (± 3 db) at 3 3/4"/sec.</p>	<p>Portable dual-track, two speed recorder with 5 watts power output. Push button for instant speed change with automatic equalization. Separate take-up and drive motors. Flutter and wow, 0.3%. Monitoring switch for head-phone, internal or external speaker. Inputs for microphone and radio-phono. Outputs for external amplifier, speaker or telephone line. Motor switch separate from amplifier. Weight: 40 lb. without radio—43 lb. with radio. Records from radio to tape without external connections.</p>
MITCHELL MANUFACTURING COMPANY Chicago 14, Ill.	 <p>Mitchell Model 1290</p> <p>\$139.95</p>	<p>65-10,000 cycles at 7 1/2"/sec.</p>	<p>Portable, dual-track recorder with tape speed of 7 1/2" per second. Fast forward and rewind, 90 seconds for 1200 ft. reel. Bias-erase frequency, 50 kc. Power output, 2 watts undistorted, 3 watts maximum. Built-in 6" speaker. Inputs for microphone and radio-phono. Outputs for external speaker and external amplifier or monitor. Neon recording level indicator. Ceramic microphone included. Weight, 22 1/2 lb.</p>

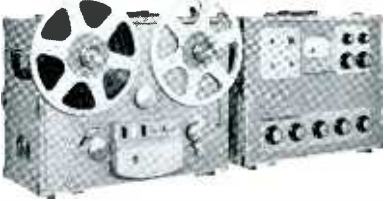

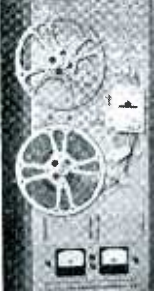




Manufacturer	Model and Price	Frequency Response	Data
MAGNECORD INC. 225 W. Ohio St. Chicago 10, Ill.	 PT6-AH Recorder \$319.00 PT6-J Amplifier \$260.00	50-15,000 cycles (±2 db) at 15"/sec. 50-7,500 cycles (±2 db) at 7 1/2"/sec.	Portable, single-track recorder with interchangeable-capstan speed change. Two heads — erase and record/reproduce. Combination record/playback amplifier. Signal-to-noise, 54 db. Flutter, 0.3%. Rewind time, 40 sec. for 1200 ft. reel. 3" VU meter for record or playback. Speaker or headphone monitor from input. Also available with dual-track heads or for 3-speed operation. Total Weight, 50 lb.
	 PT63-AH Recorder \$349.00 PT63-J Amplifier \$349.00	50-15,000 cycles (±2 db) at 15"/sec. 50-7,500 cycles (±2 db) at 7 1/2"/sec.	Similar to above, except with three-heads — erase, record and reproduce. Separate record and playback amplifier channels; 3" VU meter for bias, record or playback. Speaker or headphone monitor from input or from tape while recording. May be used as remote amplifier. 10 watt speaker output. Total Weight, 51 lb.
	 M-30 Recorder and Amplifier \$299.00 M-33 Recorder and Reproducer \$329.00	50-10,000 + cycles (±2 db) at 7 1/2"/sec. 50-5,000 + cycles (±2 db) at 3 3/4"/sec.	M-30 unit includes PT-6 tape transport mechanism, (dual track) with combined recording amplifier and playback preamplifier. Signal-to-noise, 50 db. Flutter and wow, less than 0.3%. Two high-impedance outputs plus monitor jack. High and low level outputs for external power amplifier. Magic eye volume indicator. M-33 same as above, but also includes power output stage with integral PM speaker and ceramic microphone.
	 PT6-BAH Binaural Recorder \$349.00 PT6-BN Binaural Amplifier \$449.00	50-15,000 cycles (±2 db) at 15"/sec. 50-7,500 cycles (±2 db) at 7 1/2"/sec.	Two-channel equipment for binaural recording and reproduction. Separate record/playback head and amplifier for each channel—also separate gain controls and VU meters. Signal-to-noise, 54 db. Flutter, 0.3%. Fast forward and rewind speeds. Includes speaker for monitoring either channel, and binaural earphone jack.
	 PT6-BGAH Binaural "Magnecordette" \$549.00	50-15,000 cycles (±2 db) at 15"/sec. 50-7,500 cycles (±2 db) at 7 1/2"/sec.	Two-channel table-console recorder-reproducer for making and playing back binaural recordings. Consists of PT6-BAH mechanical unit and two PT6-G "custom" amplifiers, one for each channel, in blond or mahogany case. Amplifier units serve as recording amplifier and playback pre-amplifier. Can be played back through separate high-fidelity or radio amplifiers and speakers. Magic eye recording level indicator for each channel.
	 PT6-GAH "Magnecordette" \$399.00 PT6-GAHP Portable "Magnecordette" \$495.00	50-15,000 cycles (±2 db) at 15"/sec. 50-10,000 cycles (±2 db) at 7 1/2"/sec.	PT6-AH Magnecorder and "custom" amplifier in blond or mahogany cabinet. Amplifier unit serves as recording amplifier and playback pre-amplifier for use with separate high fidelity or radio amplifier. Can be supplied with single or dual track heads. Tape speeds of 15" or 7 1/2" per second with interchangeable capstan. Three-speed units also available. Fast forward and rewind. Flutter, 0.3% max. Inputs for microphone and radio-phono.
	 PT6-GAHP Portable "Magnecordette" \$495.00	50-10,000 cycles (±2 db) at 7 1/2"/sec.	PT6-AH recorder and "custom" amplifier with separate PT6-K amplifier-speaker combination. All amplifier controls and connections are on front of unit. Maximum power output, 10 watts. Output impedance, 4, 8 or 16 ohms. May be used as PA unit with microphone, radio, phono or other source.
	 PT6-VAH "VOYAGER" One-Case Portable \$485.00	50-15,000 cycles (±2 db) at 15"/sec. 50-7,500 cycles (±2 db) at 7 1/2"/sec.	Complete recorder consisting of PT6-AH mechanism and PT6-V recording amplifier and playback pre-amplifier. Includes headphone monitoring jack and 3" VU meter. Output, 600 ohms, to external playback amplifier. Dual equalization for 15" and 7 1/2" tape speeds.
	 M80-AC \$1,265.00 M80-ACC \$1,345.00	30-15,000 cycles (±2 db) at 15"/sec. 50-10,000 cycles (±2 db) at 7 1/2"/sec.	Professional type dual-speed recorder-amplifier combination for portable or console mounting. Features include: slot tape threading; push button and full remote controls; timing accuracy of ± 3 seconds in 30 minutes; new low-distortion amplifier, over 58 db signal-to-noise. Flutter less than 0.1% at 15"/sec. Single or dual track. Microphone and bridging inputs. Metering switch measure bias, record level and reproduce level on illuminated VU meter. Console unit has tip-out panels for easy servicing.


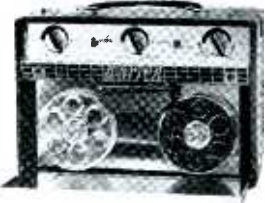




Manufacturer	Model and Price	Frequency Response	Data
THE PENTRON CORPORATION 777 South Tripp Avenue, Chicago 24, Ill.	 <p>Pentron Portable Model CT-1 with "Monomatic" Control \$129.50</p>	<p>50-8,000 cycles at 7 1/2"/sec.</p> <p>50-5,000 cycles at 3 3/4"/sec.</p>	<p>Portable, dual-speed, dual-track machine with single fingertip "Monomatic" control for tape speed, record, playback, fast forward and rewind. Operates at 7 1/2" and 3 3/4"/sec. giving up to 2 hours recording time on 7" reel. Also available with full-width, single track heads. Fast forward and rewind, 40-to-1 ratio. Signal-to-noise, 42 db. Flutter, less than 0.5% at 7 1/2"/sec. Power output, 3 watts. Neon bulb recording level indicator. Inputs for microphone and radio-phon. Outputs for external speaker and PA system or headphone monitor.</p>
	 <p>Pentron Multi-Speed Portable Model TR-4 \$189.50</p>	<p>50-9,500 cycles at 7 1/2"/sec.</p> <p>50-5,000 cycles at 3 3/4"/sec.</p>	<p>Portable, dual-speed, dual-track machine with push-button selector for 7 1/2" or 3 3/4"/sec. Also available with full-width, single track heads. Fast forward and rewind, 20-to-1 ratio. Editing key permits adding or deleting any portion while playing. Signal-to-noise, 50 db. Flutter, less than 0.5%. Magic eye recording level indicator. Positive interlock control switch prevents accidental erase and tape spillage. Power output 5 watts. Inputs for microphone and radio-phon. Outputs for external speaker and PA system or headphone monitor. Weight, 27 lb.</p>
	 <p>Pentron 3-Speaker High-Fidelity Portable Model HT-225 \$225.00</p>	<p>50-11,500 cycles at 7 1/2"/sec.</p> <p>50-5,000 cycles at 3 3/4"/sec.</p>	<p>Portable, dual-speed, dual-track recorder, mechanically similar to Model TR-4 above, but with higher frequency range and two internal heavy-duty "woofer" loudspeakers in case plus external roving "tweeter" in lid, with individual volume control. Complete LC crossover network at 1000 cycles. External "woofer" can be used in conjunction with "tweeter" by plugging into speaker jack on panel. Other operational and performance features same as above. Weight, 33 lb.</p>
	 <p>Pentron HI-FI Portable Model PMD-1 (9T3M + HFP-1) \$134.50 (with PRE-7) \$114.50</p>	<p>with HFP-1 Preamp 50-12,000 cycles (±3 db) at 7 1/2"/sec.</p> <p>with PRE-7 Preamp 50-9,500 cycles (±3 db) at 7 1/2"/sec.</p> <p>50-5,000 cycles (±3 db) at 3 3/4"/sec.</p>	<p>Complete line of high-fidelity components for custom installation. Also available in portable case as illustrated. 9T-3M Tape Mechanism is available with single-track or dual track heads with replaceable pole pieces. Push-pull speed change for 7 1/2" and 3 3/4"/sec. Fast forward and rewind, 70 seconds for 1200 ft. reel. Flutter, 0.3% at 7 1/2"/sec.; 0.5% at 3 3/4"/sec. Mounting space, 9 1/2" by 8" by 5 3/4". Takes up to 7" reels, or 10 1/2" reels with adapter. HFP-1 Pre-Amp has illuminated VU meter, gain control and power switch, record-play switch, compensation switch and motor switch. Signal-to-noise, 47 db. Inputs for microphone and radio-phon. Output for monitor or playback. Mounting space, 9 1/2" by 4 1/4" by 5 5/8". PRE-7 Pre-Amp has magic eye record level indicator, gain control and power switch, play-record switch and motor switch. Signal-to-noise, 40 db. Inputs for microphone and radio-phon. Output for headphones and audio amplifier. Mounting space, 10 1/2" by 4 1/4" by 6".</p>
	 <p>Pentron Tape Player Model PB-A2 \$119.50</p>	<p>50-8,000 cycles at 7 1/2"/sec.</p> <p>50-5,000 cycles at 3 3/4"/sec.</p>	<p>Portable magnetic tape reproducer, for playback only of any standard 1/4" tape recorded with dual track at 7 1/2" or 3 3/4" per second (single-track heads available at slightly higher cost). Flutter less than 0.5%. Fast forward and rewind speed, 20 to 1. Complete with amplifier and speaker. Weight, 22 lb.</p>
	 <p>Pentron "Dynacord" Model DTM Tape Mechanism \$350.00 Model DP-100 Amplifier \$150.00 Model DS-10 Amplifier \$75.00 Tape Mechanism Case, \$40.00 Amplifier Case, \$25.00</p>	<p>50-15,000 cycles (±2 db) at 15"/sec. (DP-100 Amplifier) 50-10,000 cycles (±2 db) at 7 1/2"/sec. (DS-10 Amplifier) 50-9,000 cycles (±2 db) at 7 1/2"/sec.</p>	<p>Professional type, dual-speed recorder for rack or portable mounting. Standard speed, 7 1/2" and 15"/sec. Also available for 3 3/4" and 7 1/2" speeds. Signal-to-noise, over 55 db. Flutter and wow, under 0.2% at 15"/sec. Starting time, 0.1 second. Stopping time: less than 1 sec. at 15"/sec. Playback timing accuracy, ± 0.2%. Rewind time, less than 60 sec. for 2400 ft. reel. Three separate heads with independent tilt and azimuth adjustment. High inertia, direct capstan drive. Dynamic braking. Push-button controls for record, fast traverse, play and stop. Erase interlock, automatic stop and instantaneous stop bar. Monitors from input or from tape while recording.</p>






Manufacturer	Model and Price	Frequency Response	Data
<p>PRESTO RECORDING CORPORATION</p> <p>P.O. Box 500, Paramus, New Jersey</p>	 <p>Model R-7 Recording Mechanism \$425.00</p>  <p>Model RA-1 10 1/2" Reel Adapter \$39.00</p>  <p>Model A-920 Amplifier \$324.00</p>	<p>50-15,000 cycles at 15"/sec.</p> <p>50-10,000 cycles at 7 1/2"/sec.</p>	<p>Professional type equipment for portable or stationary use. Tape transport mechanism has true three-motor drive and separate erase, record and reproducing heads. A-920 amplifier consists of microphone preamp, reproduce preamp, power amplifier and power supply. Includes twin speakers for playback. Monitors from input or tape while recording. Input for single microphone or high impedance bridging. Also zero level line. Signal-to-noise 55 db. Monitor output for phones.</p>
	 <p>Model 900-A Amplifier \$403.00</p>  <p>Model 901-A Amplifier \$365.00</p>		<p>900-A amplifier is composed of separate record and reproduce (monitor) amplifiers on a common chassis, with a separate power supply. Includes a 3-microphone low-level mixer and illuminated VU meter. May be used with any Presto recorder.</p> <p>901-A is similar to above, except that the microphone inputs and mixer are eliminated and replaced by a 500 ohm transformer.</p>
	 <p>Model R-11 Recording Mechanism (in carrying case) \$572.00</p> <p>Chassis Only \$520.00</p>	<p>50-15,000 cycles at 15"/sec.</p> <p>50-10,000 cycles at 7 1/2"/sec.</p>	<p>Professional type portable tape mechanism with three-head assembly: erase — record — reproduce. Brakes and capstan pressure pulley solenoid operated. Dual-speed motor heavy-duty capstan drive unit, with tape reels mounted directly on individual torque motors. Flutter 0.15% at 15"/sec. Signal-to-noise, 55 db. Simplified threading, easy access to heads.</p>
	 <p>Model SR-11 Recording Console \$995.00</p>	<p>50-8,000 cycles at 3 3/4"/sec.</p>	<p>Professional console-type unit, consists of R-11 mechanism and 901-A amplifier. 900-A amplifier may be substituted if desired. Tape transport panel and amplifier panel are hinged — every component readily accessible.</p>
	 <p>Model PB-17A Tape Reproducing Mechanism \$650.00</p>  <p>Model A-904 Amplifier \$135.00</p>	<p>50-8,000 cycles at 3 3/4"/sec.</p>	<p>Dual-track reproducing mechanism with 3 3/4" tape speed and automatic reversal, giving up to 8 hours of continuous music on a 4800-ft. reel. At end of this time, mechanism may be made to recycle or stop. Heavy duty capstan drive unit with individual torque motors for each reel. Signal-to-noise, 55 db. Flutter 0.35% at 3 3/4" speed.</p>
	 <p>Continuous Tape Reproducing Console</p> <p>PB-17A and A-904 in CC-4 Console \$965.00</p> <p>In table-top Console \$785.00</p>	<p>50-8,000 cycles at 3 3/4"/sec.</p>	<p>Long-playing tape reproducing unit consisting of PB-17A tape transport mechanism and A-904 Amplifier in console cabinet with dust-protective plastic top. Dynamic range, 45 db. Also available with PB-15A mechanism, which is similar to PB-17A except with 10 1/2" reel capacity only.</p>

Manufacturer	Model and Price	Frequency Response	Data
<p>PREMIER ELECTRONIC LABORATORIES</p> <p>382 Lafayette St. New York 3, N. Y.</p>	 <p>"Tapesonic"</p> <p>Model 70-B \$368.50</p> <p>"Tapesonic"</p> <p>Model 70-A \$348.50</p>	<p>40-16,000 cycles (± 3 db) at 15"/sec.</p> <p>40-13,000 cycles (± 3 db) at 7 1/2"/sec.</p> <p>40-6,500 cycles (± 3 db) at 3 1/4"/sec.</p>	<p>Portable professional type dual track unit with 4 1/2" VU meter. Three separate heads, permitting instantaneous monitoring from tape while recording. A.B. switch permits comparison between original and recorded program. Push button operation using seven relays and one solenoid. Three speeds. Flutter and wow, 0.1% at 15"/sec.; 0.2% at 7 1/2"/sec.; 0.3% at 3 3/4"/sec. Mixing channels for mike, radio or phono inputs. Three heavy duty dynamically balanced motors. Fast forward and rewind, less than one Min. for 1 1/2" reel. Electro dynamic brake action and tape tension. D.C. on preamp heaters. Push-pull 12 watts audio output.</p> <p>Model 70-A same as above, except knob operated instead of push buttons and without A.B. switch.</p>
<p>RANGERTONE INC.</p> <p>73 Winthrop St., Newark 4, N. J.</p>	 <p>"Rangerette"</p> <p>Portable Model A-2</p> <p>\$1,500.00 complete</p>	<p>45-15,000 cycles (± 2 db) at 15"/sec.</p> <p>50-8,000 cycles (± 2 db) at 7 1/2"/sec.</p>	<p>FOR SYNCHRONOUS SOUND RECORDING</p> <p>Professional-type, single-track, dual-speed recorders, with choice of 3 3/4", 7 1/2", 15" or 30" per second tape speeds. Up to 2 hours recording at 7 1/2" per sec. on 14" reel. Distortion, less than 2% total harmonic. Maximum signal-to-tape noise, 55 db. Double-puck, tight-loop tape drive. Peak-to-peak flutter, less than 0.1% at 15"/sec. Rewind speed controllable continuously from 0 to 250"/sec. in both forward and rewind. Meets all N.A.B. adopted standards. Complete monitoring and mixing facilities. VU meter, signal indicator and footage counter calibrated in minutes and seconds. Complete tape editing facilities. Also available with positive "sprocketless" synchronization for motion picture and TV applications. Weight of Rangerette — 30 lb.</p> <p>Kits added to other professional recorders for Synchronous Sound Recording for \$295.00.</p>
<p>RADIO CORPORATION OF AMERICA</p> <p>RCA Victor Division</p> <p>Camden 2, N. J.</p>	 <p>RCA Portables</p> <p>The Executive Model SRT-403 \$229.95</p> <p>The Senior Model SRT-402 \$199.95</p> <p>The Deluxe Model SRT-401 \$169.95</p>	<p>40-10,000 cycles at 7 1/2"/sec.</p> <p>50-8,000 cycles at 7 1/2"/sec.</p>	<p>Model SRT-403: portable, dual-track, dual-speed recorder with push button control for all functions — record and playback, stop, fast-forward, fast-rewind. Double neon recording level indicator. Three speakers, 2 "woofers" and 1 "tweeter". Remote Control Equipment. 7-watt, push-pull power amplifier. Two external speaker jacks. Control index. Attached power cord. Includes microphone.</p> <p>Model SRT-402: same as above, except with two large speakers, one external speaker jack and provision only for remote control.</p> <p>Model SRT-401: same as above, except has single speaker with bi-coustic tone principle, one external speaker jack and no provision for remote control.</p>
<p>RCA Victor Division</p> <p>Camden 2, N. J.</p>	 <p>RCA</p> <p>Model RT-11B</p> <p>Cabinet Rack Mounted</p> <p>\$1,525.00</p>  <p>RCA</p> <p>Model RT-128 Console Mounted</p> <p>\$1,575.00</p>	<p>50-15,000 cycles (± 2 db) at 15"/sec.</p> <p>50-10,000 cycles (± 2 db) at 7 1/2"/sec.</p>	<p>Professional type, dual-speed tape recording equipment available in cabinet rack or console mounting. Three separate heads, with automatic tape lift on fast forward or rewind. Automatic "tape break" stop. Local or remote push-button control of all functions. Signal-to-noise ratio; 60 db at 15"/sec., 55 db at 7 1/2"/sec. Wow and flutter combined; 0.1% RMS at 15"/sec., 0.2% at 7 1/2"/sec. Distortion, 3% total RMS harmonic at 400 cycles, reference recording level. Timing accuracy; ± 5 seconds in 30 min (machine to machine), $\pm 2 1/2$ seconds in 30 min. when played back on same machine at same temperature and humidity. Capstan is synchronous. Start and stop. 0.1 second. Rewind speed. 1 min for 10 1/2" reel</p>

Manufacturer	Model and Price	Frequency Response	Data
REVERE CAMERA COMPANY 230 East 21st St. Chicago 16, Ill.	 <p>2-HOUR PLAY Model T-700 \$225.00</p> <p>Model TR-800 (with radio) \$277.50</p> <hr/> <p>1-HOUR PLAY Model T-10 \$235.00</p> <p>Model TR-20 (with radio) \$287.50</p>	<p>80-8,000 cycles (± 3 db) at $3\frac{3}{4}$" / sec.</p> <hr/> <p>60-15,000 cycles (± 3 db) at $7\frac{1}{2}$" / sec.</p>	<p>Portable dual-track recorder available in either $3\frac{3}{4}$" or $7\frac{1}{2}$" per second tape speed. Signal-to-noise ratio, over 50 db at either speed. Distortion less than 0.65% at normal levels. Rewind and fast forward speed, 170" / sec. Flutter less than 0.3%. Solenoid operated. Two neon lamps for accurate level setting. Precision revolution index counter, recordings can be instantly located. Can be operated as a P. A. system. Built-in 6" x 9" Alnico V speaker. Weight, 30 lb.</p>
	 <p>2-HOUR PLAY Model T-700 B & M \$235.00</p> <p>Model TR-800 B & M (with radio) \$287.50</p> <hr/> <p>1-HOUR PLAY Model T-10 B & M \$245.00</p> <p>Model TR-20 B & M (with radio) \$297.50</p>	<p>80-8,000 cycles (± 3 db) at $3\frac{3}{4}$" / sec.</p> <hr/> <p>60-15,000 cycles (± 3 db) at $7\frac{1}{2}$" / sec.</p>	<p>Table model, dual-track recorders available in Solid Blonde Oak or Solid Honduras Mahogany in either $3\frac{3}{4}$" or $7\frac{1}{2}$" / sec. speed. Special pressure relief port for extended frequency range. Signal-to-noise ratio, over 50 db at either speed. Distortion less than 0.65% at normal levels. Rewind and fast forward speed, 170" / sec. Flutter less than 0.3%. Solenoid operated. Two level indicator. Revolution index counter. Electrical start-stop controls. Can be operated as a phono amplifier or P.A. system. 6" x 9" Alnico V speaker. Weight, 34 lb.</p>
	 <p>2-HOUR PLAY Model T-900 \$199.50</p> <p>Model TR-1000 (with radio) \$249.50</p> <hr/> <p>1- & 2-HOUR PLAY Model T-1100 \$159.50</p> <p>Model TR-1200 (with radio) \$209.50</p>	<p>85-7,500 cycles (± 3 db) at $3\frac{3}{4}$" / sec.</p> <hr/> <p>85-7,500 cycles (± 3 db) at $3\frac{3}{4}$" / sec.</p> <p>75-12,000 cycles (± 3 db) at $7\frac{1}{2}$" / sec.</p>	<p>Portable, dual-track recorder available in either single ($3\frac{3}{4}$" / sec.) or dual ($3\frac{3}{4}$" - $7\frac{1}{2}$" / sec.) speed. Signal-to-noise ratio, over 48 db on either machine. Distortion less than 1% at normal levels. Rewind and fast forward, 170" / sec. Flutter less than 0.3%. Single knob control automatically returns to stop when power is turned off. Dual level indicator. Revolution index counter. Instant stop button. Two-speed knob can be changed while in any function. Rugged fiberglass case. Can be operated as a P.A. Two speakers. Weight, 28 lb.</p>
	 <p>2-HOUR PLAY Model T-500 \$179.50</p> <p>Model TR-600 (with radio) \$234.50</p> <hr/> <p>1-HOUR PLAY Model T-100 \$169.50</p> <p>Model TR-200 (with radio) \$224.50</p>	<p>100-5,000 cycles (± 3 db) at $1\frac{7}{8}$" / sec.</p> <hr/> <p>85-7,500 cycles (± 3 db) at $3\frac{3}{4}$" / sec.</p>	<p>Portable, dual-track recorder available in either $1\frac{7}{8}$" or $3\frac{3}{4}$" tape speed. Signal-to-noise ratio, over 45 db at either speed. Distortion, less than 1.5%. Rewind and rapid forward. Flutter less than 0.3%. Two neon lamp level indicator. 5" x 7" Alnico V speaker. Weight, 25 lb.</p>
	 <p>"SoundScriber" 24-hour Recorder</p> <p>Model D-24 Two Channels \$1,395.00</p> <p>Model S-24 One Channel \$1,250.00</p>	<p>400-3,800 cycles ($\pm 1\frac{1}{2}$ db) at $9\frac{1}{4}$" / min.</p>	<p>Model D-24 provides 24 hours of continuous recording on two separate channels simultaneously, using either microphone or line on either channel. Model S-24 is similar, except arranged for single channel recording only. Uses special 3" wide paper base tape imprinted with timing calibrations to determine precise time of any part of recording and permit playback of any desired portion without audible searching. Signal-to-noise, 40 db. Distortion, less than 5%. Warning buzzer sounds near end of tape, if power fails or if tape breaks. Electronic input level indicators. Adaptable to 48-hour recording by using larger tape reels. Bulk eraser available as accessory item.</p>
SPEAK-O-PHONE RECORDING AND EQUIPMENT CO. 23 West 60th St. New York 23, N. Y.	 <p>Speak-O-Phone</p> <p>"Superior" Tape-Disc Recorder</p> <p>Model TD-52 \$279.50</p>	<p>Amplifier Response 60-8,000 cycles per sec.</p>	<p>Portable combination tape and disc recorder, with $3\frac{3}{4}$" tape speed (dual track) and 78 rpm turntable (12" capacity). Records from microphone or radio to tape or disc, from disc to tape or from tape to disc. Plays back from tape or disc. Accommodates 5" tape reels. Fast forward and reverse tape speeds. Includes crystal microphone and 5" x 7" speaker. Weight, 30 lb.</p>

Manufacturer	Model and Price	Frequency Response	Data
THE STANCIL-HOFFMAN CORP. 921 North Highland Ave., Hollywood 38, Cal.	Model R-5 \$1,575.00 	50-15,000 cycles (± 1 db) at 15"/sec.	Portable, professional-type, single-track recorder with tape speeds of 7½ and 15" (or 3¾ and 7½") per sec. Signal-to-noise ratio, over 60 db. Separate record and playback heads and amplifiers with independent monitor amplifier and speaker.
	Model S-5 Synchronous Magnetic Film Recorder \$2,142.00 	45-7,500 cycles (± 2 db) 16mm 45-15,000 cycles (± 2 db) 17½mm	Synchronous magnetic film equipment for motion picture and TV sound recording. Includes proper speed and equalization for both 16mm and 17.5mm film width. Full synchronous sprocket drive arranged for forward or reverse recording or playback. Also fast forward and reverse for editing. Gearless drive. Signal-to-noise, at least 50 db. Max. harmonic distortion, 1.5% from full level. Playing time; up to 1 hr. for 16mm, up to 24 min. for 17.5mm. 2,000-ft. reel capacity.
	 Model CRM-15 Multi-Channel Communications Recorder (Prices on Request)	200-7,500 cycles (± 3 db) at 7½"/sec. 200-3,500 cycles (± 3 db) at 3¼"/sec.	Provides up to 15 simultaneous recording channels on 0.7" wide tape. Recording time, up to 4½ hours for 5,000 foot reel. Two units, with automatic sequence control permit continuous, 24-hour recording. Signal-to-noise, at least 40 db. Distortion, not more than 5% total harmonic at "0" input level. Negligible crosstalk between channels. Push-button control. Fast forward and rewind. Automatic stop.
TELECTRO-SONIC CORPORATION 35-18 37th St. Long Island City 1, N. Y.	 Telectro Portable Model TR-175 \$500.00	50-9,000 cycles at 7½"/sec. 50-5,000 cycles at 3¼"/sec.	Portable, dual track, dual speed unit operating at 7½ and 3¾ in. per second. Signal-to-noise ratio, better than 45 db. Flutter less than 0.5%. Separate mike and telephone line inputs. Provision for control by microphone pushbutton, foot pedal forward and back-space, and automatic voice operation. Precise counter index for accurate spacing. Built-in PA amplifier with separate control, and 6" PM speaker with external speaker connection. Ruggedized for military service. Weight, 43 lb.
	 "Telectro-tape" Portable \$79.95	flat to about 6500 cycles at 3¼"/sec.	Light-weight, dual-track recorder with 3¾" tape speed. Handles up to 5" reels, providing up to 1 hour recording time. Wow and flutter, approximately 0.5%. High impedance microphone input may also be used for radio input. Extremely simple threading and operation. Neon bulb recording level indicator. Weight, less than 14 lb. Supplied complete with crystal microphone, built-in speaker, 5" reel of tape and take-up reel.
THREE DIMENSION COMPANY Division of Bell & Howell 3512 N. Kostner Ave., Chicago 41, Ill.	 "Stereotone" Portable Model A-130 \$249.50	50-10,000 cycles (± 2 db) at 7½"/sec.	Portable, two-speed dual-track recorder. Vertical design with 10-inch extended range speaker. Three separate motors with electro-magnetic braking and interlocking push-button control. Distortion less than 3% at half output. Signal to noise ratio better than 36 db. Wow and flutter below 0.2% at 7½"/sec. 7-tube amplifier with push-pull output delivers over 8 watts audio. Fast forward and rewind, 1200 feet in 40 seconds. Program indicator for permanent pin-point referencing. Two output jack for connecting either external amplifier or extension speaker. Prices include controlled reluctance microphone, power cord, radio-phono patch cord, and spare 7" reel. Neon indicators for volume and bass-treble controls. Two position speaker. Can be used as public address. Record safety lock. Controls: stop, forward, rewind, play, speaker, record. Console models are same as Stereotone Portable, but housed in floor-model hand-rubbed mahogany cabinet with legs and full doors. 10-inch round baffled speaker. Supplied with same accessories as Portable. Dark mahogany with wooden legs, blonde mahogany with wrought-iron legs.
	 "Stereotone" Console Model 181 (Mahogany) \$325.00 Model 182 (Blond) \$337.50	50-8,000 cycles (± 3 db) at 3¼"/sec.	

Manufacturer	Model and Price	Frequency Response	Data
<p>V-M CORPORATION</p> <p>Benton Harbor, Michigan</p>	 <p>"tape-o-matic" Model 700 \$179.95</p>	<p>70-15,000 cycles (± 5 db) at $7\frac{1}{2}$" /sec.</p>	<p>Portable two-speed, dual-track recorder with push-button controls and two speakers — one "woofers" and one "tweeter". Flutter and wow, less than 0.5% Concealed 60-cycle hum control and bass boost. Includes tape index timer, record-ready light, "distort" light, tape-speed button, treble and brass control, monitor switch, "pause" button for silent momentary stops, safety interlock to prevent accidental erase. Inputs for microphone, radio-phonograph jack, radio "patch cord", and magnetic phono jack. Output jacks for external speaker and external plus internal speakers.</p>
<p>J. C. WARREN CORPORATION</p> <p>21 Hanse Ave., Freeport, N. Y.</p>	 <p>Warren Model 777 \$298.00</p>	<p>200-4,000 cycles at $1\frac{7}{8}$" /sec.</p>	<p>Portable dual-track tape recorder with completely self-contained, battery powered tape transport, amplifier and speaker for playback. Wet cell battery life up to five hours, depending on tape speed. Has self-contained battery recharger. May be operated on AC. Rewind speed 10 to 1. Provides two hours of record or playback time, at $1\frac{7}{8}$" /sec. on five inch reel. May be operated with door closed. Monitors while recording. Input for microphone and headphone monitoring jack. Crystal microphone included. Accessories: Snap-on legs (\$10.00), Canvas carrying case (\$7.50) and shoulder strap (\$5.00). Weight: 22 pounds. Sizes: 6" x 10" x 15".</p>
<p>Warren Model 777-1 \$298.00</p>	<p>200-6,000 cycles at $3\frac{3}{4}$" /sec.</p>		
<p>WEBSTER-CHICAGO CORPORATION</p>	 <p>"Webcor" Table Model Model 2021 Walnut Model 2022 Mahogany Model 2023 Blond \$181.50</p>	<p>to 10,000 cycles at $7\frac{1}{2}$" /sec.</p>	<p>Dual-speed, dual-track recorder with touch-button control for record, playback and stop. Safety switch prevents accidental erase. Monitors from input while recording from TV, radio or phonograph. Two neon recording level indicators. Includes tone control, editing switch, fast forward and rewind, and tape time indicator. Crystal microphone and 5" x 7" PM speaker.</p>
<p>Model 2022 Mahogany Model 2023 Blond \$181.50</p>	<p>to 7,000 cycles at $3\frac{3}{4}$" /sec.</p>		
<p>5610 Bloomingdale Ave., Chicago 39, Ill.</p>	 <p>"Webcor" Model 2110 Portable \$209.95</p>	<p>to 10,000 cycles at $7\frac{1}{2}$" /sec.</p>	<p>Dual-speed, dual track recorder with quick-acting reversal and track shift. Two recording heads and two motors. TV type control for "left", "right", "record", "playback" and "fast". Magic eye volume indicator. Automatic stop and elapsed time indicator. Monitors from input while recording. Inputs for microphone, radio-phonograph. Output for external speaker. Includes crystal microphone and 6" PM speaker.</p>
<p>Model 2110 Portable \$209.95</p>	<p>to 7,000 cycles at $3\frac{3}{4}$" /sec.</p>		
<p>5610 Bloomingdale Ave., Chicago 39, Ill.</p>	 <p>"Webcor" Model 2130 Portable \$213.00</p>	<p>to 12,000 cycles at $7\frac{1}{2}$" /sec.</p>	<p>Same as Model 2110 above except case includes three electronically balanced speakers (two 6" and one 4") and amplifier is designed for 5 watt output.</p>
<p>WEBSTER ELECTRIC CO.</p> <p>Racine, Wisconsin</p>	 <p>"Ekotape" Portables Model 205 Tape Recorder \$225.00 Model 207 "Cinaudio" Audio-Visual Recorder \$325.00</p>	<p>50-8,000 cycles at $7\frac{1}{2}$" /sec.</p> <p>50-5,000 cycles at $3\frac{3}{4}$" /sec.</p>	<p>Portable, dual-track recorder with instantaneous single-knob selector for $3\frac{3}{4}$" or $7\frac{1}{2}$" /sec. tape speed. Fast forward speed, 15-to-1 ratio. Rewind speed, $112\frac{1}{2}$" /sec. Neon recording level indicator. Socket for attaching manual control, foot control or electric remote stop and start control (available as accessories). Separate input jacks for microphone and radio-phonograph. Output jack for external speaker. Power output, $2\frac{1}{2}$ watts at 5% distortion, 400 cycles. Includes crystal microphone and built-in 5" by 7" PM speaker and pilot light behind speaker grille. Weight, 28 lb.</p> <p>"Cinaudio" Model includes provision for fully automatic control of automatic slide or strip film projector without any audible signal. Control signal is recorded on one track, narration on the other. Push button for adding control signal while recording. Weight, 36 lb.</p>

Manufacturer	Model and Price	Frequency Response	Data
WILCOX-GAY CORPORATION Charlotte, Michigan	 <p>"Tape Recordio" Portable Model 4A10 \$149.95</p>	<p>80-8,000 cycles at 7 1/2"/sec.</p>	<p>Portable, dual-track recorder with tape speeds of 7 1/2" and 3 3/4" per second. Signal-to-noise, 35 db minimum. Wow and flutter, 0.3% max. at 7 1/2"/sec.; 0.5% max. at 3 3/4"/sec. Prest-O-Matic push button keyboard. Record-lock button prevents accidental erase. Fast forward and rewind, less than 2 3/4 min. for 1200-ft. reel. Two neon recording level indicators. Inputs for microphone and radio-phono. Output for earphone monitor or external speaker. Power output, 3 watts. Includes crystal microphone, 5" x 7" speaker and provision for remote "on" — "off" control. Weight, 28 lb.</p>
	 <p>"Tape Recordio" Portable Model 4B10 \$179.95</p>	<p>80-8,000 cycles at 7 1/2"/sec.</p>	<p>Same as above, except includes two 5" x 7" speakers mounted in acoustically designed chamber and has visual tape index for locating selections on the reel. Weight, 32 lb.</p>
	 <p>"Tape Recordio" High-Fidelity Portable Model 4F10 \$199.95</p>	<p>70-10,500 cycles at 7 1/2"/sec.</p>	<p>Has same mechanical and operational features as Model 4B10 above, but frequency response is extended to 10,500 cycles, and power output increased to 7 watts. In addition, three extension speaker jacks are provided to permit any desired arrangement of external speakers. Two 5" x 7" speakers are built into the case. Weight, 35 lb.</p>
	 <p>"Tape-Disc Recordio" Model 4C10 \$199.95</p>	<p>80-6,000 cycles at 3 3/4"/sec.</p>	<p>Portable combination tape and disc recording and reproducing unit, with tape speed of 3 3/4" per second (dual track) and 78 rpm disc speed. Hum level, 45 db. Records tape, disc, tape to disc or disc to tape. Jack for external speaker or earphone monitoring. Neon normal and overload recording level indicators. Fast forward and rewind speeds. Includes microphone and built-in speaker. Weight, 30 lb.</p>
	 <p>"Recordio Grand" Mahogany Console Model 4F40 \$289.50</p>	<p>70-10,500 cycles at 7 1/2"/sec.</p>	<p>Console-type, dual-track, dual-speed tape recorder operating at 7 1/2" and 3 3/4" per second. Consists essentially of Model 4F10 recorder unit mounted in mahogany console with built-in 12 inch "woofer" and separate 4 1/2 inch "tweeter" in bass-reflex acoustic chamber delivering 6 watts of undistorted output. Includes storage compartments for microphone and 12 5" or 7" tape reels. Extra radio-phono-TV input jack at rear of cabinet. Weight, 64 lb.</p>

All specifications and performance data on tape recorders listed in this directory are based on information supplied by the manufacturer. Prices subject to change without notice. Consult manufacturer or local dealer for exact price, as some prices are list and others net.

audio record

Audio Record is published by Audio Devices, Inc., 444 Madison Avenue, New York 22, N. Y., as a free service to the entire sound recording field. It is mailed without cost to sound recordists in radio stations, recording studios, motion picture studios, schools, colleges and to home recording enthusiasts throughout the United States and Canada. If you are not at present on the Audio Record mailing list, and are seriously interested in sound recording, a letter or post card to Audio Devices, Inc., will add your name to this list without cost or obligation.

RECORDING TIME

For Various Tape Speeds and Reel Sizes

REEL SIZE →	3"	4"	5"		7"		10½"		14"	
TAPE FOOTAGE →	150'	300'	600'	900' *	1200'	1800' *	2500'	3600' *	5000'	
TAPE SPEED IN. PER SEC.	SINGLE TRACK RECORDING									
15/16"	32 min.	1 hr. 4 min.	2 hr. 8 min.	3 hr. 12 min.	4 hr. 16 min.	6 hr. 24 min.	8 hr. 48 min.	12 hr. 48 min.	17 hr. 44 min.	
1 7/8"	16 min.	32 min.	1 hr. 4 min.	1 hr. 36 min.	2 hr. 18 min.	3 hr. 12 min.	4 hr. 24 min.	6 hr. 24 min.	8 hr. 52 min.	
3 3/4"	8 min.	16 min.	32 min.	48 min.	1 hr. 4 min.	1 hr. 36 min.	2 hr. 12 min.	3 hr. 12 min.	4 hr. 26 min.	
7 1/2"	4 min.	8 min.	16 min.	24 min.	32 min.	48 min.	1 hr. 6 min.	1 hr. 36 min.	2 hr. 13 min.	
15"	2 min.	4 min.	8 min.	12 min.	16 min.	24 min.	33 min.	48 min.	1 hr. 6 min.	
30"	1 min.	2 min.	4 min.	6 min.	8 min.	12 min.	16 min.	24 min.	33 min.	
TAPE SPEED IN. PER SEC.	DUAL TRACK RECORDING									
15/16"	1 hr. 4 min.	2 hr. 8 min.	4 hr. 16 min.	6 hr. 24 min.	8 hr. 32 min.	12 hr. 48 min.	17 hr. 36 min.	25 hr. 36 min.	35 hr. 28 min.	
1 7/8"	32 min.	1 hr. 4 min.	2 hr. 8 min.	3 hr. 12 min.	4 hr. 16 min.	6 hr. 24 min.	8 hr. 48 min.	12 hr. 48 min.	17 hr. 44 min.	
3 3/4"	16 min.	32 min.	1 hr. 4 min.	1 hr. 36 min.	2 hr. 8 min.	3 hr. 12 min.	4 hr. 24 min.	6 hr. 24 min.	8 hr. 52 min.	
7 1/2"	8 min.	16 min.	32 min.	48 min.	1 hr. 4 min.	1 hr. 36 min.	2 hr. 12 min.	3 hr. 12 min.	4 hr. 26 min.	
15"	4 min.	8 min.	16 min.	24 min.	32 min.	48 min.	1 hr. 6 min.	1 hr. 36 min.	2 hr. 13 min.	
30"	2 min.	4 min.	8 min.	12 min.	16 min.	24 min.	33 min.	48 min.	1 hr. 6 min.	

* These increased footages apply to Type LR Audiotape (see listing on Page 18).

TAPE RECORDING ACCESSORIES



AUDIO SELF-TIMING LEADER TAPE

A strong, durable leader tape of white plastic material — easily written on with ink or pencil. Spaced markings permit accurate timing of leader intervals.
100 ft., 1/4" wide, individually boxed.

Type No. 3L List Price, \$0.60



PERMACEL 91 SPLICING TAPE

Especially formulated for splicing magnetic recording tape. Adhesive will not squeeze out, dry up or become brittle.



ADHESIVE REEL LABELS

Provide positive identification of your tapes, right on the reel. Simply press to apply, pull off to remove. Envelope of 30 2" x 1/2" labels.

Type No. 30 AL List Price, \$0.25

Size	Type No.	List Price
1 Roll, 1/2" x 100", with metal utility dispenser	50 ST	\$0.29
1 Roll, 1/2" x 66 ft.	56 ST	0.76
1 Roll, 3/4" x 66 ft.	75 ST	1.01



AUDIO HEAD DEMAGNETIZER

Completely removes all permanent magnetism from recording and reproducing heads in a matter of seconds. Operates on 110 volts, 60 cycles. Individually boxed, with 7 ft. cord and plug.

Type No. 400 List Price, \$12.00



AUDIO HEAD ALIGNING TAPE

Pre-recorded at 2,000, 10,000 and 15,000 cps. at 15" per second, with precisely correct head azimuth alignment. Provides a convenient and highly accurate reference for aligning magnetic recording head. Three hundred ft. on 5" reel, individually boxed, with instructions.

Type No. 200 List Price, \$12.00

THE COMPLETE audiotape LINE

PLASTIC BASE AUDIOTAPE

The finest, professional-quality tape obtainable — especially formulated to provide the *balanced performance* which is essential to the most faithful reproduction of the original live sound throughout the entire audible frequency range. Assures maximum fidelity, uniformity, frequency response and freedom from noise and distortion.

Length	Reel	Type No. ‡	List Price Each
150 ft. 300 ft. 600 ft.	3" Plastic	151	\$ 0.85
	4" Plastic	351	1.60
	5" Plastic	651	3.50
1200 ft.	7" Plastic	1251	5.50
2500 ft.	NARTB Hub	2551 H	10.00
	NARTB 10½" Aluminum Reel	2551 R	12.85
5000 ft.	NARTB Hub	5051 H	20.00
	NARTB 14" Aluminum Reel	5051 R	26.00

TYPE ^{Longer} **L** **R** _{ecording} AUDIOTAPE on 1 mil "Mylar"

Provides 50% more recording time on a single reel of tape. Same super-quality magnetic oxides as Plastic Base Audiotape, but uses base material of 1 mil "Mylar" polyester film having much higher tensile and tear strength than cellulose acetate of the same thickness.

Length	Reel	Type No. ‡	List Price Each
900 ft.	5" Plastic	961	\$ 4.40
1800 ft.	7" Plastic	1861	7.95
3600 ft.	NARTB Hub	3661 H	16.00
	NARTB 10½" Aluminum Reel	3661 R	17.95

AUDIOTAPE ON Mylar* POLYESTER FILM

* DuPont Trade Mark

High-strength, super-durable magnetic recording tape that meets the highest professional standards of performance. Made on polyester film, it withstands extreme temperatures, is virtually immune to humidity, and gives maximum tape life under any conditions of use or storage. Available in three base thicknesses to meet individual recording requirement for various applications.

Thickness of Base	Length	Reel	Type No. ‡	List Price Each
1 Mil	300 ft.	4" Plastic	361	\$ 2.20
	600 ft.	5" Plastic	661	4.25
	1200 ft.	7" Plastic	1261	6.85
	2500 ft.	NARTB Hub NARTB 10½" Reel	2561 H 2561 R	12.50 15.35
1½ Mil (standard)	300 ft.	4" Plastic	371	2.75
	600 ft.	5" Plastic	671	5.00
	1200 ft.	7" Plastic	1271	8.25
	2500 ft.	NARTB Hub NARTB 10½" Reel	2571 H 2571 R	15.00 17.85
2 Mil	500 ft.	5" Plastic	581	5.00
	1000 ft.	7" Plastic	1081	8.25
	2000 ft.	NARTB Hub	2081 H	15.00
		NARTB 10½" Reel	2081 R	17.85

‡ Type Numbers listed cover red oxide tape wound on reel with OXIDE FACING IN. Tape wound with Oxide Out can be supplied if desired, and is identified by the same Type Number except that the last digit is changed from "1" to "0".

COLORED AUDIOTAPE (on colored plastic base)



Green and blue colored Audiotape, in conjunction with the standard red-brown tape, provide instant visual identification of recorded selections spliced into a single reel (as shown above) — permit fast and easy color cueing and color coding. Eliminate need for identifying leaders between selections.

Color	Length	Reel	Type No.	List Price Each	
Green	150 ft.	3" Plastic	151 G	\$ 0.85	
	300 ft.	4" Plastic	351 G	1.60	
	600 ft.	5" Plastic	651 G	3.50	
	1200 ft.	7" Plastic	1251 G	5.50	
	2500 ft.	}	NARTB Hub	2551 HG	10.00
			NARTB 10½" Aluminum Reel	2551 RG	12.85
	5000 ft.	}	NARTB Hub	5051 HG	20.00
NARTB 14" Aluminum Reel			5051 RG	26.00	
Blue	150 ft.	3" Plastic	151 B	\$ 0.85	
	300 ft.	4" Plastic	351 B	1.60	
	600 ft.	5" Plastic	651 B	3.50	
	1200 ft.	7" Plastic	1251 B	5.50	
	2500 ft.	}	NARTB Hub	2551 HB	10.00
			NARTB 10½" Aluminum Reel	2551 RB	12.85
	5000 ft.	}	NARTB Hub	5051 HB	20.00
NARTB 14" Aluminum Reel			5051 RB	26.00	

COLORED AUDIOTAPE REELS (empty reels in individual boxes)

These plastic Audiotape reels, in attractive jewel-tone colors, provide many opportunities for color coding recorded material — as to tape speed, single or dual track, subject matter, etc.

Reel	TYPE NO.				List Price Each
	Red	Yellow	Green	Blue	
5" Empty Plastic Reel	5 PBR	5 PBY	5 PBG	5 PBB	\$0.55
7" Empty Plastic Reel	7 PBR	7 PBY	7 PBG	7 PBB	0.85

EMPTY AUDIOTAPE REELS (clear plastic and aluminum)



Standard tape reels in sturdy individual boxes for convenient handling and storage. Box for 10½" and 14" reels has special folding inner sleeve of strong corrugated board for added safety in handling and storage.

Reel	Type No.	List Price Each
3" Clear Plastic Reel, in Box	3 PB	\$ 0.25
4" Clear Plastic Reel, in Box	4 PB	0.40
5" Clear Plastic Reel, in Box	5 PB	0.55
7" Clear Plastic Reel, in Box	7 PB	0.85
10½" NARTB Aluminum Reel, in Box	10 RB	4.50
Pair of 10½" Aluminum Side Flanges, with Screws	10 S	3.35
14" NARTB Aluminum Reel, in Box	14 RB	8.70
Pair of 14" Aluminum Side Flanges, with Screws	14 S	7.25
NARTB Aluminum Hub (Without Box)	10 H	0.65

CORRUGATED MAILING BOXES (strong, re-usable containers)



Ideal for tape "correspondence groups" or wherever frequent mailing of recorded material is required.

Size	Type No.	List Price Each
For 5" Reels	5 M	\$ 0.15
For 7" Reels	7 M	0.20
For 10½" Reels	10 M	0.30

new type

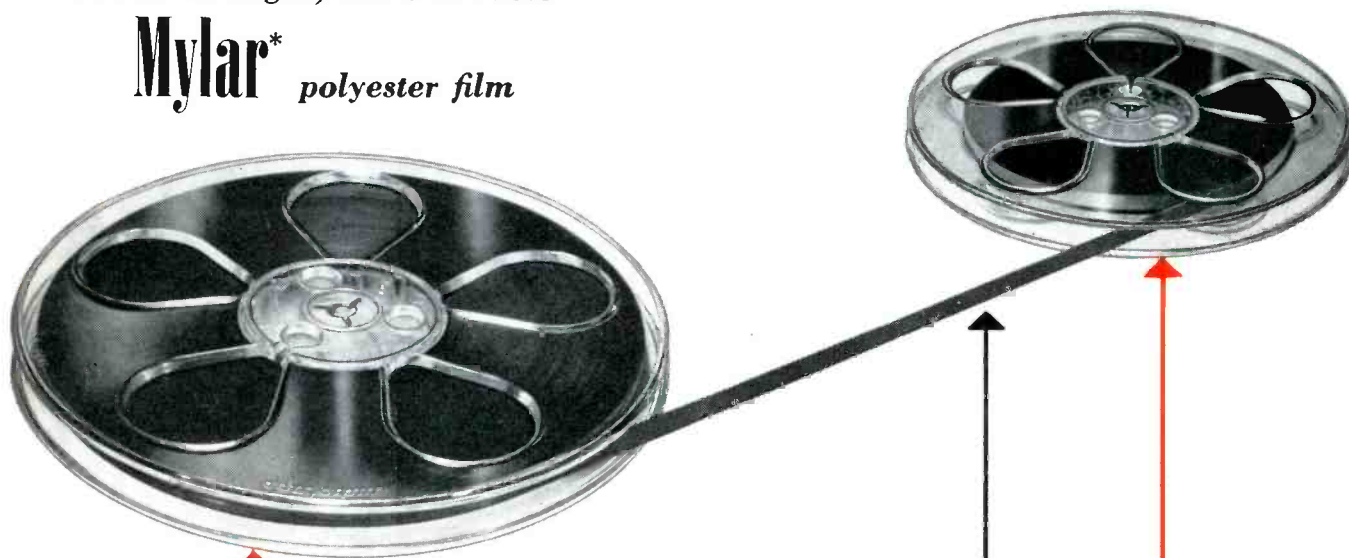


audiotape TRADE MARK

gives you **50% MORE** recording time per reel

... on stronger, more durable

Mylar* polyester film



With Type LR Audiotape, you get the equivalent of a reel-and-a-half of ordinary tape . . .

900 ft on a 5" reel
1800 ft on a 7" reel
3600 ft on a 10½" reel

Type LR Audiotape is made on a 1-mil base of stronger, more durable "Mylar" polyester film — withstands extreme temperatures, is virtually immune to moisture, gives maximum tape life under all conditions of use and storage.

This new *Longer-Recording Audiotape* saves time and effort, eliminates reel changes, gives uninterrupted continuity of recording and playback for *any application* where recording time exceeds the conventional reel capacity.

Laboratory tests, as well as unsolicited testimonials by radio stations and recording experts, have conclusively demonstrated the superiority of LR Audiotape—in both performance and durability. It is also important to note that the largest users of longer playing tape are now insisting that it be made on "Mylar" polyester film, the base material used for LR Audiotape—additional proof of its superior quality.

Ask your dealer for a supply of longer-lasting, longer-recording Type LR Audiotape. A copy of Bulletin No. 211, giving complete data and specifications on LR Audiotape, is yours for the asking.

*Du Pont Trade Mark

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