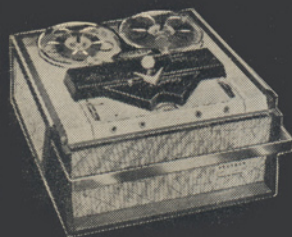
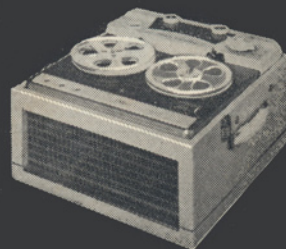
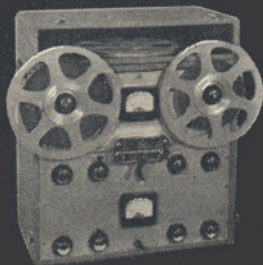
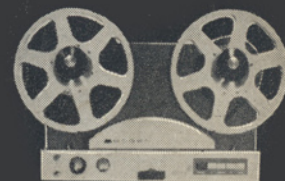
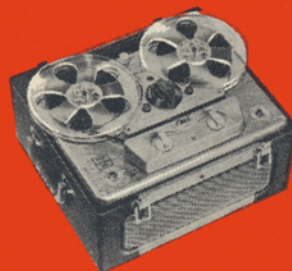
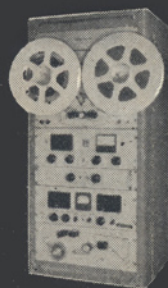
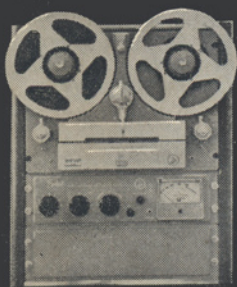


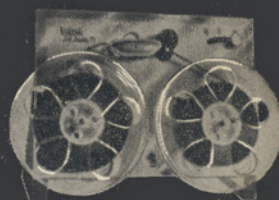
audio record

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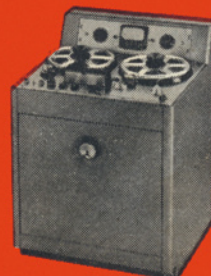
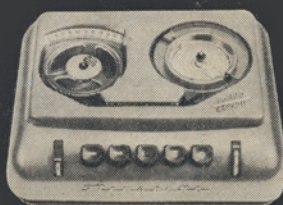
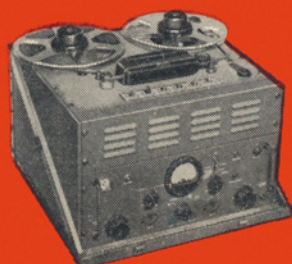
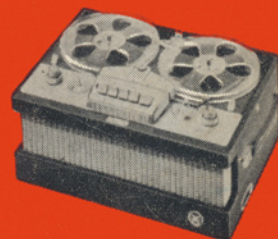
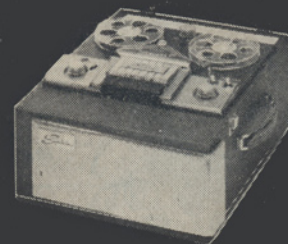
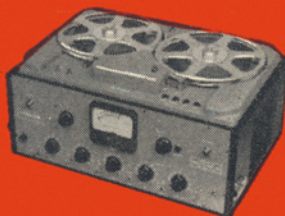
audiocassettes
audiotape
audiofilm
audiopoints



**TAPE
RECORDER
DIRECTORY
ISSUE**

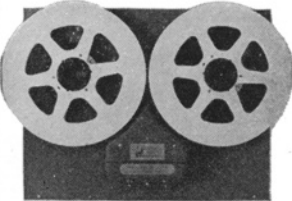

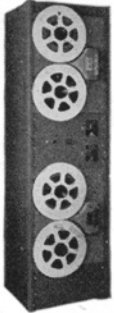

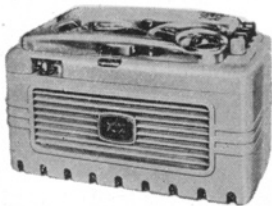


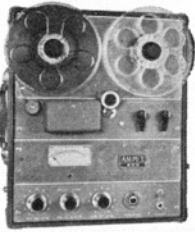
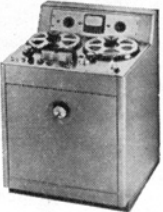

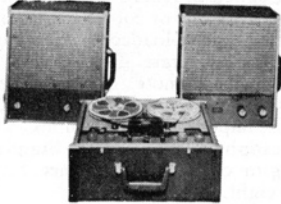


**1957
1958**





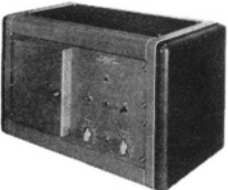




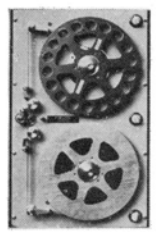






QUICK FACTS ON MAGNETIC TAPE RECORDER




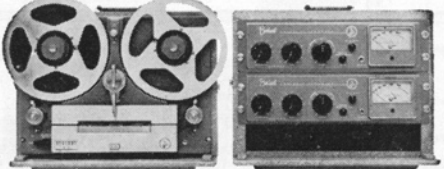


(Additional Information can be obtained by writing to the manufacturer)

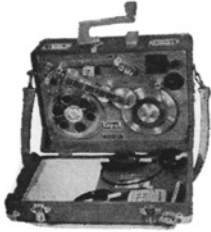



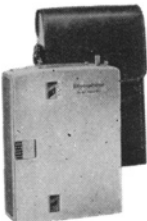
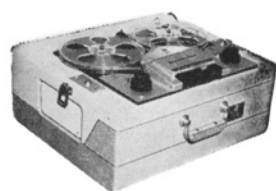
Manufacturer	Model and Price	Frequency Response	Data
ALTO FONIC MUSIC SYSTEMS, INC. 935 Commercial Street Palo Alto, Calif.	 <p>Model 450H Continuous Automatic Tape Reproducer</p> <p>Model 450HR ... for rack mounting \$793.00</p> <p>Add \$30.00 for 7½ ips</p>	<p>50-7500 cycles at 3¾"/sec. (±2 db)</p> <p>at 7½"/sec. 50-10,000 cycles (±2 db) or</p> <p>50-15,000 cycles (±4 db)</p>	<p>Ampex-designed, -proved, -licensed. Plays dual track, pre-recorded, 8-hour tapes continuously. Plays 4 hours on one track, reverses automatically and plays 4 hours on the opposite track, reversing and repeating indefinitely. Signal-to-noise ratio —50 db. Simplest mechanism driven by one hysteresis synchronous motor and unique Ampex reel take-up system. Includes plug-in electronic section with Silent Sensing Automatic Reversing, actuated by one minute of silence at end of each reel. Also operates T-11 Timer for intermittent operation, and Automatic Message Insertion Unit. Has plug-in receptacles. Provides 110 v. direct current receptacle for powering remote control relays.</p>
	 <p>Model 460 DeLuxe Console \$1095.00</p> <p>Model 461A \$997.50</p>	<p>as above</p>	<p>Complete background music system in console including 450H reproducer (described above) with A-12 Alto Fonic hi-fi 12 watt amplifier, monitor speaker with volume control, T-10 7-day Timer for automatic operation. Plug-in accessories include microphone, Fader, Chime-tone Pager, 480 Ad Merchandiser. Sub-panel on top of cabinet includes T-10 Timer, volume control and space for Ad Merchandiser. Size overall — 34" high, 37" wide, 17" deep.</p> <p>MODEL 461A Similar to Model 460 except console has open front and is finished in Zolotone. Includes A-12 Alto Fonic high fidelity 12 watt amplifier. Does not include Timer, monitor speaker and control.</p>
	 <p>Model 455 Series 455-12 \$1435.00 455-25 \$1475.00 455-50 \$1535.00</p> <p>(last figure of model number is amplifier wattage — other amplifiers available up to 250 watts)</p> <hr/> <p>Model 457 Automatic Intermixing Programming System \$2275.00</p>	<p>as above</p>	<p>Completely automatic industrial music and paging unit. Self-contained system. "Building block" design, with interchangeable components for easy adaptability to existing, or new, speaker systems. All components are plug-in type, with polarized connections. Includes 450HR reproducer, voice and/or Chime-tone Paging, Timer Controls for completely automatic operation, plug-in facilities. Dimensions: 75" high, 22" wide, 18" deep.</p> <p>Completely automatic system with dual tape reproducers for unlimited intermixing of musical selections with unattended operation. The two reels (8", 10½", 14") are individually controlled by two timers. Interchange between reels may be one selection up to maximum time on each timer (3 hours). Exclusive Silent Sensing circuit permits change from one transport to the other only between selections. Includes two 450HR reproducers, T-12-13-R Intermixing Timer Control Panel with power switch and indicator light. Gray, crackle finish steel cabinet — 75" high, 22" wide, 18" deep.</p>
	 <p>Model 480 Ad Merchandiser (Automatic Message Insertion Unit) \$290.00</p>	<p>40-7000 at 3¾"/sec.</p>	<p>Provides for automatic insertion of a series of any length announcements, one at a time, between musical selections, at pre-set intervals. Messages pre-recorded on continuous loop tape from 1 to 28 minutes. Signal to noise ratio is 45 db. Tamper-proof, snap-in tape cartridge is easy to change. Simple adapter permits recording on any 3¾ ips tape recorder (55 minutes available on Moebius Loop cartridge). Includes monitor speaker and switch for checking tape independent of the system.</p>
AMERICAN GELOSO ELECTRONICS, INC. Manchester, N. H.	 <p>Geloso Hi-Tone Portable Recorder \$179.95</p>	<p>80-6000 cycles at 3¾"/sec. 100-4,500 cycles at 1⅞"/sec.</p>	<p>Imported dual track, dual speed portable tape recorder which operates at 1⅞" and 3¾"/sec. Four push-button controls for record, fast rewind, playback and stop. "Glo-light" indicates proper recording level. Input and output jacks. Special adjustment for line voltages between 110 and 240 AC. Can play up to 90 minutes. Transparent lucite cover for dust protection. Comes complete with microphone, tape, take-up reel and carrying case. Dimensions are 5½" x 9⅞" x 5⅞". Weight is 7½ lbs.</p>



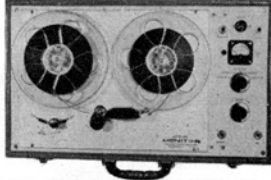

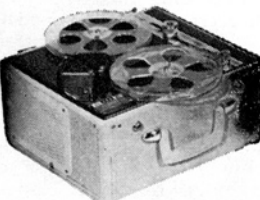
Manufacturer	Model and Price	Frequency Response	Data																					
AMPEX CORPORATION 934 Charter St., Redwood City, California	 <p>Model 601 Portable Tape Recorder \$595.00</p> <p>Model 601-2 2-Track Stereophonic Portable \$995.00</p>	<p>40-15,000 cycles (± 4 db) at $7\frac{1}{2}$" /sec. (± 2 db 40 to 10,000 cycles)</p>	<p>Portable, professional-type single-track or dual-track recorder with $7\frac{1}{2}$" tape speed. Takes up to 7" reels. Signal-to-noise, over 55 db. Flutter and wow, below 0.17%. Starting and stopping time, less than 1/5 second. Fast forward and rewind, 90 seconds for 1200 ft. 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. Weight, 28 lb.</p> <p>Model 601 tape transport with two modified 601 electronic chassis. Full-track erase, two-track record and two-track playback. Signal-to-noise, over 50 db either channel. Inter-track crosstalk rejection, over 50 db.</p>																					
	 <p>Model 300-C Console Tape Recorder \$2250.00</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 second. 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 below. Also available for portable or rack mounting. Available only on a factory-direct basis.</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>Other Equipment:</p>		<p>Two and three channel recorders for stereophonic or binaural sound recording and parallel recording. Portable or rack mounting. Information on request.</p>																					
AMPEX AUDIO, INC. a subsidiary of Ampex Corporation 1020 Kifer Road Sunnyvale, Calif.	 <p>"Caprice" Portable Model A112P Monaural Recorder \$339.50</p> <p>Model A122P Stereo Recorder \$495.00</p> <p>"Caprice" Uncased Model A114U Model A124U Model A122SP Monaural Stereo Stereo System \$329.50 \$479.50 \$849.50</p>	<p>At $7\frac{1}{2}$" /sec. 30-16,000 cycles ± 2 db 50- 10,000 cycles</p> <p>At $3\frac{3}{4}$" /sec. 30-8,000 cycles ± 2 db 50- 5,000 cycles</p>	<p>Two-speed units with half-track heads for dual-track recording and monaural or stereophonic playback (in line heads) through separate amplifier-speakers. Half-track erase heads. Signal-to-noise, better than 55 db below peak record level at $7\frac{1}{2}$" /sec. and 50 db at $3\frac{3}{4}$" /sec. Flutter and wow, under 0.25% at $7\frac{1}{2}$" /sec., 0.3 at $3\frac{3}{4}$" /sec. Rewind time, less than 90 sec. for 1200 ft. Inputs: high impedance line 0.4v rms for program level; high impedance microphone. Playback output greater than 0.75 rms into high impedance load. Portable units weigh 35 lb. Stereo system includes Model A121 and two speaker-amplifiers (A692P).</p>																					
	<p>"Crescendo" Console Music Systems</p>  <p>Models A423CW CT, FP, TM \$1795.00</p> <p>Models A423B, K \$1,495.00</p>	<p>as above</p>	<p>This console contains the A121 stereophonic recorder, an AM-FM radio, a 4-speed record player and two amplifier speaker systems for stereo tape playback. The letters after the model numbers designate the type of finish used for the cabinet: walnut, teak, cherry, mahogany, brunette, korina.</p>																					
	<p>"Concerto" Modular Units Model A121S (stereo system) \$895.00 Model A121 (stereo recorder) \$495.00</p>	<p>as above</p>	<p>These units include the A121 stereophonic recorder in a console cabinet and two matched speaker-amplifiers (A621). Cabinets are in brunette, cherry, teak, walnut.</p>																					
	<p>A621 Amplifier Spkr. (Console) \$229.50 A692 Amplifier Spkr. (Portable) \$199.50</p>		<p>Ten watts output with noise 70 db below rated output. Response essentially flat from 65 to 10,000 cycles. Controls for volume and equalization.</p>																					
AMPLIFIER CORPORATION OF AMERICA 398 Broadway New York 13, N. Y.	 <table border="1" data-bbox="505 1814 748 2011"> <thead> <tr> <th>Model</th> <th>Speed in/sec.</th> <th>Price</th> </tr> </thead> <tbody> <tr> <td>610-AV</td> <td>$1\frac{5}{16}$</td> <td>\$365</td> </tr> <tr> <td>610-BV</td> <td>$1\frac{7}{8}$</td> <td>315</td> </tr> <tr> <td>610-CV</td> <td>$3\frac{3}{4}$</td> <td>345</td> </tr> <tr> <td>610-TV</td> <td>$7\frac{1}{2}$</td> <td>365</td> </tr> <tr> <td>610-DV</td> <td>$7\frac{1}{2}$</td> <td>385</td> </tr> <tr> <td>610-EV</td> <td>15</td> <td>425</td> </tr> </tbody> </table>	Model	Speed in/sec.	Price	610-AV	$1\frac{5}{16}$	\$365	610-BV	$1\frac{7}{8}$	315	610-CV	$3\frac{3}{4}$	345	610-TV	$7\frac{1}{2}$	365	610-DV	$7\frac{1}{2}$	385	610-EV	15	425	<p>300- 2,500 cps 100- 3,000 cps 50- 5,000 cps 50- 7,500 cps 50- 7,500 cps 50-15,000 cps</p>	<p>Completely self-contained battery-operated portables with spring motor drive. 610-DV and EV are single track — others, dual track. Winding interval 3 to 30 min., depending on tape speed. Motor can be rewound while operating. VU meter for measuring record level, output level, "A" battery and "B" battery. Playback through earphones or external amplifier. PM erase optional at extra cost. High and low level inputs. Output impedance, 50,000 ohms. Incoming signal can be monitored by VU meter or earphones. Dimensions, $6\frac{1}{2}$" x $9\frac{1}{2}$" x 14". Weight, approx. 19 lb.</p>
Model	Speed in/sec.	Price																						
610-AV	$1\frac{5}{16}$	\$365																						
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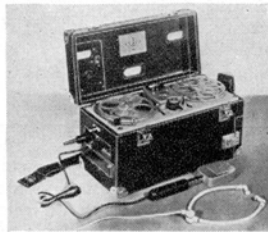

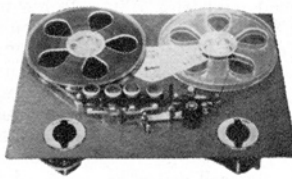

Manufacturer	Model and Price			Frequency Response	Data																													
AMPLIFIER CORPORATION OF AMERICA 398 Broadway New York 13, N. Y. (other models available)	 "Magnemite" Portables	<table border="1"> <thead> <tr> <th>Model</th> <th>Speed in/sec.</th> <th>Price</th> </tr> </thead> <tbody> <tr><td>610-A</td><td>15/16</td><td>\$275</td></tr> <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> <tr><td>610-DM</td><td>5/16-7 1/2</td><td>355</td></tr> <tr><td>610-EM</td><td>1 7/8-15</td><td>395</td></tr> </tbody> </table>	Model	Speed in/sec.	Price	610-A	15/16	\$275	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	610-DM	5/16-7 1/2	355	610-EM	1 7/8-15	395		300- 2,500 cps 100- 3,000 cps 50- 5,000 cps 50- 7,500 cps 50- 7,500 cps 50-15,000 cps as above	Completely self-contained, battery-operated portables with spring motor drive. Models 610-SD and -E, one track. Four speed models 610-DM and -EM, one or two track. All others dual track. Winding interval, 3 to 15 min. Motor can be rewound while operating. Indicator signals 30 sec. before motor rewind. Playback through headphones or external amplifier. Optional erase. Dimensions, 11" x 8" x 5" for 610-A and B; 11" x 10" x 7" for all others. Weight, 12 to 17 lb.		
		Model	Speed in/sec.	Price																														
		610-A	15/16	\$275																														
		610-B	1 7/8	225																														
		610-C	3 3/4	255																														
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610-DM	5/16-7 1/2	355																																
610-EM	1 7/8-15	395																																
 Weatherite "Magnemites" (Add \$30 to price of Std. Units)		as above	All standard "Magnemites" available in weather-tight sealed aluminum cases with tongue and grooved edges and built-in neoprene gasket seals. Will successfully withstand severe environmental conditions. Satin finished case anodized to resist corrosion.																															
 "Flyweight Magnemite"	<table border="1"> <tbody> <tr><td>310-A</td><td>15/16</td><td>340</td></tr> <tr><td>310-B</td><td>1 7/8</td><td>290</td></tr> <tr><td>310-C</td><td>3 3/4</td><td>320</td></tr> <tr><td>310-TD</td><td>7 1/2</td><td>340</td></tr> <tr><td>310-SD</td><td>7 1/2</td><td>360</td></tr> <tr><td>310-E</td><td>15</td><td>400</td></tr> </tbody> </table>	310-A	15/16	340	310-B	1 7/8	290	310-C	3 3/4	320	310-TD	7 1/2	340	310-SD	7 1/2	360	310-E	15	400		300- 2,500 cps 100- 3,000 cps 50- 5,000 cps 50- 7,500 cps 50- 7,500 cps 50-15,000 cps	Portable, battery-operated electric motor driven recorders with single tape speed. Models 310-SD and 310E are single track, others dual track. Net weight, only 8 lb. Max. reel size, 5". Rewind time, 2 min. Earphone monitor and playback. No erase. PM erase available as optional feature. Powered by 5 replaceable mercury batteries. Dimensions, 5 1/2" x 9" x 12".												
310-A	15/16	340																																
310-B	1 7/8	290																																
310-C	3 3/4	320																																
310-TD	7 1/2	340																																
310-SD	7 1/2	360																																
310-E	15	400																																
 "Secret Recorder"	<table border="1"> <tbody> <tr><td>210-B</td><td>1 7/8</td><td>349</td></tr> <tr><td>210-BC</td><td>1 7/8</td><td>369</td></tr> <tr><td></td><td>3 3/4</td><td></td></tr> </tbody> </table>	210-B	1 7/8	349	210-BC	1 7/8	369		3 3/4			100- 3,000 cps 100- 3,000 cps 50- 5,000 cps	Hidden in zipper compartment of briefcase, operates anywhere on dry cell batteries. Hidden microphone and concealed start-stop clasp switch. Dual track, single or 2-speed recorder operates on replaceable batteries. Maximum reel size 5". Rewind time, 2 min. Earphone playback. No erase. PM erase available as optional feature. Weight complete, including briefcase, 11 3/4 lb.																					
210-B	1 7/8	349																																
210-BC	1 7/8	369																																
	3 3/4																																	
 "MagneLoop" Continuous Loop Tape Recorder	<table border="1"> <thead> <tr><th colspan="3">SINGLE CHANNEL</th></tr> </thead> <tbody> <tr><td>535-B</td><td>1 7/8</td><td>345</td></tr> <tr><td>535-C</td><td>3 3/4</td><td>365</td></tr> <tr><td>535-D</td><td>7 1/2</td><td>385</td></tr> <tr><td>535-E</td><td>15</td><td>405</td></tr> <tr><th colspan="3">DUAL CHANNEL</th></tr> <tr><td>536-B</td><td>1 7/8</td><td>495</td></tr> <tr><td>536-C</td><td>3 3/4</td><td>515</td></tr> <tr><td>536-D</td><td>7 1/2</td><td>535</td></tr> <tr><td>536-E</td><td>15</td><td>555</td></tr> </tbody> </table>	SINGLE CHANNEL			535-B	1 7/8	345	535-C	3 3/4	365	535-D	7 1/2	385	535-E	15	405	DUAL CHANNEL			536-B	1 7/8	495	536-C	3 3/4	515	536-D	7 1/2	535	536-E	15	555		50- 2,500 cps 50- 7,500 cps 50-10,000 cps 50-15,000 cps 50- 2,500 cps 50- 7,500 cps 50-10,000 cps 50-15,000 cps	Designed to record and play back any messages, musical programs or sound effects up to 60 min. in length on cartridge-loaded endless loop of std. 1/4" tape. Automatic erase. Push-button start and stop, switch or relay remote control. Electronic-eye recording level indicator. Microphone and bridging inputs. Output impedance, 600 ohms. Output level, +6VU. Headphone monitoring. Standard rack panel mounting or custom rack cabinet. Size, 19" x 8 3/4" x 9 1/2". Weight, 24 lb.
SINGLE CHANNEL																																		
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"Stereo-Magnemite"	<table border="1"> <tbody> <tr><td>611-C</td><td>3 3/4</td><td>355</td></tr> <tr><td>611-D</td><td>7 1/2</td><td>395</td></tr> <tr><td>611-E</td><td>15</td><td>435</td></tr> </tbody> </table>	611-C	3 3/4	355	611-D	7 1/2	395	611-E	15	435		100- 3,000 cps 50- 7,500 cps 50-15,000 cps	Portable, stereophonic battery-operated spring-motor recorder. Mechanically similar to 610 series. Two separate channels for stereophonic recording. Independent gain for each channel. Can be monitored with binaural headphones while recording. Optional P.M. erase. Input impedance, 1 Megohm. Output impedance, 50,000 ohms. Size, 8 1/2" x 11" x 10". Weight, 17 lb.																					
611-C	3 3/4	355																																
611-D	7 1/2	395																																
611-E	15	435																																
AMPRO CORPORATION GRAFLEX, INC. 154 Clarissa St. Rochester 8, N. Y.	 "Hi-Fi Two Speed" Model 758 \$249.95 Model 758-T \$284.45 "Stereophonic Hi-Fi Two Speed" Model 758-S \$284.45		40-15,000 cycles at 7 1/2"/sec. 40-7,500 cycles at 3 3/4"/sec.	Portable, dual-track, dual speed recorder. Includes "Piano Key" 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, 72"/sec. Rewind, 120"/sec. Signal-to-noise, 42 db. Power output, 3.2 watts. Built-in 6" x 9" PM speaker. Weight, 34 lb. Model 758-T has same features as Model 758 plus built-in AM Tuner. Model 758-S has same features as Model 758 plus two heads for stereophonic playback.																														
AUDIO-MASTER CORP. 17 East 45th St. New York 17, N. Y.	 Butoba Portable Recorder \$345.00 Selectophon Tape-Record-Player \$379.50		50-9,000 cycles (±3 db) 40-12,000 cycles (±2 db)	Portable, transistorized, dual-track, battery-operated recorder with push-button controls. Driven by special spring-wound motor with elapsed-time indicator. Tape speeds: 3 3/4 and 1 7/8. Running time is 20 and 40 minutes respectively. Multi-purpose head: record and playback-erase. Volume level indicator is magic eye tube. Playback through built-in oval speaker or external amplifier. Optional telephone conversation recorder adapter available. Selectophon is a tape-record-player which records up to 6 hours on a 35 mm endless tape and plays 33, 45 and 78 rpm records. Built-in amplifier and speaker.																														



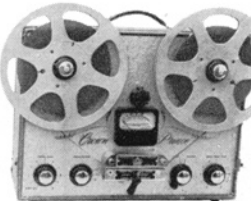
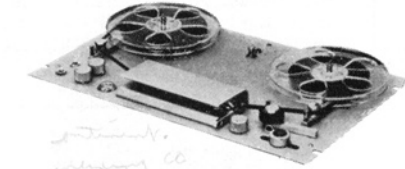

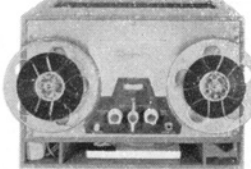
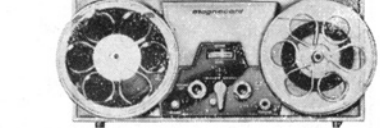
Manufacturer	Model and Price	Frequency Response	Data
AUDIOMATION LABORATORIES 7230 Clinton Rd. Upper Darby 23, Pa.	 <p style="text-align: center;">PERFECTONE Continuous Tape Player \$730-\$830</p>	<p>40-8,000 cycles at 3 3/4" /sec. 40-15,000 cycles at 7 1/2" /sec.</p>	<p>Heavy-duty rack type tape phonograph for providing up to 8 hours of unattended, background music without repetition. Two speeds. Automatic reversal and shut-off with unmodified tape. Automatic, continuous re-cycling or shut-off controlled by switch on panel. Simple controls, light tape tension. Easy and precise head alignment. Signal-to-noise, better than 50 db at 7 1/2" /sec. Hysteresis synchronous capstan motor and two 4-pole torque motors. Max. reel size, 14". Price depends on type of amplifier and number of speeds desired.</p>
	 <p style="text-align: center;">CONCERTCASTER Including Perfectone and amplifier \$835-\$1010</p>	<p style="text-align: center;">as above</p>	<p>This is a complete package consisting of the Perfectone, cabinet and power amplifier. The 7/32" crystal glass cover rests on a sponge rubber gasket to exclude dirt and dust. The mechanism pivots for easy access. Price depends on number of speeds and type of amplifier desired.</p>
	 <p style="text-align: center;">VaryTape System With push-pull line Amp. plus 8 VU, balanced Single speed \$1750 Dual speed \$1900</p>	<p style="text-align: center;">as above</p>	<p>Consists of two identical Perfectone automatic 8-hour tape-handling mechanisms arranged for unlimited variation of program continuity by the automatic inter-mixture of the music content of any two reels. Automatically stops one mechanism and starts the other whenever 30 seconds or more of silence occurs on the tape being played. Permits up to 16 hours of music without repetition. Cycling fully automatic and infinitely adjustable.</p>
	 <p style="text-align: center;">Autospercer System Single speed \$2470 Dual speed \$2695</p>	<p style="text-align: center;">as above</p>	<p>The new Autospercer has two Perfectone tape players, a control panel for either wired or multiplex service, and an Adcaster tape player for storecasting or similar special services. The Adcaster provides up to 30 minutes of recorded commercial on one track and automatically re-winds and cuts to first commercial when played through. The twelve-station programming cycle repeats automatically.</p>
BELL & HOWELL COMPANY 7100 McCormick Road Chicago 45, Ill.	<p style="text-align: center;">Bell & Howell Miracle 2000</p>  <p style="text-align: center;">Model 300-M Mahogany \$299.50 Model 300-B Blond Oak \$314.50 Model 300-L Plywood \$299.50</p>	<p style="text-align: center;">50-15,000 cycles at 7 1/2" /sec.</p>	<p>Manual turnover dual-track recorder with tape speeds of 7 1/2" and 3 3/4" per second. Four speakers: two 8" woofers on opposite sides of case and two electrostatic tweeters behind front grill. Three separate motors with electro-magnetic instant braking. Interlocking push-button controls for stop, forward, rewind, play, speaker and record (with safety lock). Automatic tape shut off. Program indicator with manual reset. Fast forward and rewind, 1200 feet in 40 seconds. Wow and flutter below 0.2% at 7 1/2" /sec. Delivers over 8 watts audio. Signal-to-noise, better than 40 db. Distortion less than 3% at 4 watts. Speaker selector switch. Output jacks for external amplifier and speaker. Two neon record level lamps. Illuminated volume and tone controls. Prices include controlled reluctance microphone, power cord, radio-phono patch cord and 7" reel.</p>
	 <p style="text-align: center;">Model 730 "Stereotone" Portable \$269.50</p>	<p style="text-align: center;">as above</p>	<p>Portable model of vertical design. Has 10-inch extended range speaker. Otherwise, same as above.</p>
	 <p style="text-align: center;">Model 775 Portable \$189.50</p>	<p style="text-align: center;">50-13,000 cycles (±4 db) at 7 1/2" /sec.</p>	<p>Two-speed, dual track portable tape recorder taking reels up to 7" diam. Five-button control. Two 5 1/4" speakers. Three position switch for normal, monitor or public address operation. Runs at 7 1/2" or 3 3/4" speeds. Twin-level recording guides. Special pause control eliminates usual clicks when starting or stopping. Single knob for tone control. 5-watt amplifier. Distortion less than 1%. Signal-to-noise ratio more than 40 db. Wow and flutter less than 0.5% at 7 1/2" /sec. Weight: 38 lbs.</p>

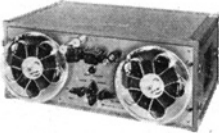



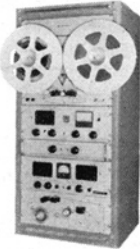
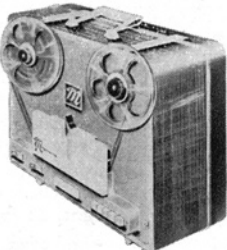
Manufacturer	Model and Price	Frequency Response	Data
BELL SOUND SYSTEMS, INC. 555 Marion Road Columbus 7, Ohio	 <p>Tape Transport T200 \$99.95 T201 \$109.95 T202 \$119.95 T203 \$139.95 T206 \$239.95 RP 120 Pre-Amplifier \$59.95 P100 Pre-Amplifier \$29.95</p>	<p>40-10,000 cycles (± 2 db) 20-15,000 cycles (± 4 db)</p>	<p>New tape transport providing almost unlimited flexibility. Three motors. Two speeds: $7\frac{1}{2}$ and $3\frac{3}{4}$. Signal-to-noise ratio is better than 50 db. Distortion less than 1%. Has index counter, power off-on switch, piano-key controls. Available in following combinations: T-200: monaural record/playback; T-201: monaural and stereo playback; T-202: monaural record/playback and stereo playback; T-203: monaural record/playback and stereo record/playback; T-206: incorporates Model T-202 with P-100 and RP-120 in portable carrying case.</p>
	 <p>Model BT-205-IB Monaural Record with inline Stereo Playback \$224.50 Model BT-205-OB Monaural Record with offset Stereo Playback \$209.95</p> <p>Playmates Model RT204 Monaural Record/playback \$179.95</p>	<p>30-12,000 cycles at $7\frac{1}{2}$" /sec.</p>	<p>New 3-motor, dual track portable tape recorder. Two speeds, $7\frac{1}{2}$ and $3\frac{3}{4}$. Has positive braking, and piano-key controls. Power output is 5 watts. Tape lifter removes tape from heads during Stop and High Speeds. Wow and flutter is less than 0.25% at $7\frac{1}{2}$ ips. Automatic interlock prevents accidental erasure. Original equipment includes microphone, empty 5" reel and full reel of tape.</p>
	 <p>Model BT76 Monaural Record/Playback and Stereo Playback \$189.95</p>	<p>30-12,000 cycles at $7\frac{1}{2}$" /sec.</p>	<p>Portable dual-track recorder with single-lever speed selector for $7\frac{1}{2}$", $3\frac{3}{4}$" or $1\frac{7}{8}$" per second. Stereo playback by connecting stereo output jack to any amplifier with phono input. Pushbutton recording switch with safety interlock. Fast forward and rewind.</p>
BERLANT-CONCERTONE Division of American Electronics, Inc. 9449 West Jefferson Blvd Culver City, Calif.	 <p>SERIES 30 Model 31, full track recorder\$695.00 Model 32, half track recorder\$695.00 Model 33, two-channel stereo recorder\$995.00 Modification ST, to full track, half track and two channel stereo 204.00</p>	<p>50-15,000 cycles (± 2 db) at 15" /sec. 50-12,000 cycles (± 2 db) at $7\frac{1}{2}$" /sec. 50-6,500 cycles (± 2 db) at $3\frac{3}{4}$" /sec.</p>	<p>All Series 30 models have following features: Two-speed direct drive hysteresis synchronous motor and two torque motors; 3 heads with provision for 2 more; $4\frac{1}{2}$" VU meter; 2-channel input mixer; A-B test fader and cueing/editing switch. Instant speed selection of 15" /sec. and $7\frac{1}{2}$" /sec. or $3\frac{3}{4}$" /sec. and $7\frac{1}{2}$" /sec. Signal-to-noise, 55 db by proposed NARTB Standard (full track). Total harmonic distortion, 2% at zero VU. Total flutter and wow, less than 0.1% rms at 15" /sec., 0.2% at $7\frac{1}{2}$" /sec. Fast forward and rewind, less than 60 sec. for 2500 ft. High impedance microphone input and unbalanced bridging input. Output impedance, cathode follower, 600 ohms with plug-in transformer.</p>
	 <p>SERIES 60 Model 61 \$495.00 Model 62 \$595.00 Model 63 \$695.00 (Cases for above \$60.00 extra)</p>	<p>40-12,000 cycles (± 2 db) at $7\frac{1}{2}$" /sec. 30-15,000 cycles (± 2 db) at 15" /sec.</p>	<p>All Series 60 models have the following features: two high-speed take-up motors with positive self compensating braking system. Direct hysteresis synchronous tape drive for 99.8% accuracy. Torque control switch. Five-pushbutton control. VU type meter. Tape speeds are 15 and $7\frac{1}{2}$. Signal-to-noise ratio is 45 db at $7\frac{1}{2}$ ips single track, 55 db at 15 ips single track. Wow and flutter is 0.15% rms at 15 ips, 0.25% rms at $7\frac{1}{2}$ ips. Bias frequency is 100 kc.</p> <p>Model 61 is half track record/playback. Model 62 is half track record, with half track, full track and stereo playback. Model 63 is full stereo record/playback.</p>
DAVID BOGEN CO., INC. P.O. Box 500 Paramus, N. J.	 <p>Model TR-30 Price upon request</p>	<p>40-15,000 cycles at 15" /sec. 50-10,000 cycles at $7\frac{1}{2}$" /sec.</p>	<p>New low-cost professional type monaural/stereo playback recording unit. Has direct-drive hysteresis synchronous capstan motor and two torque motors; dynamic braking. Two speeds: $7\frac{1}{2}$ and 15 ips. Other features are: push button function switches, slot loading, automatic tape lift in high speed, three separate heads, two self-contained pre-amplifiers (one converts from record to play for stereo playback), volume level meter, microphone and tuner inputs, earphone monitor jack. Wow and flutter is 0.2% at 15 ips. Signal-to-noise is 50 db. Panel size is 19" x $12\frac{1}{4}$".</p>


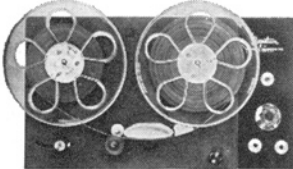
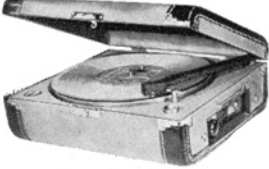
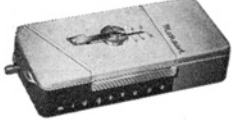



Manufacturer	Model and Price	Frequency Response	Data
<p>BROADCAST EQUIPMENT SPECIALTIES CORP.</p> <p>P.O. Box 149 Beacon, N. Y.</p>	<p>Tapak (tape-pack)</p>  <p>Duplex Newscaster \$349.50</p>	<p>100-9,000 cycles at 7 1/2" /sec.</p>	<p>The spring-powered equivalent of convelial electric tape recorders. Records, erases, monitors, rewinds at high speed, plays back through built-in 4" x 6" loud-speaker for room size audiences, or will feed an external amplifier or public address system. Has new unitized amplifier with transistorized AC bias oscillator for low battery drain and extended frequency range. Speed 7 1/2" per second (3 3/4" optional). Range: 55-58 db.</p>
	<p>Triplex Newscaster \$399.75</p>	<p>100-9,000 cycles at 7 1/2" /sec.</p>	<p>Same as Duplex Newscaster Model with the addition of a miniature VU meter and provision to drive a 500 ohm line. Can thus drive a line while the recorder function stands by ready to record the material in case of line failure. Speed 7 1/2" per second (3 3/4" optional). Range: 55-58 db.</p>
	<p>Simplex Newscaster \$289.50</p>	<p>100-6,000 cycles at 7 1/2" /sec.</p>	<p>The standard Tapak for broadcast use. Records, rewinds at high speed, crystal microphone doubles as listening device, feeds external amplifier or phono input of radio for loudspeaker reproduction. Recording characteristics for NARTB on studio equipment or home recorders. Speed 7 1/2" (3 3/4" optional). Range: 35-40 db.</p>
<p>COLUMBIA RECORDS, Inc.</p> <p>799 Seventh Avenue, New York 19, N. Y.</p>	 <p>Portable Recorder Model 570 \$299.95</p>	<p>60-12,000 cycles at 7 1/2" /sec.</p>	<p>Complete portable stereophonic playback and monaural recorder with in-line heads. Consists of two matching units, one containing two amplifiers and one set of speakers and the other containing one set of speakers and storage space for tapes. Push-button control with neon level indicators for recording. Each amplifier capable of 3 watts undistorted, for a total of 6 watts of output. Contains two 7" oval speakers and two 4" tweeters. Tape index counter, balancing control and automatic shut-off after completion of tape. Microphone and balancing tape provided with each unit. Microphone and balancing tape stitched, washable vinyl.</p>
	<p>Portable Recorder Model 575 \$399.95</p>	<p>50-14,000 cycles at 7 1/2" /sec.</p>	<p>Amplifiers have total output of 15 watts. Contains two 8" speakers and two 4" tweeters. Cases are covered with Neolite. Otherwise same as above.</p>
	 <p>Portable Recorder Model 560 \$139.95</p>	<p>100-5,500 cycles at 7 1/2" /sec.</p>	<p>Portable, two-speed, dual track recorder with two large PM speakers and single master control for recording or playback. Tape speeds, 7 1/2" and 3 3/4"/sec. Can be used as PA system, with or without auxiliary speaker. Automatic erase, fast forward and rewind speeds. One Brush recording and playback head. Neon record-level indicator. 4-watt amplifier. Includes high-impedance ceramic microphone. Approx. shipping weight, 18 1/4 lb.</p>
<p>De JUR AMSCO CORP.</p> <p>45-01 Northern Blvd., Long Island City 1, N. Y.</p>	 <p>Stenorette Dictating and Transcribing Machine \$179.50</p>	<p>ample for voice communication</p> <p>INC.</p>	<p>A dictating-transcribing machine operating on the magnetic tape principle. Uses Mylar tape. Push-button control for all functions. Duplicate set of controls on microphone/speaker for start, stop, automatic review, electronic erase and correction. Portable—weighs 11 lbs. 10 oz. Functions perfectly in a moving car (with transformer). Has built-in conference setting for recording groups. Recording time—30 minutes per reel. Transcription accessories—foot pedal control or typewriter control—features remote control backspacer for quick review. Dimensions: 11 1/2 x 9 1/2 x 4 1/2.</p>
<p>DICTAPHONE CORPORATION</p> <p>420 Lexington Avenue New York 17, N. Y.</p>	 <p>Dictet Miniature Recorder \$294.00</p>	<p>200-4,000 cycles</p>	<p>Miniature, dual-track, magazine loaded, magnesium case tape recorder. Powered by two 6-volt mercury batteries for motor, and separate battery for transistor amplifier. Battery life: 20 hours for motor, 40 for amplifier. Battery life indicators. Magazine has self-adjusting spindles; automatic stop at end of reel. Records at 2 1/2 ips; 30 minutes recording time on each side of magazine. Wow and flutter: 2.25%. Signal-to-noise: 45 db. Magnetic microphone is both microphone and monitor speaker. Motor operates only when mike is plugged in. Dimensions: 2" x 4 1/2" x 6 1/4". Weight: 2 lbs. 11 oz.</p>
<p>EDUCATIONAL LABORATORIES INC.</p> <p>1048 Potomac Street, N. W. Washington 7, D. C.</p>	 <p>Educorder Dual Model M-6A \$295.00</p>	<p>70-7,500 cycles at 7 1/2" /sec.</p> <p>70-5,000 cycles at 3 3/4" /sec.</p>	<p>Portable, two speed, two channel recorder with single-knob-control tape mechanism. Two separate record/reproduce amplifiers and two separate record-play-erase heads. Records or plays back both channels simultaneously or records on one while playing back the other. Monitoring by headphones while recording. Signal-to-noise, 40 db. Wow and flutter, 0.3% at 7 1/2"/sec. Fast forward and rewind, 70 sec. for 1200 ft. Nominal .75 watt peak power from each channel. Two input connections. Three output connections: Channel 1, Channel 2 and Dual for binaural headphones. Includes headphones and microphone. Weight, 30 lb.</p>


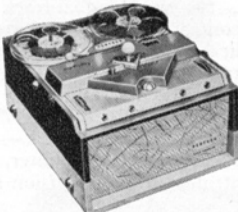



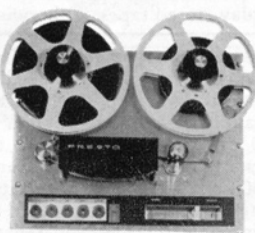
Manufacturer	Model and Price	Frequency Response	Data
ELECTRONIC APPLICATIONS 150 E. 35th St. New York 16, N. Y.	 <p>ReVox B36-2K \$399.00</p>	<p>40-12,000 cycles (+1 —2 db) 15,000 —4 db max.</p>	<p>Two-speed, dual track Swiss recorder. Three motors, solenoid operated functions. Three heads, permitting continuous playback monitoring. Coaxial 8" speaker. Frequency response, wow and flutter within NAB standards at 7 1/2"/sec. Speeds: 3 3/4 ips and 7 1/2 ips with pole switching hysteresis synchronous capstan drive motor. Signal-to-noise ratio is 50 db or better. Automatic tape shut-off. Output jack for speaker, external hifi amplifier. Remote control function installed.</p>
	 <p>NAGRA II C I \$620.00</p>	<p>50-10,000 cycles (± 2 db) at 7 1/2"/sec.</p>	<p>All temperature and all climate Swiss recorder for professional applications. Speed: 7 1/2"/sec., self-powered (spring). Battery operated; thirty hours battery life. Volume indicator meter. Monitor speaker for playback. High frequency, stabilized, pushpull bias and erase tube circuits. Spring tension panel meter indicates wind-up requirements. Playback output impedances — high impedance plus 50 ohms and 5 ohms. Signal to noise better than 50 db. Normal 5" reels 15 minutes, with long play tape 22 minutes. Speed constant average 0.3%. One winding provides 5 minutes recording. Wow and flutter 0.3% rms. Weight: 11.8 lbs. Accessories: condenser microphone, polarization and filament supply unit.</p>
ELECTRONIC TEACHING LABORATORIES, INC. 1818 M St., N. W. Washington 6, D. C.	 <p>MONITOR 2-Channel Portable Model E-3 \$297.00</p>	<p>50-9,000 cycles (± 3 db) at 3 3/4"/sec.</p>	<p>Professional language laboratory recorder, dual track, unique "split" amplifier performs simultaneous playback and recording function on separate tracks, distinctive in aural/oral laboratory work. Selector switch modes for listen/record, dual playback, master record, master play, duplicate. Volume level meter, separate record/play heads with azimuth adjustment, bias 60KC, signal to noise 45 db or over at 3% harmonic distortion. Model E-3C for console mounting, all components mounted on 3/8" aluminum panel, size 19 x 11 x 5 3/8, weight 15 lbs. Special feature: multiple installations have remote control tape duplication facility.</p>
	 <p>MONITOREC 2-Channel Recorder Model E-4 \$247.00</p>	<p>as above</p>	<p>Language laboratory recorder, dual parallel tracks, a "stripped-down" version of Monitor E-3 with same characteristics except only two selector switch modes for listen/record and dual playback, and remotely controlled tape duplicates are made backwards to be on correct tape channel thereafter. Model E-4C for console mounting.</p>
	<p>Electro-Synchronizer Model E-2 \$72.00</p>	<p>as above</p>	<p>Tape recorder/projector synchronizer that permits a voice track to be made on any tape recorder in synchronization with filmstrip or slides for use with automatic projectors. Synchronizer places low frequency pulse on tape and thereafter detects playback of the signals and activates projector.</p>
EMC RECORDINGS CORP. 806 E. Seventh Street St. Paul 6, Minn.	 <p>"Communicator" Portable Playback Unit \$139.95</p>	<p>60-12,000 cycles at 7 1/2"/sec. 80-6,000 cycles at 3 3/4"/sec.</p>	<p>Portable, self contained playback unit only with single-lever tape control. Wow and flutter, 0.25% at 7.5 ips maximum; signal to noise at least 47 db at 7.5 ips, 42 db at 3.75 ips. Positive braking. Dual track head. Three stage preamplifier plus cathode follower and power output stage included in unit. Cathode follower supplies 6 volts at 3200 ohms, power amplifier supplies 3 watts at less than 4% distortion. 5" round Alnico V speaker. 7" reel maximum size. Model 100 — 7.5 ips, Model 101 — 3.75 ips.</p>
	<p>"Constellation" Stereo Playback</p> <p>Model 2000L Standard Luggage \$189.95 Model 2000S Samsonite Luggage \$199.95</p> <p>EMC Tape Handling Mechanisms Record-Playback Model 2000DR Monaural erase and record, stereo play \$99.95 Model 100DR Monaural erase, record-play \$79.95</p> <p>Playback Only Model 100 DP Monaural \$74.95 Model 2000DP In-line Stereo \$89.95</p>	<p>50-12,000 cycles (± 3 db) at 7 1/2"/sec.</p>	<p>This stereophonic playback unit reproduces in-line, two channel stereo recordings to professional standards. Tape speed 7.5 ips, wow and flutter less than 0.25%, signal to noise ratio at least 50 db; amplifier consists of two three stage preamplifiers having ganged volume and tone controls, two cathode follower outputs, one single-ended power amplifier supplying 3 watts at 4% distortion. Two speakers. Weight: 20 lbs.</p> <p>These tape handling mechanisms have wow and flutter less than 0.25%, tape speed accuracy ± 0.5%, 7 1/2"/sec speed only. May be incorporated into any high fidelity system. Suitable for mounting vertically or horizontally.</p>

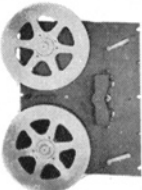



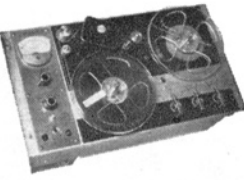
Manufacturer	Model and Price	Frequency Response	Data												
<p>EMC RECORDINGS CORP. 806 E. 7th St., St. Paul 6, Minn.</p>	<p>(Appearance similar to "Communicator" on Page 8)</p> <p>LaBelle Model 300 \$189.95</p>	<p>60-12,000 cycles at 7 1/2" /sec. 80-6,000 cycles at 3 3/4" /sec.</p>	<p>This player combines an audio track with a sensing track so that an audio-visual presentation can be made in which the sound is synchronized with the filmstrip or slide projector. The system of synchronization utilizes an independent tape track, so that no loss of fidelity is experienced in the audio. Specification same as Model 100 "Communicator."</p>												
<p>ERCONA CORP. 551 Fifth Ave., New York 17, N. Y.</p>	 <p>Ferrograph Hi-Fi Recorder</p> <table border="1"> <thead> <tr> <th>Portable</th> <th>Custom Installation</th> <th>Tape Deck</th> </tr> </thead> <tbody> <tr> <td>Model 3A/N (3 3/4-7 1/2 ips) \$379.50</td> <td>Model 66/N (3 3/4-7 1/2 ips) \$399.50</td> <td>"A" (2 heads) \$195.00</td> </tr> <tr> <td>Model 3A/NH (7 1/2-15 ips) \$425.00</td> <td>Model 66/H (7 1/2-15 ips) \$425.00</td> <td>"B" (3 heads) \$225.00</td> </tr> <tr> <td></td> <td></td> <td>"C" (stereo) \$275.00</td> </tr> </tbody> </table>	Portable	Custom Installation	Tape Deck	Model 3A/N (3 3/4-7 1/2 ips) \$379.50	Model 66/N (3 3/4-7 1/2 ips) \$399.50	"A" (2 heads) \$195.00	Model 3A/NH (7 1/2-15 ips) \$425.00	Model 66/H (7 1/2-15 ips) \$425.00	"B" (3 heads) \$225.00			"C" (stereo) \$275.00	<p>50-10,000 cycles (±2 db) at 7 1/2" /sec.</p> <p>40-15,000 cycles (±2 db) at 15" /sec.</p>	<p>Dual-speed, dual-track recorders for portable or custom installation, manufactured by British Ferrograph Recorder Co., Ltd. of London. Signal-to-noise ratio, better than 50 db, 200-12,000 cps; 45 db unweighted (including hum). Wow and flutter, less than 0.2% at 7 1/2" /sec. Longterm speed stability, better than 0.5%. Erase and bias frequency, 53,000 cps. Accommodates up to 8 1/4" reels. Two inputs, for 1 megohm and 0.1 megohm respectively. Output arrangements: 15 ohm elliptical speaker; jacks for extension speakers — 0.75 volts at 0.1 megohm for external amplifier. Output power, 2 1/2 watts into 15 ohms. Weights: Portable, 49 3/4 lb; Custom, 45 lb; Tape Deck, 18 lb.</p>
Portable	Custom Installation	Tape Deck													
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		"C" (stereo) \$275.00													
	 <p>E.M.I. Battery Portable \$395.00</p> <p>Model L2A (3 3/4 ips)</p> <p>Model L2B (7 1/2 ips)</p> <p>Model L2C (15 ips)</p>	<p>50-7,000 cycles (±2 db) at 15" /sec.</p> <p>50-5,000 cycles (±2 db) at 7 1/2" /sec.</p> <p>50-2,500 cycles (±2 db) at 3 3/4" /sec.</p>	<p>Battery-operated recorder manufactured by Electrical & Musical Industries, Ltd., of England. Accommodates 5" reels and requires no external power source. Signal-to-noise, better than 45 db unweighted, when replayed on high quality studio equipment. Wow, less than 0.2% at 15" /sec., 0.25% at 7 1/2" /sec. and 0.3% at 3 3/4" /sec. Separate recording and playback heads and amplifiers for monitoring and instantaneous playback. VU meter for recording level. Manually operated geared rewind device to conserve battery life. Operates with cover closed. Weight, 14 1/2 lb. complete.</p>												
<p>FEDERAL MANUFACTURING AND ENGINEERING CORP. 1055 Stewart Avenue, Garden City, N. Y.</p>	 <p>FME Portable Recorder Model 47 \$159.50</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, two-speed, dual track recorder. Signal-to-noise, 43 db. Flutter, less than 0.5%. Fast forward and rewind, 20-to-1 ratio. Safety lock prevents accidental erase. Instant stop lever for editing. Neon recording level indicator. Power output, 3 watts; 5 x 7 elliptical P.M. speaker. Automatic reversible index counter. Input jack for microphone or radio-phon. Output jack for monitoring while recording or external hi-fi amplifier. Includes ceramic mike and patch cord with built-in resistance network to match recorder. Weight, 27 lb.</p>												
<p>FEN-TONE CORP. 106 Fifth Ave., New York 11, N. Y.</p>	 <p>Fen-Tone Brenell Mark IV Tape Deck</p> <p>Mark IV (monaural) \$144.47</p> <p>Mark IV/B (stereo) \$182.87</p>	<p>30-15,000 cycles (±3 db) at 15" /sec.</p> <p>50-12,000 cycles (±3 db) at 7 1/2" /sec.</p> <p>50-6,500 cycles (±3 db) at 3 3/4" /sec.</p>	<p>Three-speed tape decks for monaural and stereophonic record/playback, with three-motor drive. All mount up to four heads with individual azimuth adjustment. Capstan-sleeve speed change. Dual 1/2 track operation for up to 7" reels. Two-knob control, fully interlocked. Wow and flutter, less than 0.2%. Fast forward and rewind, 45 sec. for 1200 ft. Monaural deck can be converted to stereo or sound-on-sound recording by installing additional heads. Can be used with PRO-2 amplifier.</p>												
<p>INTERNATIONAL RADIO AND ELECTRONICS CORPORATION South 17th St. & Mishawaka Rd. Elkhart, Ind.</p>	 <p>"CROWN" Professional Series</p> <p>Crown Royal \$835 less case</p>	<p>30-24,000 cycles (±2 db) at 15" /sec.</p> <p>30-15,000 cycles (±2 db) at 7 1/2" /sec.</p> <p>40-8,000 cycles (±3 db) at 3 3/4" /sec.</p>	<p>All "Crown" series models have the following specifications: wow and flutter: 0.10% at 15 ips, 0.15% at 7 1/2 ips, 0.25% at 3 3/4 ips. Signal-to-noise ratio: 55 db at 15 ips, 52 db at 7 1/2 ips, 44 db at 3 3/4 ips. Micro-Sync-Timing: 99.5% playing measured tape; 99.9% record-playback, synchronous motor; 99.75% shade pole motor. They have: electro-magnetic brakes, "micro-linear" heads, cathode follower out, straight line threading, fast forward and rewind, reel locks, three speeds, white light for playback, red light for record. All are portable.</p> <p>The Crown Royal is a complete stereo recorder which records full or half track. Four microphone inputs and two 20-watt Hi-Fi output amplifiers. Heads are in line. Takes up to 10 1/2" reels.</p>												

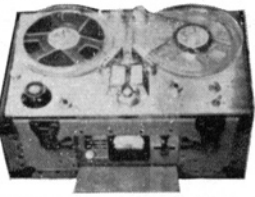
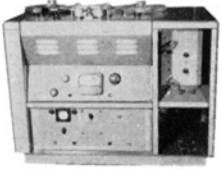




Manufacturer	Model and Price	Frequency Response	Data
INTERNATIONAL RADIO AND ELECTRONICS CORPORATION South 17th St. & Mishawaka Rd. Elkhart, Ind.	 <p>Crown-O-Matic \$495.00</p>	<p>30-15,000 cycles (± 2 db) at $7\frac{1}{2}$" /sec. 40-8,000 cycles (± 3 db) at $3\frac{3}{4}$" /sec.</p>	<p>See "Crown" specifications on page 9. Two-speed ($7\frac{1}{2}$ ips and $3\frac{3}{4}$ ips) unit for rack mounting. Has forced air cooling. Playback preamp-cathode follower output. Plays twelve hours without repeating on reels up to 14".</p>
	 <p>Crown Imperial Dual Track \$449.50 With In-Line Stereo Playback Added \$535.00</p>	<p>30-24,000 cycles (± 2 db) at 15" /sec. 30-15,000 cycles (± 2 db) at $7\frac{1}{2}$" /sec. 40-8,000 cycles (± 3 db) at $3\frac{3}{4}$" /sec.</p>	<p>See "Crown" specifications on page 9. Has 20 watt built-in amplifier. Two microphones and one phono high impedance input. 4-8-16-ohm output. Cathode follower out. Uses $10\frac{1}{2}$" records.</p>
	 <p>Crown Broadcaster \$435.00</p>	<p>as above</p>	<p>Same as Crown Imperial except that it can use only up to $7\frac{1}{2}$" reels.</p>
INTERNATIONAL SCIENTIFIC INDUSTRIES CORP. 2374 E. Hiway 24, Colorado Springs, Colo.	 <p>I.S.I. Tape Recorder for rack or portable mounting \$465.00</p>	<p>30-15,000 cycles (± 2 db) at $7\frac{1}{2}$" and 15" /sec. 30-8,000 cycles (± 2 db) at $3\frac{3}{4}$" /sec.</p>	<p>Portable, two-speed, dual-track recorder with Isimetric Drive and automatic servo control. Single-knob control for play, record, skip and rewind. Includes play and record electronics with cathode follower output, mike and line inputs with mixing controls, electronic-eye level indicator, and 3 heads with provision for adding 3 more. Two-speed hysteresis synchronous capstan motor, automatic cut-off and tape lifter. Playback noise, 55 db or more below peak output on virgin tape. Overall noise, 50 db or more below peak output. Distortion not over 1% at normal level. Playback, std. NARTB curve. Skip & rewind, less than 60 sec. for 1200 ft. Weight, under 40 lb. in portable case.</p>
	 <p>Audikon Model V-12 amplifier and mechanism for rack or console mounting \$595.00 Carrying Cases \$60.00</p>	<p>20-20,000 cycles (± 3 db) at 15" /sec. 30-15,000 cycles (± 3 db) at $7\frac{1}{2}$" /sec.</p>	<p>Two speed, dual track recorder with three-motor drive and electric push-button control via interlocked relays. Hysteresis synchronous direct-drive capstan. Separate record and playback heads permit monitoring from tape while recording. Head assembly has anti-dropout design and automatic tape lifter. Mixing inputs for 250 ohm balanced mike and 500,000 ohm unbalanced line. Cathode follower output, plus push-pull 8 watt monitor with independent loudness control; monitors at any level without affecting recording level. In-line stereo playback head with dual channel playback pre-amp circuitry allows stereo playback with any power amplifier to serve as second channel. Wow and flutter below 0.2% at $7\frac{1}{2}$ ips. Signal-to-noise ratio: 48 db at $7\frac{1}{2}$ ips, 54 db at 15 ips. Overall distortion is 1%. Rewind time is 1200 ft. in 40 seconds. Weight of mechanism is 38 lbs., amplifier is 11 lbs.</p>
MAGNECORD, INC. P. O. Box 7186 Tulsa, Okla.	 <p>Model N35-B Four Pole Motor \$299.95 Model NS35-B Hysteresis Synchronous Motor \$349.95</p>	<p>Extended range to 12,000 cycles</p>	<p>Recorder and 8 watt power amplifier in composite carrying case. Tape speeds $7\frac{1}{2}$ and $3\frac{3}{4}$ ips by capstan change. Phone jack on front panel for monitoring. High impedance microphone furnished. High and low impedance outputs for feeding external system. Printed circuit record amplifier. Interlock prevents accidental tape erasure. 6" x 9" speaker. Illuminated VU meter. Panel size $8\frac{1}{2}$" x 15". Weight: 40 lbs. Half-track heads standard.</p>
	 <p>Magnecord S36-B Recorder and Preamp. with Case \$415.00 Without Case \$385.00</p>	<p>50-15,000 cycles (± 2db) at 15" /sec. 50-10,000 cycles (± 2db) at $7\frac{1}{2}$" /sec.</p>	<p>Single unit recorder and preamplifier for rack or portable mounting. Two-speed, single-track, with capstan speed change and hysteresis synchronous motor drive. Signal-to-noise, 50 db unweighted. Flutter, 0.3%. Rewind time, 40 sec. for 1200 ft. Erase and record/playback heads. VU meter for record and playback level. Phone jack for monitoring. Microphone and unbalanced bridging inputs. 600 ohm balanced or unbalanced line output.</p>

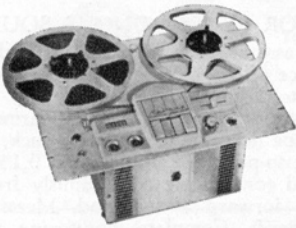
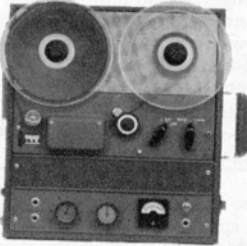
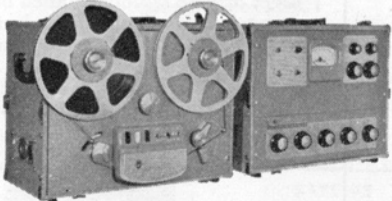
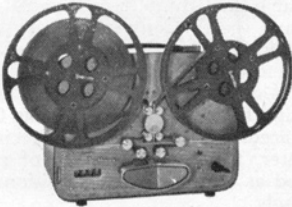
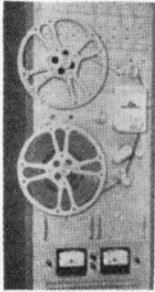
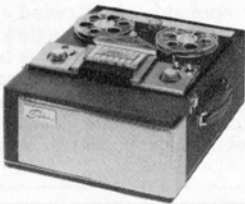

Manufacturer	Model and Price	Frequency Response	Data
MAGNECORD, INC. P. O. Box 7186 Tulsa, Okla. (Other models available)	 <p>Magnecord PT6-6A Recorder and Amplifier With Case \$405 Without Case \$375</p>	<p>50-15,000 cycles (± 2 db) at 15"/sec. 50-7,500 cycles (± 2 db) at 7 1/2"/sec.</p>	<p>Portable, two-speed, single-track recorder with speed-change switch and hysteresis synchronous drive motor. Signal-to-noise, 50 db. unweighted. Flutter: 0.3% at 15"/sec., 0.4% at 7 1/2"/sec. Rewind time, 40 sec. for 1200 ft. with automatic tape lift. Erase and record/playback heads. VU meter for bias, record and playback level. Monitoring by 5" speaker and phone jack from tape or input. 10 watt power amplifier. Microphone and unbalanced bridging inputs. 4 and 16 ohm power outputs, 600 ohm line output.</p>
	 <p>Magnecord P60 Recorder/Amp. with case \$830 without case 750 Tape Transport with case \$525 without case 485</p>	<p>40-15,000 cycles (± 2 db) at 15"/sec. 40-12,000 cycles (± 2 db) at 7 1/2"/sec.</p>	<p>Rack-mounted or portable full-track recorder with 10 1/2" reel capacity. Direct drive hysteresis synchronous motor. Push-button controls, instantaneous start and stop, fail-safe brakes and tape break control. Signal-to-noise, 55 db unweighted. Flutter; 0.2% at 15"/sec., 0.25% at 7 1/2"/sec. Rewind time, 100 sec. for 2400 ft. Timing accuracy, ± 3 sec. in 30 min. Separate erase, record and playback heads. VU meter for bias, record and playback level. Adjustable bias and high-speed cueing control. Microphone and unbalanced bridging inputs. Phone jack for monitoring from tape or input. 600 ohm unbalanced line output.</p>
	<p>Magnecord Stereophonic P60 Tape Transport with case \$635 without case 595 Amplifier with case \$305 without case 265</p>		
	 <p>Magnecord P63 Recorder/Amp. with case \$915 without case 830 Tape Transport with case \$525 without case 485</p>	<p>50-15,000 cycles (± 2 db) at 15"/sec. 50-10,000 cycles (± 2 db) at 7 1/2"/sec.</p>	<p>Tape transport mechanism similar to above, but designed for use with P63-J amplifier instead of P60-C, permitting conversion of existing equipment to new, improved performance standards. Signal-to-noise, 50 db unweighted Microphone input, 50 to 250 ohms balanced or unbalanced. Unbalanced bridge input. Monitoring by 5" speaker and phone jack from tape or input. Amplifier, 600 ohm balanced line output, 4 or 16 ohm, 10 watt speaker output.</p>
	 <p>Magnecord M90 Tape Transport with case \$995 without case 935 Amplifier with case \$390 without case 360 Recorder/Amp. with case \$1375 without case 1285 Recorder/Amp. and Console Cabinet, \$1450</p>	<p>30-15,000 cycles (± 2 db) at 15"/sec. 30-15,000 cycles (± 4 db) at 7 1/2"/sec.</p>	<p>Portable, professional-type two speed recorder/amplifier units, also available in console cabinet mounting. Electrically interlocked push-button controls. Direct-drive hysteresis synchronous motor. Separate erase, record and playback heads—interchangeable assemblies for full track, half-track or instrumentation. Instantaneous start and stop, automatic tape lift. Separate record and playback amplifiers for simultaneous monitoring from tape. High speed cueing control. Signal-to-noise, 58 db unweighted. Flutter: 0.1% at 15"/sec., 0.15% at 7 1/2"/sec. Rewind time, 55 sec. for 2400 ft. VU meter for bias, record and playback level. 50 or 250 ohm balanced or unbalanced microphone input, balanced or unbalanced bridge input. Line output, 600 ohms balanced or unbalanced.</p>
	<p>Magnecord Stereophonic M90 Record/Amplifiers with case \$2165 without case 2035 Tape Transport with case \$1455 without case 1385</p>		
	 <p>Magnecord 817DLX Long Term Record Unit \$1,814</p>	<p>50-10,000 cycles at 7 1/2"/sec. 50-5,000 cycles at 3 3/4"/sec.</p>	<p>A long term storage recorder that is completely automatic in operation. This single channel, two-speed, record/playback machine is designed to operate continuously for at least 8 hours (14" reels — 4800 feet of tape). To avoid any loss of recording information, the erase head has been eliminated. Will record and playback one track in the left to right direction, automatically reverse, record and replay the second track in the other direction. It will start and stop on voice signals.</p>
 <p>Magnecord Courier Stereo Portable Approximately \$850</p>	<p>30-15,000 cycles (± 2 db) at 15"/sec. 40-12,000 cycles (± 2 db) at 7 1/2"/sec. 40-7,500 cycles (± 2 db) at 3 3/4"/sec.</p>	<p>A new 3-speed monaural/stereo portable recorder. Direct-drive hysteresis synchronous motor. Controls are interlock-relay push button type. Signal-to-noise ratio is better than 50 db. Inputs: two microphone, one auxiliary (tuner, phono, tape, etc.). Outputs: cathode followers, to be loaded with not less than 20,000 ohms. Tape break automatic shut-off. Takes 7" or 10 1/2" reel.</p>	





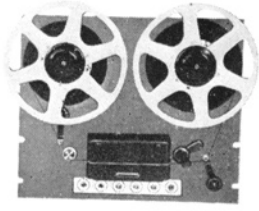

Manufacturer	Model and Price	Frequency Response	Data
MAGNETIC RECORDING INDUSTRIES 11 E. 16th St. New York 3, N. Y.	 <p>Synchronetone Dual Model ML-63 \$375</p>	<p>to 10,000 cycles at 7 1/2"/sec.</p>	<p>Two independent channels, each with independent recording-playback facility; simultaneous recording on channel 1 and playback of channel 2; simultaneous playback of channel 1 and channel 2; facilities for listening optionally to channel 1 or channel 2 or to both channels; split-a-word control for instantaneous stop and start of tape without slurring. Record safety interlock. Loud-speaker or headphone listening; two speeds (3 3/4 and 7 1/2 inches per second); single operation of record, listen, fast forward, rewind and stop. Weight: 33 lb.</p>
	 <p>Synchro-Magneticon Dual Model ML-65 \$225 in portable case \$245.50</p>	<p>to 7,500 cycles at 3 3/4"/sec.</p>	<p>Two separate channels permitting simultaneous recording on channel 1 and playback of channel 2; simultaneous playback of channel 1 and channel 2; 3 3/4" per second speed; single control operation for record, listen, fast forward, fast reverse and stop. Fully automatic operation eliminates external record-listen control. Record safety interlock. Weight: 19 lbs. in portable case.</p>
	<p>Synchro-Magneticon Dual Tape-Disc Recorder-Reproducer Model ML-66, \$275 (in portable case, \$295)</p>	<p>to 8,000 (tape) to 5,000 (disc)</p>	<p>Educational language recorder using standard tape and pre-grooved, reusable magnetic discs. Instant stop-start without slurring. Remote control of magnetic disc. Tape speeds 3 3/4" or 7 1/2". Weight: 22 lbs.</p>
	 <p>Voice-Master Magnetic Disc Recorders</p> <p>Voice-Master Streamliner \$195 Voice-Master Challenger 295 Voice-Master Companion 229 Voice-Master Ordertaker 155</p>	<p>100-5,000 cps 100-5,000 cps 100-7,000 cps 100-4,500 cps</p>	<p>Fully automatic magnetic disc dictating and transcribing machine, recording on pre-grooved, reusable and foldable magnetic discs. Features include semi-automatic or fully automatic controls, automatic error correction, direct disc indexing, instant stop-start, and syllable controlled back-spacing (from mike or foot control). No record-listen switch. Weight: 8 or 10 lbs.</p> <p>Semi-automatic dictating-transcribing unit Fully automatic dictating-transcribing unit Fully automatic transcribing unit Telephone recording unit</p>
	<p>Magneticon Examiner Model ML-45 \$295</p>	<p>100-8,000 cycles for "live" voice 100-5,000 cycles from magnetic discs</p>	<p>Dual disc unit with two turntables — one for the "master," the other for the student's recording. Student can listen to master disc, hear his own voice simultaneously as he speaks into the microphone. A basic language laboratory unit.</p>
MOHAWK BUSINESS MACHINES CORP. 944 Halsey Street Brooklyn 33, N. Y.	 <p>Mohawk "Midgetape" Battery Operated Portable \$249.50</p>	<p>200-5,000 cycles (± 5 db) at 1 7/8"/sec.</p>	<p>Portable, dual-track recorder. Self-contained battery power supply. Battery life 45 hours. Battery life indicator light. Cartridge-loaded (1/2 hour to a side). Rewind, manual, two minutes for 1/2 hour recording. 3 controls: On-Off, Play-Record, and Volume. Wow and flutter, less than 0.7%. Signal-to-noise ratio, 42 db. One microphone input, high impedance (1 mv min.). Output for earphone or external amplifier. Tape, 1/4", "Mylar" base. Supplied with microphone, earphone, batteries, and tape. Accessories available. Size: 8 1/2" x 3 3/8" x 1 7/8". Weight: 3 lb.</p>
	 <p>Mohawk Message Repeater Record-Playback Unit \$159.50 Playback Unit \$99.50</p>	<p>200-5,500 cycles (± 1 1/2 db) at 3 3/4"/sec.</p>	<p>Midget, recorder/playback unit with continuous-loop tape cartridges of from 15 to 240 seconds capacity. Repeats message continuously or intermittently by external switch control. No rewinding necessary. Neon bulb recording level indicator. Built-in 5" speaker. Output, 1.2 watts. Plug-in sockets for microphone, external start, external amplifier or speaker. Overall size, 6 1/2" x 5 3/4" x 5 1/2". Weight: 5 3/4 lb.</p>
NORTH AMERICAN PHILIPS CO., INC. 230 Duffy Ave. Hicksville, N. Y.	 <p>Norelco "Continental" Portable Recorder Model EL 3516 \$269.50</p>	<p>40-16,000 cycles at 7 1/2"/sec. 50-8,000 cycles at 3 3/4"/sec. 60-4,500 cycles at 1 7/8"/sec.</p>	<p>Three-speed, dual track, push-button controlled portable recorder. Has "magic eye" volume indicator, piano-key controls. Head has air gap of only 0.0002". Contains 5" twin-cone speaker. Inputs: one radio/phone, one microphone. Outputs: one external speaker, one external amplifier. Signal-to-noise ratio is 54 db. Wow and flutter is 0.2% at 7 1/2 ips, 0.3% at 3 3/4 ips, 0.35% at 1 7/8 ips. Fast forward and reverse: less than 2 minutes for 1,200 feet. Automatic stop at end of reel with metalized tape. Dimensions: 16" x 13" x 8". Weight: 30 lbs.</p>
THE PENTRON CORPORATION 777 South Tripp Avenue, Chicago 24, Ill.	 <p>Pentron "Clipper" Model RWN \$99.95</p>	<p>50-9,000 cycles at 7 1/2"/sec. 50-5,000 cycles at 3 3/4"/sec.</p>	<p>Portable two speed, dual-track recorder with Monomatic single slide-knob control for tape speed, Record, Play, Fast Forward and Rewind. Signal-to-noise, 42 db. Flutter, under 0.5% at 7 1/2"/sec. Power output, 4 watts. Neon bulb recording level indicator. Inputs for microphone and radio-phonograph. Outputs for auxiliary speaker and amplifier. Microphone included. Also available with single track heads. Weight, 23 lb.</p>

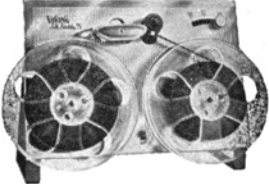
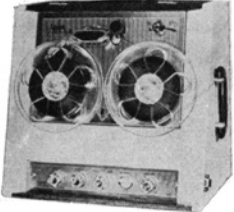
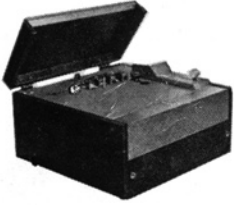


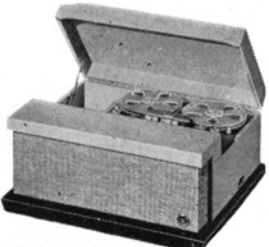
Manufacturer	Model and Price	Frequency Response	Data
<p>THE PENTRON CORPORATION 777 South Tripp Avenue, Chicago 24, Ill.</p>	 <p>Concerto Model PT-1 \$149.95 Model PT-15 Stereo \$189.95</p>	<p>40-11,000 cycles at 7½"/sec. 40-7,000 cycles at 3¾"/sec.</p>	<p>New two-speed portable recorder. Features "Unimagic" single-lever control for Play, Record, Fast Forward, Fast Rewind. Removable head pole piece allows quick change from half to full track. Interlock record button prevents accidental recording or erasure. Has 6" speaker built in. Signal-to-noise ratio is 45 db. Fast Forward winds 7" reel in 75 seconds. Wow and flutter is under 0.4% at 7½ ips. Four-pole motor. Inputs: 1 for microphone or magnetic phonograph cartridge, 1 for radio, TV, crystal and ceramic phone cartridge. Outputs: 1 for external amplifier or head phone monitoring, 1 for external speaker. Weight: 25 lbs.</p>
	 <p>Virtuoso Model PT-72 \$199.95 Model PT-72S Stereo \$239.95</p>	<p>40-13,000 cycles at 7½"/sec. 40-7,000 cycles at 3¾"/sec.</p>	<p>Features a dual extended range speaker system with cross-over network: one 6" round PM woofer, 1 exponential 4" tweeter with solid basket. New two speed portable recorder. Has "Unimagic" single-lever control for Play, Record, Fast Forward, Fast Rewind. Head has removable pole piece. Amplifier output is 5 watts. Automatic digital index counter with manual reset. Automatic braking; magic eye record level indicator. Signal-to-noise ratio is 48 db. Wow and flutter is under 0.4% at 7½ ips. Inputs: 1 for microphone or magnetic phonograph cartridge, 1 for radio, TV, crystal and ceramic phone cartridge. Outputs: 1 for external amplifier or head phone monitoring, 1 for external speaker. Weight: 29 lbs.</p>
	 <p>Viceroy Model PT-74 \$269.95 Model PT-74S Stereo \$309.95</p>	<p>40-15,000 cycles at 7½"/sec. 40-7,500 cycles at 3¾"/sec.</p>	<p>A four-speaker, dual speed portable tape recorder. Contains two 6" round PM woofers; one 6" round mid-range; one exponential tweeter with solid basket. Double LC crossover networks with cutoffs at 600 cycles and 2000 cycles. Has 10-watt push-pull amplifier and illuminated VU meter. Signal-to-noise ratio is 50 db. Wow and flutter is under 0.4% at 7½ ips. "Unimagic" single lever control for Play, Record, Fast Forward, Fast Rewind. Head has removable pole piece. Built-in automatic shut-off switch at end of reel. Two high impedance inputs; one high impedance and one low impedance output. Weight is 35 lbs.</p>
	 <p>Virtuoso, Sr. Model PT-W3 \$325.00 Model PT-W3S Stereo \$365.00</p>	<p>40-12,000 cycles at 7½"/sec. 40-6,000 cycles at 3¾"/sec.</p>	<p>A dual speed, three-speaker consolette with separate speaker containing 10-watt push-pull amplifier. Cabinet contains two 6" woofers; speaker has one 4" tweeter. "Unimagic" single lever control for Play or Record, Fast Forward and Rewind, with separate interlocking record switch. Illuminated VU meter; heads have removable pole pieces. Signal-to-noise ratio is 50 db. Wow and flutter is less than 0.3% at 7½ ips. Outputs: 1 speaker, 1 amplifier. Inputs: 1 microphone, 1 radio. Automatic braking; automatic index counter; automatic pilot light.</p>
<p>PREMIER ELECTRONIC LABORATORIES 382 Lafayette St. New York 3, N. Y.</p>	 <p>"Tapesonic" Model 70-C \$398.75 Stereophonic Model 70-C B.L. \$446.75</p>	<p>30-18,000 cycles (±3 db) at 15"/sec. 30-15,000 cycles (±3 db) at 7½"/sec. 30-7,500 cycles (±3 db) at 3¾"/sec.</p>	<p>Portable professional type three-speed dual track recorder. Three motors, including hysteresis synchronous drive motor. 4½" VU meter. Push button operation using seven relays and one solenoid. Three separate heads, permitting instantaneous monitoring from tape while recording. A.B. switch permits comparison between original and recorded program. Flutter and wow 0.1%. Mixing channels for mike, radio or phono inputs. Full protection against accidental erase. Bass and treble controls with flat response setting. Fast forward and rewind, less than one minute for 2400 ft. Electro-dynamic brake action and tape tension, never requires adjustment. D.C. on preamp heaters. Push-pull 16 watts audio output. Also available with stereo in-line head playback including dual track record and playback.</p>
<p>PRESTO RECORDING CORPORATION P. O. Box 500, Paramus, New Jersey</p>	 <p>Presto Model 700 Price on request Model 800 Price on request</p>	<p>40-15,000 cycles (±2 db) at 15"/sec. 50-10,000 cycles (±2 db) at 7½"/sec. 30-15,000 cycles (±2 db) at 15"/sec. 50-12,000 cycles (±2 db) at 7½"/sec.</p>	<p>New professional type tape recorder featuring sweep loading, automatic type lift, automatic reproduce head shield, new type editing function, new type cueing function, four heads (stereo playback), and new type solenoid brakes. Has a direct-drive hysteresis synchronous capstan motor and two torque motors. Other features include two high impedance inputs, separate record and playback pre-amplifiers, illuminated VU meter, separate monitor phone jack. Wow and flutter is 0.2% at 15 ips. Signal-to-noise ratio is 55 db at 0.2% distortion. Distortion is less than 1.0% at full output. Stereo is optional. Takes 10½-inch reels.</p> <p>Has completely relay-equipped controls and electronics incorporating separate power supply and balanced low impedance input and output. Wow and flutter is 0.15% at 15 ips. Signal-to-noise ratio is 60 db at 1.0% distortion. Distortion is 1.0% at plus 20 dbm output from 30-15,000 cycles. Otherwise same as above.</p>

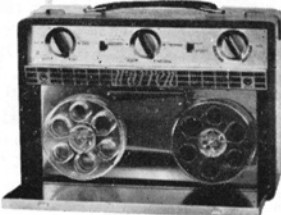
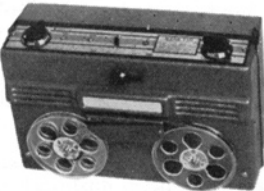



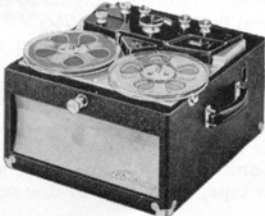
Manufacturer	Model and Price	Frequency Response	Data
PRESTO RECORDING CORPORATION P. O. Box 500 Paramus, New Jersey	 <p>Model PB-17B Tape Reproducing Mechanism \$785.50</p> <p>Model A-520 Pre-amplifier \$132.00</p>	<p>50-8,000 cycles at 3 3/4" /sec.</p>	<p>Dual-track reproducing mechanism with 3 3/4" 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. Fast forward and fast rewind. Signal-to-noise, 55 db. Flutter 0.35% at 3 3/4" speed. Silence sensing switch and timing accessories available soon.</p>
	<p>Continuous Tape Reproducing Console \$1,118.75</p>	<p>A-520 Pre-amplifier in vertical console cabinet</p>	<p>Long-playing tape reproducing unit consisting of PB-17B tape transport mechanism. Dynamic range, 45 db.</p>
RADIO CORPORATION OF AMERICA RCA Victor Division Camden 2, N. J.	 <p>The Congressional Model 7TR2 \$159.95</p>	<p>90-8,000 cycles at 7 1/2" /sec.</p>	<p>Portable, two-speed, dual-track recorders with push-button control. Normal and overload neon recording level indicators. Ceramic microphone with 7-ft. cable fits into storage well. Take up to 7" reels. Rewind time, 2 min. for 1200 ft. Inputs for microphone and radio-phonograph. Model 7TR2 has 5" x 7" speaker. Model 7TR3 has Panoramic Speaker System — one 6 1/2" and two 3 1/2" speakers. Also window counter, voice-music switch, remote control unit and provision for plugging in external speaker.</p>
	<p>The Judicial Model 7TR3 \$199.95</p>	<p>70-12,000 cycles at 7 1/2" /sec.</p>	<p>Consists of Model 7TR3 recorder chassis mounted in console type wooden cabinet with Panoramic Speaker System — one 8" speaker and two 3 1/2" speakers.</p>
	<p>The Legislator Model 7TRC1 Mahogany Veneer \$279.95 Oak Veneer \$289.95</p>	<p>60-12,000 cycles at 7 1/2" /sec.</p>	<p>New push-button controlled portable. Two speeds: 7 1/2 and 3 3/4 ips. Input for radio-phonograph. Neon lights for recording level. Speaker is 5" x 7". Ceramic microphone. Pilot light indicates when recorder is on. Power output is 2.5 watts undistorted. Dimensions: 9 5/16" x 18 1/16" x 14 11/16". Rewind time for 7" reel is 2 minutes. Available in charcoal and tan-and-brown cases.</p>
	 <p>The Senator Model 8TR2 \$179.95</p>	<p>90-8,000 cycles at 7 1/2" /sec.</p>	<p>New portable recorder. One 6 1/2" speaker for low and mid-range frequencies, two 3 1/2" speakers for high frequencies. Window counter indicates location of any particular recording on a recorded tape. Auxiliary speaker jack can also be used as earphone jack. Available in gray and green cases. Dimensions: 9 11/16" x 17 11/16" x 14 3/4". Otherwise same as above.</p>
	<p>The Diplomat Model 8TR3 \$219.95</p>	<p>70-12,000 cycles at 7 1/2" /sec.</p>	<p>Stereophonic tape playback units in portable and console models. Will record single track and play both single-track and dual-track tapes. Portable stereophonic tape playback unit. Plays both single-track and dual-track tapes. Two matched cases — one with tape mechanism and left channel speaker system, the other with right channel speaker system. Tape player has in-line (stacked) heads, and push-button controls for fast forward, rewind, stop and two play buttons—one for stereo and one for conventional tapes. Two-channel amplifier provides 2 1/2-watt output for each channel. Each speaker system consists of one 6 1/2" speaker for low and mid-range frequencies and two 3 1/2" "tweeters."</p>
 <p>"Victrola" Stereotape Players</p> <p>Portable Model STR88 \$345</p>	<p>70-15,000 cycles at 7 1/2" /sec.</p>	<p>Two matching console units; each contains speaker system with one 8" speaker for low and mid-range frequencies and two 3 1/2" speakers for high frequencies. Price at left for mahogany model; other models in oak, maple, walnut and black mink cost \$15 more. Otherwise same as above.</p>	
<p>Console Model STR66 \$435</p>	<p>60-15,000 cycles at 7 1/2" /sec.</p>	<p>Contains stereo tape player and speaker system in a single console cabinet. Speaker system has two 12" speakers for entire range, and two 3 1/2" "tweeters" for high frequencies. Can function with another speaker system to play stereo tapes. Otherwise same as STR 88.</p>	
 <p>Orthophonic Intermatched High-Fidelity Recorder-Reproducer Chassis Type SRT-2 \$490.00</p>	<p>Playback from standard tape</p> <p>30-15,000 cycles (±3 db)</p> <p>40-12,000 cycles (±2 db)</p> <p>Record and playback</p> <p>40-12,000 cycles (±3 db)</p>	<p>Semi-professional type recorder/reproducer chassis with direct synchronous motor tape drive. Recording speeds of 7 1/2" and 3 3/4"/sec., by selector switch. Electro-dynamic tape tension and braking. Signal-to-noise, better than 50 db with less than 3% distortion. Flutter and wow, less than 0.2%. Fast forward and rewind, 45 sec. for 1200 ft., with automatic tape lift. VU meter for recording level. Transistor record and playback amplifier with printed wiring. High impedance bridging input and low impedance microphone input. Outputs, 0.6 v into 10,000 ohms or more and high impedance monitoring jack. Can be mounted horizontally or vertically. Dimensions: 10 1/2" x 19" x 8 1/2". Weight, 35 lbs.</p>	






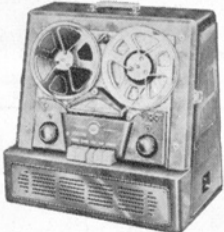
Manufacturer	Model and Price	Frequency Response	Data
RANGERTONE INC. 73 Winthrop St. Newark 4, N. J.	 <p>"Rangerette" Portable Model A-2 \$1,500.00 complete</p>	<p>45-15,000 cycles (± 2 db) at 15"/sec.</p> <p>50-8,000 cycles (± 2 db) at 7 1/2"/sec.</p>	<p>FOR SYNCHRONOUS SOUND RECORDING</p> <p>Professional-type, 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>Console Model R-5C with synchronizer (Price on Request)</p>		
REED RESEARCH INC. 1048 Potomac St., N.W. Washington, D. C.	 <p>Transcriber Model K-3 \$1,100</p>	<p>depends on tape speed</p>	<p>A new concept in magnetic tape transcribing equipment. Tape speed is continuously variable between two tenths and thirty ips. Can playback any 1/4" magnetic tape recorded on American or European tape recorders. Passages may be rapidly scanned or slowed down by flicking a switch which doubles or halves the selected speed. Automatic back-spacing. Single channel, in-line or staggered binaural tapes can be played. Foot pedal control for stopping, starting and rewinding tape. Signal-to-noise ratio is better than 40 db. Wow and flutter is less than 0.5%. Weight, 46 lbs. Dimensions: 14" x 19" x 5 1/4".</p>
REVERE CAMERA COMPANY 230 East 21st St. Chicago 16, Ill.	 <p>Model T-700D \$225.00 Model TR-800D \$275.00</p>	<p>40-14,500 cycles (± 3 db) at 7 1/2"/sec.</p> <p>40-7,500 cycles (± 3 db) at 3 3/4"/sec.</p>	<p>Portable dual track recorder available with either single or dual speed. Convenient keyboard control, electrical solenoid operated. Signal-to-noise ratio over 48 db on dual speed machines and 50 db on single. Distortion less than 0.65% on normal levels. Rewind and fast forward speed, 170 ips. Flutter and wow less than 0.3%. Two neon lamps for accurate level setting. Precision revolution index counter, for instant location of recording. Can be operated as a PA system. Provisions for electrical remote controls.</p> <p>Models TR-800D, TR-800 and TR-20 have built-in AM tuner.</p> <p>Table models (as above) in solid blonde oak or solid Honduras mahogany. Special pressure relief port for extended frequency range.</p>
	<p>Model T-700 \$235.00 Model TR-800 \$287.50</p>	<p>80-8,000 cycles (± 3 db) at 3 3/4"/sec.</p>	
	<p>Model T-10 \$245.00 Model TR-20 \$297.50</p>	<p>60-15,000 cycles (± 3 db) at 7 1/2"/sec.</p>	
	<p>Model T-700 B&M \$245.00 Model TR-800 B&M (with radio) \$297.50 Model T-10 B&M \$255.00 Model TR-20 B&M (with radio) \$307.50</p>	<p>as above</p>	
	<p>Model T-1100 \$169.50 Model TR-1200 (with radio) \$219.50</p>	<p>85-7,000 cycles (± 3 db) at 3 3/4"/sec.</p> <p>75-12,000 cycles (± 3 db) at 7 1/2"/sec.</p>	<p>Portable dual track recorder available with either single (3 3/4 ips.) or dual (3 3/4-7 1/2 ips.) speed. Signal-to-noise ratio over 48 db on either machine. Distortion less than 1% at normal levels. Rewind and fast forward, 170 ips. 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. Two speakers. Can be operated as a public address system. Weight, 28 lb.</p>
	<p>Model T-900 \$199.50 Model TR-1000 (with radio) \$224.50</p>	<p>85-7,500 cycles (± 3 db) at 3 3/4"/sec.</p>	
	<p>Model T-100 \$169.50 Model TR-200 (with radio) \$224.50</p>	<p>85-7,500 cycles (± 3 db) at 3 3/4"/sec.</p>	<p>Portable, dual-track recorder available in either 1 7/8 or 3 3/4 ips. tape speed. Signal-to-noise ratio, over 45 db at either speed. Distortion, less than 1.5%. Rewind and rapid forward: single knob control. Flutter less than 0.3%. Two level recording indicator. 5" x 7" Alnico V speaker. Weight, 25 lb.</p>
	<p>Model T-500 \$179.50 Model TR-600 (with radio) \$234.50</p>	<p>100-5,000 cycles (± 3 db) at 1 7/8"/sec.</p>	


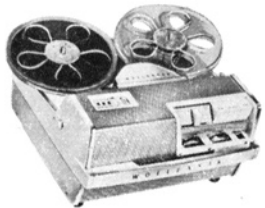
Manufacturer	Model and Price	Frequency Response	Data
REVERE CAMERA COMPANY 230 East 21st St. Chicago 16, Ill.	 <p style="text-align: right;">Model T-11 \$284.50</p>	<p style="text-align: center;">40-16,000 cycles (± 3 db) at $7\frac{1}{2}$" / sec.</p>	<p>High fidelity $10\frac{1}{2}$" reel tape recorder for professional use and custom installations. Guaranteed specifications: signal-to-noise, over 50 db, wow and flutter less than 0.2%. Features: One volt cathode follower pre-amplifier output. Monitor amplifier with $2\frac{1}{2}$ watt output. Adjustable 70Kc bias-erase oscillator with indicator. Less than $\frac{1}{2}$ second start and stop. Automatic head demagnetizing. Precision revolution tape counter. Electrical remote with automatic drive roller release.</p>
ROBERTS ELECTRONICS, INC. 1028 N. LaBrea Avenue Hollywood 38, Calif.	 <p style="text-align: right;">Roberts Model 90 Recorder \$229.50</p>	<p style="text-align: center;">50-15,000 cycles (± 2 db) at $7\frac{1}{2}$" / sec.</p> <p style="text-align: center;">50-8,000 cycles (± 2 db) at $3\frac{3}{4}$" / sec.</p>	<p>Portable two-speed recorder with hysteresis synchronous one-motor drive. Wow and flutter, 0.15%. Signal-to-noise ratio, 45 db. Wrap-around tape threading, illuminated VU meter, low and high level inputs. External output jack. Five-watt amplifier and $5" \times 7"$ extended range speaker. Weight, 28 lb.</p>
	<p style="text-align: center;">Model R-5 \$1,575.00</p> 	<p style="text-align: center;">50-15,000 cycles (± 1 db) at $15"$ / sec.</p>	<p>Portable, professional-type, single-track recorder with tape speeds of $7\frac{1}{2}$ and $15"$ (or $3\frac{3}{4}$ and $7\frac{1}{2}"$) per sec. Signal-to-noise ratio, over 60 db. Separate record and playback heads and amplifiers with independent monitor amplifier and speaker.</p>
THE STANCIL-HOFFMAN CORP. 921 North Highland Ave., Hollywood 38, Calif.	 <p style="text-align: right;">Model S6 Synchronous Magnetic Film Recorder \$1,500.00</p>	<p style="text-align: center;">45-10,000 cycles (± 2 db)</p> <p style="text-align: center;">16mm and 17.5mm film</p>	<p>Synchronous magnetic film equipment for motion picture and TV sound recording. Designed for 24 volt battery operation, 110 volt single phase or 220 volt 3 phase. The equipment is very lightweight and housed in small lightweight cases for easy portability.</p> <p>Signal-to-noise: at least 55 db.</p> <p>Maximum harmonic distortion: 1.5% from full level.</p> <p>Film capacity: 1000 feet.</p>
	 <p style="text-align: right;">Model CRM-15 Multi-Channel Communications Recorder (Prices on Request)</p>	<p style="text-align: center;">200-7,500 cycles (± 3 db) at $7\frac{1}{2}$" / sec.</p> <p style="text-align: center;">200-3,500 cycles (± 3 db) at $3\frac{3}{4}$" / sec.</p>	<p>Provides up to 15 simultaneous recording channels on 0.7" wide tape. Recording time, up to $4\frac{1}{2}$ 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.</p>
SYMPHONIC RADIO & ELECTRONIC CORP. 235 Jersey Ave. New Brunswick, N. J.	 <p style="text-align: right;">Symphonic Model 210 \$149.95</p>	<p style="text-align: center;">80-12,000 cycles at at $7\frac{1}{2}$" / sec.</p>	<p>Portable dual-track recorder, $3\frac{3}{4}$" and $7\frac{1}{2}"$ / sec., with push-button control, "normal" and "distort" recording level indicator and index timer. Wow and flutter, less than 0.4% RMS. Power output, 3 watts undistorted, 5 watts peak. Two speakers — $5" \times 7"$ woofer and $3.5"$ tweeter. Inputs for microphone and radio-phono. Outputs for external speaker and external amplifier. Can be used as public address system. Includes crystal mike. Weight, 35 lb.</p>
	 <p style="text-align: right;">Symphonic Model R-1200 (Monaural) \$188.00</p> <p style="text-align: right;">Model BR-1200 (Binaural) \$208.00</p>	<p style="text-align: center;">40-12,000 cycles at at $7\frac{1}{2}"$ / sec.</p>	<p>Model R-1200. Portable monaural recorder with features similar to Model 210 except with greater output — 5 watts undistorted, 7 watts peak. Pause button for silent momentary stops.</p> <p>Model BR-1200, same as R-1200 except equipped with binaural adaptor for playback of stereophonic tapes when used with 1 or 2 external speaker system or radio or TV.</p>

Manufacturer	Model and Price	Frequency Response	Data
<p>SYMPHONIC RADIO & ELECTRONIC CORP.</p> <p>235 Jersey Ave. New Brunswick, N. J.</p>	 <p>Symphonic Model 330 \$249.95</p> <p>Model 340 \$419.95</p>	<p>40-12,000 cycles at 7 1/2" /sec.</p>	<p>Model 330 — Two-speed dual-track recorder equipped for stereo playback (similar to Model R-1200) mounted in furniture-finished table top console, containing 3-speaker system — two 6" woofers and one 3 1/2" tweeter. Brass legs optional.</p> <p>Model 340 — Complete combination home music system consisting of phonograph and stereophonic tape playback, each of which can be played separately through the amplifier of the instrument with either disc or tape. Matched furniture-finished cabinets on brass legs.</p>
<p>TANDBERG</p> <p>10 E. 52nd St. New York, N. Y.</p>	 <p>Tandberg Model 2 \$249.50</p> <p>Model 3 \$299.50</p>	<p>50-8,000 cycles (±2 db) at 3 3/4" /sec.</p> <p>30-16,000 cycles (±2 db) at 7 1/2" /sec.</p>	<p>Model 2 — Portable, dual-track recorder with speeds of 1 7/8" and 3 3/4" /sec. Wow and flutter, below 0.2% at 3 3/4" /sec., below 0.25% at 1 7/8" /sec. Signal-to-noise, 57 db at 3 3/4" /sec. Metal shielded heads. Two watts output at 1,000 cycles with less than 1% distortion; 3.3 watts at less than 5% distortion. Inputs for microphone, radio-phonograph. Electronic eye recording level indicator and clock-type counter includes 5" x 7" speaker and crystal mike.</p> <p>Model 3 — Same as Model 2 except 3 tape speeds (1 7/8", 3 3/4" and 7 1/2") and improved performance. Wow and flutter, below 0.1% at 7 1/2" /sec. Signal-to-noise, 60 db at 7 1/2" /sec.</p>
<p>TELECTRO INDUSTRIES CORP.</p> <p>35-16 37th St. Long Island City, N. Y.</p>	 <p>Telectro Model 1960 \$79.95</p>	<p>Flat to about 8,500 cycles at 7 1/2" /sec.</p>	<p>Portable, dual track recorder with 3 3/4" and 7 1/2" tape speeds. Push-button speed control and single knob control for record and playback. Neon record-level indicator. Built-in 6" speaker. Patch cord available for direct recording from radio-phonograph. Weight, 15 lb.</p>
<p>TELECTRO INDUSTRIES CORP.</p> <p>35-16 37th St. Long Island City, N. Y.</p>	 <p>Telectro Model 938 Price on Request</p>	<p>30-10,000 cycles (±2 db) at 7 1/2" /sec.</p>	<p>Professional-type recorder for portable or rack mounting. Also available in console cabinet. Plug-in head assembly — single or dual track. Two speeds — 7 1/2" /sec. and 15" /sec. Wow and flutter, less than 0.2% at 7 1/2" /sec., less than 0.15% at 15" /sec. Distortion, less than 0.2% RMS at maximum recording level. Signal-to-noise, over 55 db at both speeds. VU meter reads playback, record, bias and erase current. Adjustable bias. Microphone, bridge and line inputs. Output, 600 ohms balanced; monitor jacks for power amplifier and headset. Fast forward and rewind, less than 1 min. Playback timing accuracy, better than 0.2%.</p>
<p>TELECTRO INDUSTRIES CORP.</p> <p>35-16 37th St. Long Island City, N. Y.</p>	 <p>Telectro 14" Tape Transport Price on Request</p>	<p>30-15,000 cycles (±2 db) at 7 1/2" /sec.</p>	<p>Professional tape transport for rack or portable-case mounting. Constant-speed hysteresis synchronous motor drive, with torque motors for supply and take-up reels. Speeds, 7 1/2" and 15" /sec. Starting time, less than 0.1 sec. Stopping time, less than 2" at 15" /sec. Timing accuracy, better than 0.2%. Fast forward and rewind, less than 1 min. for 14" reel. Wow and flutter, less than 0.15% at 15" /sec. Plug-in head assembly — 3 heads single or dual track. Push-button relay operation, editing knobs, automatic shut-off. Solenoid brakes.</p>
<p>TRUVOX LTD.</p> <p>U. S. Agents, U. K. Cummings Co. P. O. Box 646, Livermore, Calif.</p>	 <p>Truvox Mark 4 Tape Deck TR-2106 \$113.00</p> <p>TR-2116 \$124.50</p> <p>TR-2116S \$139.80</p> <p>"R-1" Portable Recorder RE-6 \$268.00 RE-16 279.50 RE-16S 294.80</p> <p>Type "C" Record-Playback Amplifier Model TA-6 \$69.50</p>	<p>50-12,000 cycles (±3 db) at 7 1/2" /sec.</p> <p>70-10,000 cycles</p>	<p>Mark 4 Tape Decks. TR-2106 with timing scale. TR-2116 with index counter. TR-2116S with counter and stereo head. Semi-professional, dual-speed, dual track (or inline stereo). Transport mechanism. Made in England by Truvox, Ltd. Wow and flutter 0.2%. Three shaded-pole motors, push-button operation with dynamic braking. Resettable revolution counter. Tape lifter and pressure pads. Fast rewind, 45 sec. for 1200 ft. reel. Capstan speed change on front of deck. Weight, 14 lb.</p> <p>"R-1" Portable Recorders — incorporate Mark 4 Tape Decks and amplifier in portable case. Stereo Model RE-16S is monaural record-playback and stereo playback, with 1 channel to built-in amplifier, other to phone plug cord for external amplifier. Signal-to-noise, over 45 db. Magic eye volume indicator. Output, 6 watts. Inputs for mike and tuner. Outputs for external amplifier and speaker. Built-in 10" x 6" speaker. Weight, 37 lb.</p>

Manufacturer	Model and Price	Frequency Response	Data
VIKING OF MINNEAPOLIS 9600 Aldrich Ave. So., Minneapolis 20, Minn.	 <p>Viking 75 Series Tape Decks</p> <p>FF75 Monaural Playback \$66.00 FF75-LP Monaural Playback 71.50 FF75R-LP Monaural Record/Playback 78.50 FF75RM-LP Monaural Record-Monitor-Playback 87.00 FF75B 2-Channel, Half-Track Heads, staggered (special order only) 80.50 FF755 Stereo Playback 99.00 FF75SU Universal Stereo Playback (in-line & staggered heads) 106.00 FF75SR Stereo (in line head) plus Monaural Erase-Record 113.00</p>	<p>40-7,000 cycles at 3 3/4" /sec.</p> <p>30-14,000 cycles (±2 db) at 7 1/2" /sec.</p>	<p>Tape Playback and Record-Playback units for custom installation in hi-fi systems. Tape speed, 7 1/2" /sec., with belt change for 3 3/4" /sec. Signal-to-noise, 55 db or more. Flutter, 0.2% or less. Maximum reel size, 7". Total harmonic distortion, less than 1.0% with NARTB compensated preamplifier and NARTB recorded tape. Also available with tapelifter and pressure pad. Weight, basic unit, 8 lb.</p> <p>Viking PB60 playback preamplifier — \$29.50. Viking RP61 record-playback preamplifier — \$77.50. Matched Viking RP61-S Stereophonic "Slave" Record-Playback Preamplifier — \$77.50. D390A Portable Carrying Case for any FF75 Series Deck and one or two PB60's. Weight of case and FF75 deck lb. Case only, \$21.50.</p>
	 <p>Viking Pro Recorder \$179.50</p> <p>Stereo-Pro Recorder \$299.00</p>	<p>30-12,000 cycles (±2 db) at 7 1/2" /sec.</p>	<p>Pro Recorder — Consists of FF75R tape deck and RP61 record/playback preamplifier in D396 portable case. Complete portable monaural, dual-track recorder/playback unit. Weight, 25 lb.</p> <p>Stereo-Pro Recorder — Complete portable stereophonic recording unit, consisting of one stereo tape deck, RP61 record playback preamplifier and RP61S stereo record/playback amplifier in a portable case.</p>
	 <p>Viking Endless Play Cartridge Recorder</p> <p>35P \$45.00 35R 52.00 35RM 61.00 35S 70.00 35SR 85.00</p> <p>Case — \$15.00 additional</p>	<p>40-7,000 cycles at 3 3/4" /sec.</p> <p>40-14,000 cycles at 7 1/2" /sec.</p>	<p>Portable, two-speed tape transport designed for Fidelipac Continuous Loop Tape Cartridge. Suitable for use with standard Viking recording and playback preamplifiers. 35P, monaural playback unit, dual track. 35R, monaural erase-record unit. 35RM, monaural erase-record and simultaneous monitor unit. 35S, in-line stereo for playback of stereo tapes. 35SR, monaural erase-record, stereo record and/or stereo playback.</p>
V-M CORPORATION Benton Harbor, Michigan	 <p>"Tape-O-Matic" Portable Model 710A \$189.95</p>	<p>40-15,000 cycles (±5 db) at 7 1/2" /sec.</p>	<p>Portable, dual-track recorder with 3 3/4" and 7 1/2" /sec. tape speeds and push-button control of all operating functions. Convertible to stereo playback. Power output, 8 watts. Signal-to-noise ratio, better than 45 db. Less than 0.4% RMS flutter and wow. Cathoptic tuning eye, automatic shut-off, and monitor switch. Concealed 60-cycle hum control and noise balance control. Two built-in speakers. Jacks for external amplifier, two-way external and stereo output. Separate bass and treble control, microphone and phono adapter plug included.</p>
	 <p>"Tape-O-Matic" Portable Model 711A \$209.95</p> <p>Stereo/Playback Model 714 \$225.00</p>	<p>40-15,000 cycles (±5 db) at 7 1/2" /sec.</p>	<p>Portable, two-speed dual-track recorder equipped to team with any amplifier-speaker for stereophonic playback. Power output, 8 watts. Signal-to-noise, better than 45db. Flutter and wow less than 0.5% RMS. Cathoptic tuning eye and automatic shut-off. Two speakers, external amplifier jack, two-way external speaker jack, stereomatic output receptacle, A.C. receptacle. Fully interlocked push-button control. Instant pause switch, monitor switch and tape index counter. Separate bass and treble controls. Model 714, same as above, but plays all pre-recorded tapes with "stacked-staggered" switch. Complete, monaural recording and playback as well.</p>
	 <p>"Celeste" Stereo/Playback Table Model 750A \$275.00</p>	<p>40-15,000 cycles (±5 db) at 7 1/2" /sec.</p>	<p>Two-speed dual track stereophonic recorder, similar to Model 714, except with two 8" woofers and a 3.5" tweeter. Features "stacked-staggered" switch for playing all pre-recorded stereo tapes. Blonde or mahogany furniture-finished cabinets. Optional legs convert it to console.</p>

Manufacturer	Model and Price	Frequency Response	Data
J. C. WARREN CORPORATION 21 Hanse Ave., Freeport, N. Y.	 <p>777 Series Battery Portables</p> <p>Tapo Model 777 (blue) \$295.00 Traveler Model 777-1 (brown) 298.50 Tempo Model 777-2 (gray) 314.00</p>	<p>to cps at</p> <p>3,500 - 1 7/8" / sec. 6,000 - 3 3/4" / sec. 12,000 - 7 1/2" / sec.</p>	<p>Portable dual track tape recorders with completely self-contained battery powered tape transport, amplifier and speaker for playback. Rechargeable battery cycle up to eight hours depending on tape speed. Has self-contained battery recharger. May be operated on 110 AC. Rewind is electric: speed 10 to 1. Maximum reel size, 5". May be operated with door open or closed. Monitors while recording. Inputs for microphone and headphone monitoring. Crystal or ceramic microphone included. Accessories include snap-on retractable legs, canvas carrying case and shoulder strap. Weight 21 lbs. Size 6" x 10" x 15".</p>
	 <p>Privateer Mark VIII \$379.00</p>	<p>to 3,500 cycles at 1 7/8" / sec.</p>	<p>Portable dual track tape recorder, self-contained rechargeable batteries. Rewind electric. No batteries to replace. Battery charger separate unit but included in price. Units may be operated in covert fashion in briefcase from external concealed switch and making use of external concealed microphone. Available accessories include input level indicator, headset, external microphone, telephone recording adaptor.</p>
WEBSTER-CHICAGO CORPORATION 5610 Bloomingdale Ave., Chicago 39, Ill.	 <p>Webcor "Royal"</p> <p>Model 2811 \$199.95</p> <p>Model 2821 \$239.95</p> <p>Model 2891 \$239.95</p>	<p>70-7,000 cycles at 3 3/4" / sec.</p> <p>50-12,000 cycles at 7 1/2" / sec.</p>	<p>Model 2811 — Portable, two-speed, dual-track recorder with "no reel turnover" feature. Plays 3.5 or 7 inch reels in two directions, with head transfer for track change. Amplifier has 5 watts peak power. Two speakers — 5" x 7" woofer and 4" tweeter. Two recording heads, two 4-pole motors. Numerical tape counter, recording level indicator, four-way master control. Jacks for input, external amplifier, external speaker. Weight, 45 lb.</p> <p>Model 2821 — same, except with separate pre-amplifier for stereo playback. Additional stereo speaker system required.</p> <p>Model 2891 — same as 2811, except with built-in AM radio tuner. Radio may be used independent of recorder.</p>
	 <p>Webcor "Royal Coronet"</p> <p>Model 2812 \$249.95</p> <p>Model 2822 \$289.95</p> <p>Model 2892 \$289.95</p>	<p>50-10,000 cycles at 3 3/4" / sec.</p> <p>40-15,000 cycles at 7 1/2" / sec.</p>	<p>Model 2812 — Same as Model 2811, except with 8 watt peak power amplifier and three speakers — one 6" x 9" woofer and two 4" tweeters. Weight, 51 lb.</p> <p>Model 2822 — Same, except with separate pre-amplifier for stereo playback. Additional stereo speaker system required.</p> <p>Model 2892 — Same as 2812, except with built-in AM radio tuner. Radio may be used independent of recorder.</p>
	 <p>Webcor "Imperial"</p> <p>Model 2827 \$319.95</p> <p>Model 2897 \$359.95</p>	<p>50-10,000 cycles at 3 3/4" / sec.</p> <p>40-15,000 cycles at 7 1/2" / sec.</p>	<p>Model 2827 — similar to Model 2821, except with 8 watt peak power amplifier, built-in preamplifier for stereophonic playback using a separate two-section speaker system, Webcor Model No. 4827. Recorder includes built-in 5" monitor speaker. Two recording heads; one monaural record/playback head, the other a stacked monaural and stereo playback head.</p> <p>Model 2897 — Same as 2827, except with built-in AM radio tuner which can be used independent of recorder.</p>
WEBSTER ELECTRIC ELECTRONICS DIVISION Racine, Wisconsin	 <p>"Ekotape" Model 270 \$269.50</p>	<p>30-15,000 cycles at 7 1/2" / sec.</p>	<p>Portable, dual-track recorder with tape speeds of 3 3/4" and 7 1/2" / sec. Monomatic single-knob control, meter-type recording level indicator and odometer type program selection finder. Signal-to-noise, 43 db. Distortion, 1.6% total harmonic at 6 watts, 400 cycles. Wow and flutter, 0.2% max. at 7 1/2" / sec. Output, 8 watts maximum. Built-in 6" x 9" oval PM speaker. Inputs for microphone and radio/phonograph. Includes crystal microphone and manual start-stop control. Weight, 35 lb.</p>

Manufacturer	Model and Price	Frequency Response	Data	
WEBSTER ELECTRIC — ELECTRONICS DIVISION Racine, Wisconsin	 <p>"Ekotape" Model 280 \$299.50</p>	30-15,000 cycles at 7 1/2" /sec.	Portable, two-speed, dual-track recorder with monomatic single-knob control. Motor type recording level indicator. Power output, 8 watts max. Distortion, 1.6%. Total harmonic at 6 watts, 400 cycles. Signal-to-noise, 43 db. Wow and flutter, 0.2% max. at 7 1/2" /sec. Odometer type selection finder. Fast forward and rewind ratio, 15 to 1. Two built-in speakers — 6" x 9" oval PM and 3" round. External speaker jack and output for hi-fi preamp. Inputs for microphone and radio-phono jack. Includes crystal mike and manual instant start-stop control. Weight, 35 lb.	
	 <p>"Ekotape" Stereophonic Model 290 \$399.50</p>	30-15,000 cycles at 7 1/2" /sec.	Similar to Model 280 above, except designed for monaural record/playback and stereophonic playback with stacked heads. Includes two amplifiers for stereo playback — one used for monaural record and playback. Each amplifier has 8 watts maximum output. Weight, 44 lb. Matching stereo speaker cabinet, including 6" x 9" oval and 3" round speaker, available at \$59.50.	
WILCOX-GAY CORPORATION Charlotte, Michigan	 <p>The Student Model 702 \$99.95</p> <p>The Prep Model 712 \$99.95</p> <p>The Counsellor Model 732 \$129.95</p> <p>The Senator Model 752 \$169.95</p> <p>The President Model 772 \$229.95</p>	85-7,000 cycles at 3 3/4" /sec.	Portable, single-speed, dual-track recorders, available for either 3 3/4" or 7 1/2" /sec. with push-button keyboard and transistor preamplifier. Signal-to-noise, 35 db minimum. Normal and distort recording level indicators. Rewinds 1200 ft. reel in less than 2 3/4 min. PA facility while recording. Power output, 3 watts. Built-in 4" round speaker. Inputs for radio-phono-TV. Output jack for earphone monitoring or external speaker. Socket for remote control. Crystal mike included. Weight, 26 lb.	
		85-8,500 cycles at 7 1/2" /sec.		
		85-8,000 cycles at 7 1/2" /sec.		The Counsellor — same as above except dual speed (3 3/4" and 7 1/2" /sec.) and 4" x 6" oval speaker. Wow and flutter, 0.35% at 7 1/2" /sec.
		65-10,000 cycles at 7 1/2" /sec.		The Senator — similar to Counsellor, except with visual tape index and 5" x 7" extended range speaker. Weight, 30 lbs.
		65-12,500 cycles at 7 1/2" /sec.		The President — similar to Senator, except delivers 8 watts undistorted output and has two speakers — one 5" x 7" extended range and one high-frequency tweeter. Wow and flutter, 0.3% at 7 1/2" /sec. Push-to-talk microphone. Weight, 37 lb. Available accessories — remote control kit, stereo-head kit, roving speaker.
	 <p>The Executive Model 762 \$199.95</p>	65-12,500 cycles at 7 1/2" /sec.	Portable, two-speed, dual-track recorder with push-button keyboard and transistor preamplifier, in roll-top cabinet. Mechanical and performance features otherwise same as for President model described above. Weight, 37 lbs.	
	 <p>The Jet Model CL622 Cartridge Loader \$129.95</p>	65-9,000 cycles at 3 3/4" /sec.	Portable, dual-track recorder with 3 3/4" /sec. tape speed and cartridge tape loading. Signal-to-noise, 35 db minimum. Wow and flutter, 0.5%. "Magic Eye" recording level indicator. Record lock button. Amplifier, 3 watts output. Output for earphone monitoring or external speaker. Includes 4" x 6" speaker, microphone, and cartridge of pre-recorded tape. Weight 22 lb.	
 <p>The Royal Model 782 (3 speakers) \$269.95</p>	65-15,000 cycles at 7 1/2" /sec.	Portable, two-speed, dual-track recorder with 7 1/2" and 3 3/4" /sec. tape speeds, visual tape timer, remote control and three speakers — two 6" x 9" and one high frequency electrostatic "tweeter." Signal-to-noise, 35 db minimum. Wow and flutter: 0.2% at 7 1/2" /sec., 0.38% at 3 3/4" /sec. Amplifier output, 8 watts. Other recorder features same as for Model 772 above. Weight, 47 lb.		
<p>Tape-Disc Recordio Model 4C-10 \$199.95</p>	80-6,000 cycles at 3 3/4" /sec.	Portable combination tape and disc recording and reproducing unit with 3 3/4" tape speed and 78 rpm disc speed. Records tape, discs, tape to disc or disc to tape. Weight, 30 lb.		

Manufacturer	Model and Price	Frequency Response	Data
<p>WILCOX-GAY CORPORATION MAJESTIC INTER-NATIONAL SALES CORP. DIVISION 743 N. LaSalle St. Chicago 10, Ill.</p>	 <p>Grundig Majestic Model TK8 \$299.95</p>	<p>50-10,000 cycles (± 3 db) at $3\frac{3}{4}$" / sec. 40-16,000 cycles (± 3 db) at $7\frac{1}{2}$" / sec.</p>	<p>Portable, dual-track recorder with $3\frac{3}{4}$" and $7\frac{1}{2}$" tape speeds. Flutter and wow, less than 0.1% at $7\frac{1}{2}$" / sec., less than 0.2% at $3\frac{3}{4}$" / sec. Signal-to-noise ratio, 55 db. Harmonic distortion, less than 1%. Fast forward and rewind ratio, 30:1. Power output, 6 watts undistorted. Three high-impedance inputs, one high-impedance and one low-impedance output. Includes three-wide range PM loudspeakers. Dimensions, 16" x 17" x 8". Weight, 35 lb.</p>
<p>WOLLENSACK OPTICAL COMPANY 20 E. 21st St. Chicago 16, Ill.</p>	 <p>Model T-1500 \$189.50</p>	<p>40-7,500 cycles (± 3 db) at $3\frac{3}{4}$" / sec. 40-15,000 cycles (± 3 db) at $7\frac{1}{2}$" / sec.</p>	<p>Portable, two-speed, dual-track recorder with 10-watt power output and interlocked keyboard control that can be operated in any sequence. Flutter and wow, less than 0.3%. Signal-to-noise, 48 db. Overall distortion less than 0.8%. Fast forward and rewind, 150" / sec. Dual level record indicator, revolution index counter, instant stop lever. Automatic drive roller release when power switch is off. Pre-amp output for Hi-Fi system. Extension speaker jack. Built-in automatic head demagnetization. Remote foot control available. Weight, 18 lb.</p>

All specifications and performance data on tape recorders listed in this directory are based on information supplied by the manufacturer. Performance data are generally based on average values and individual machines sometimes vary widely from published figures, depending on the amount of quality control exercised in manufacture.

Prices subject to change without notice. Consult manufacturer or local dealer for exact price, as some prices are list and others net.

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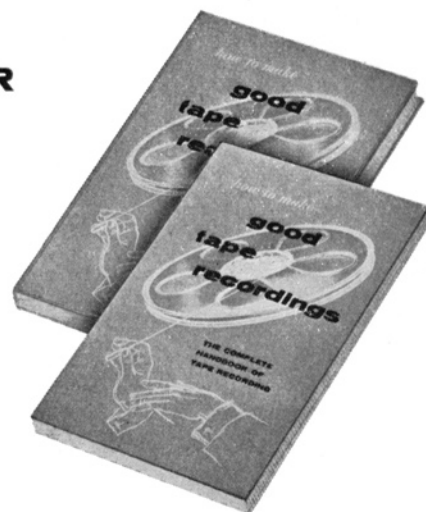
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 Vice Pres., Audio Devices, Inc.

The COMPLETE LINE of professional quality AUDIOTAPE

Description	Type No.*	Length	Reel†	List Price Each
 <p>PLASTIC-BASE AUDIOTAPE on 1½-mil cellulose acetate (in the Red Box)</p> <p>Meets the most exacting requirements of the professional, educational and home recordist at minimum cost. Known the world over for its matchless performance and consistent uniform quality. Series 51.</p>	151	150 ft.	3" Plastic	\$ 0.70
	351	300 ft.	4" Plastic	1.35
	651	600 ft.	5" Plastic	2.25
	1251	1200 ft.	7" Plastic	3.50
	2551H	2500 ft.	NARTB Hub	8.50
	2551R	2500 ft.	10½" Aluminum Reel	10.90
	‡2551FS	2500 ft.	10½" Fiberglass (RETMA)	10.90
	5051H	5000 ft.	NARTB Hub	17.00
	5051R	5000 ft.	14" Aluminum Reel	22.10
 <p>"LR" LONGER-RECORDING AUDIOTAPE on 1-mil Mylar® polyester film (in the Black and Red Box)</p> <p>50% more recording time per reel. The strong, super-durable polyester film base assures trouble-free operation even under severe conditions of heat and humidity. Series 61. °DuPont Trade Mark</p>	261	225 ft.	3" Plastic in Self-Mailer Pkg.	1.00
	961	900 ft.	5" Plastic	3.75
	1861	1800 ft.	7" Plastic	6.50
	3661H	3600 ft.	NARTB Hub	12.50
	3661R	3600 ft.	10½" Aluminum Reel	15.00
	‡3661FS	3600 ft.	10½" Fiberglass (RETMA)	15.00
	7261H	7200 ft.	NARTB Hub	26.00
	7261R	7200 ft.	14" Aluminum Reel	32.00
	 <p>PLASTIC-BASE "LR" AUDIOTAPE on 1-mil cellulose acetate (in the Blue Box)</p> <p>50% more recording and playback time on low-cost 1-mil cellulose acetate base, affording maximum economy for applications where high strength is not required. Series 41.</p>	941	900 ft.	5" Plastic
1841		1800 ft.	7" Plastic	5.50
3641H		3600 ft.	NARTB Hub	10.00
3641R		3600 ft.	10½" Aluminum Reel	12.85
‡3641FS		3600 ft.	10½" Fiberglass (RETMA)	12.85
7241H		7200 ft.	NARTB Hub	20.00
7241R		7200 ft.	14" Aluminum Reel	26.00
 <p>AUDIOTAPE ON 1½-MIL "MYLAR" (in the Green Box)</p> <p>A premium-quality professional tape that provides the utmost in mechanical strength and immunity to temperature and humidity. Will not dry out or embrittle with age. Series 71.</p>	671	600 ft.	5" Plastic	4.25
	1271	1200 ft.	7" Plastic	7.00
	2571H	2500 ft.	NARTB Hub	12.75
	2571R	2500 ft.	10½" Aluminum Reel	15.15
	‡2571FS	2500 ft.	10½" Fiberglass (RETMA)	15.15
	5071H	5000 ft.	NARTB Hub	30.30
	5071R	5000 ft.	14" Aluminum Reel	36.30
 <p>SUPER-THIN AUDIOTAPE on ½-mil "Mylar" (in the Yellow Box)</p> <p>Twice as much recording time per reel as standard plastic-base tape. Suitable for extended-play applications where tape tension is not excessive. Series 31.</p>	1231	1200 ft.	5" Plastic	5.00
	2431	2400 ft.	7" Plastic	9.25
 <p>MASTER LOW PRINT-THROUGH AUDIOTAPE on Plastic Base</p> <p>The finest, professional-quality recording tape. Base material, 1½-mil acetate. Maximum fidelity, uniformity, frequency response and freedom from noise and distortion. . . . Plus low print-through.</p>	1251-M	1200 ft.	7" Plastic	4.30
	2551H-M	2500 ft.	NARTB Hub	9.80
	2551R-M	2500 ft.	10½" Aluminum Reel	12.50
	‡2551FS-M	2500 ft.	10½" Fiberglass (RETMA)	12.50
	5051H-M	5000 ft.	NARTB Hub	19.55
	5051R-M	5000 ft.	14" Aluminum Reel	26.00
 <p>on 1½-mil "Mylar"</p> <p>Super-durable tape that meets the highest standards of performance. Withstands extreme temperatures and is virtually immune to humidity. Gives maximum tape life under any conditions. . . . Plus low print-through.</p>	1271-M	1200 ft.	7" Plastic	8.05
	2571H-M	2500 ft.	NARTB Hub	14.65
	2571R-M	2500 ft.	10½" Aluminum Reel	17.40
	‡2571FS-M	2500 ft.	10½" Fiberglass (RETMA)	17.40



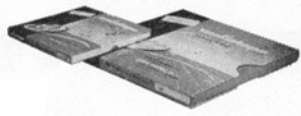
* Type Numbers listed cover red oxide wound on reel with OXIDE IN. For tape wound with Oxide Out, change last digit of Type No. from "1" to "0." E.g. Audiotape 1250 covers 1200 ft. reel of plastic base tape wound with Oxide Out.

† COLORED PLASTIC REELS. Audiotape on 5" and 7" plastic reels can be supplied on colored reels at no increase in price when ordered in lots of 30 reels or more of any

one color. To designate color of reel (Red, Yellow, Green or Blue) add letters "RR" and "YR," "GR" or "BR" to Type No. Listed. E.g. — Type 1251YR covers 1200 feet of standard plastic-base tape on Yellow Reel. Type 1251GBR covers 1200 feet of Green plastic-base tape on Blue Reel.



‡ "FS" in Type No. indicate Fiberglass reel with solid hub and 5/16" center hole.



MISCELLANEOUS AUDIOTAPE ITEMS

Item	Type No.		Description		List Price
	GREEN	BLUE	LENGTH	REEL	
 <p>COLORED PLASTIC-BASE AUDIOTAPE on 1½-mil cellulose acetate (in same box as above with label for color)</p> <p>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) — permit fast and easy color cueing and color coding. Eliminate need for identifying leaders between selections.</p>	151G	151B	150 ft.	3" Plastic	\$.70
	351G	351B	300 ft.	4" Plastic	1.35
	651G	651B	600 ft.	5" Plastic	2.25
	1251G	1251B	1200 ft.	7" Plastic	3.50
	2551HG	2551HB	2500 ft.	NARTB Hub	8.50
	2551RG	2551RB	2500 ft.	10½" Aluminum Reel	10.90
	‡2551FSG	‡2551FSB	2500 ft.	10½" Fiberglass (RETMA)	10.90
	5051HG	5051HB	5000 ft.	NARTB Hub	17.00
	5051RG	5051RB	5000 ft.	14" Aluminum Reel	22.10
	<p>EMPTY AUDIOTAPE REELS IN INDIVIDUAL BOXES</p>  <p>Standard Reels</p> <p>Colored Plastic Reels</p>	3PB			3" Plastic Reel in Box
4PB				4" Plastic Reel in Box	.45
5PB				5" Plastic Reel in Box	.60
7PB				7" Plastic Reel (the new C-slot reel) in Box	.75
10RB				10½" Aluminum Reel in Box	4.00
10FS				10½" Fiberglass (RETMA) in Box	4.00
14RB				14" Aluminum Reel in Box	7.40
10H				NARTB Metal Hub	.70
5PBR				Red } Yellow } Blue } Green } 5" Plastic Reel in Box	.60
5PBY					
5PBG					
5PBB					
7PBR			Red } Yellow } Green } Blue } 7" Plastic Reel in Box	.75	
7PBY					
7PBG					
7PBB					
<p>EMPTY AUDIOTAPE BOXES</p> 	3B			For 3" Reel	.15
	4B			For 4" Reel	.20
	5B			For 5" Reel	.20
	7B			For 7" Reel	.20
	10B			For 10½" Reel	.75
	14B			For 14" Reel	1.00

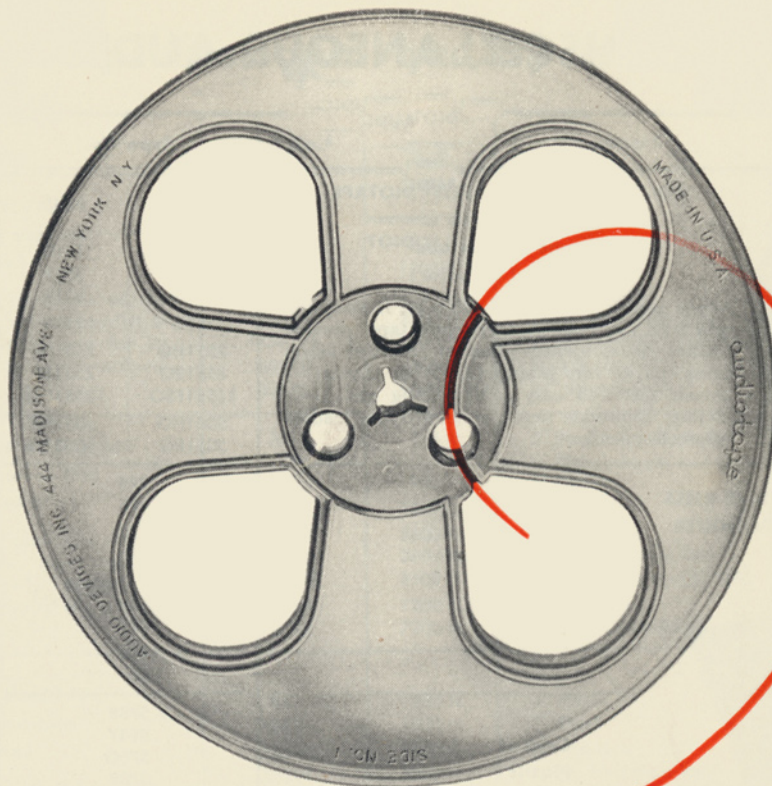
‡ "FS" in Type No. indicates Fiberglass reel with solid hub and 5/16" center hole.

AUDIO ACCESSORIES

Item	Type No.	List Price
<p>CORRUGATED MAILING BOXES</p> <p>Strong, re-usable containers for 5", 7" and 10½" reels.</p>	5M 7M 10M	\$.15 .20 .30
<p>RECORDING HEAD CLEANER</p> <p>Superior to carbon tetrachloride. One-ounce bottle with brush.</p>	1HC	.65
 <p>AUDIO SELF-TIMING LEADER TYPE</p> <p>A strong, durable leader tape of white "mylar" material with spaced markings to permit accurate rate time of leader intervals. Each box contains 100 feet, ¼" wide.</p>	3L	.55
 <p>ADHESIVE REEL LABELS</p> <p>Provide positive identification of your tapes, right on the reel. Simply press to apply, pull off to remove. Envelope of 30, 2" x 1½" labels.</p>	30AL	.20

Item	Type No.	List Price
 <p>AUDIO HEAD DEMAGNETIZER</p> <p>Removes all permanent magnetism from recording and reproducing heads in a matter of seconds. Includes 7-foot cord and is individually boxed.</p>	400	10.00
<p>AUDIO HEAD ALIGNING TAPE</p> <p>Pre-recorded at 2,000, 10,000 and 15,000 cps (15"/sec.) with precisely correct head alignment. Each box contains 300 ft. on a 4" reel and instructions.</p>	200	10.00
 <p><i>how to make</i> GOOD TAPE RECORDINGS</p> <p>This completely new handbook of tape recording contains up-to-the-minute information of interest and practical value to every tape recordist. Profusely illustrated with photographs, charts and diagrams prepared especially for this book, it contains 150 pages of valuable information on all phases of modern tape recording.</p>	Clothbound 25C Paperbound 15P	2.50 1.50

only



audiotape gives you

C-SLOT THREADING

... the fastest, easiest-threading reel ever developed!

This revolutionary new improvement in tape reel design is now standard for all 5" and 7" reels of Audiocassette — an extra-value feature at no extra cost!

With the C-slot reel, threading becomes virtually automatic. No more fumbling with tiny loops or sticking your finger in little holes. What's more, the new reel is actually heavier and stronger than ever before. All five types of Audiocassette now come on this great new reel.

Only C-SLOT threading gives you these advantages:

- No kinks or loops in tape*
- No "pigtailed" to stick up and break off or cause reel to wobble when turned over*
- No need to turn reel by hand to anchor tape*

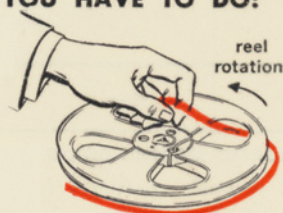
PLUS these improved construction features:

- Smooth, unbroken rim — no slit to warp or bind*
- Perfectly smooth inner surface — no sharp edges to catch or roughen tape*
- Strong, non-warping construction — the ultimate in reel ruggedness*

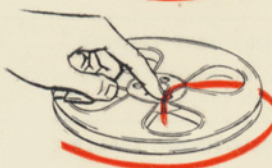
Ask your dealer for a demonstration
of the Audiocassette C-slot reel.

HERE'S ALL YOU HAVE TO DO:

1. Insert tape through flange opening at top of C-slot.



2. Drop tape into slot, leaving about 1 inch projecting beyond the hub with tape slack on both sides of recording head.



THEN PRESS THE "START" BUTTON!

Tape will grip and hold firmly . . .
no need to turn reel by hand to anchor free end.

audiotape

it speaks for itself

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