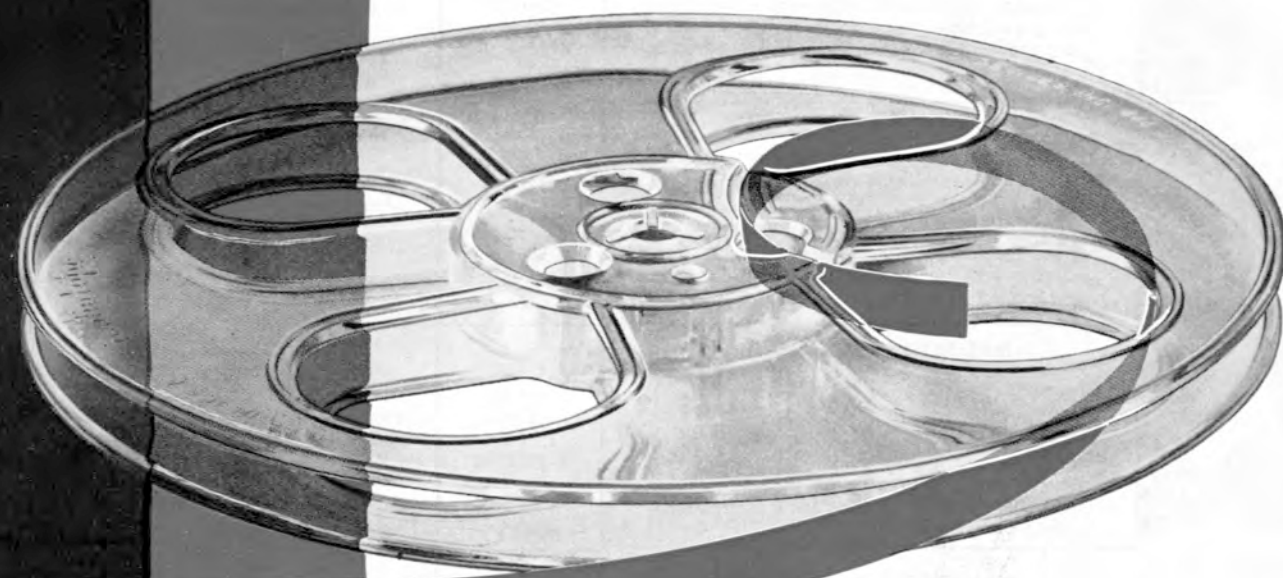


*fastest-threading reel
ever developed...*



the audiotape C-Slot Reel, NOW BETTER THAN EVER!

The popular C-Slot reel—the fastest, easiest-threading reel ever developed—has been structurally redesigned. It's now stronger than ever and even more convenient than before.

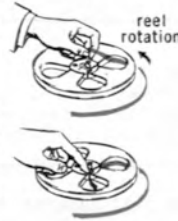
Since the revolutionary reel design was introduced about a year ago, engineers have carefully checked service experience on all types of machines under all operating conditions. This study pointed the way to still further improvements.

Now, a slimmer, smoother tape slot gives a virtually unbroken hub surface for smoother winding under even the highest tape tension. A reinforced beveled edge guides the tape more easily into the C-slot. Inside the hub, extra "ribs" have been added and the bonding area has been increased by 50%, making the entire structure practically indestructible.

No other reel can approach the C-slot for fast, easy threading. And the new, improved design is now standard for all 5" and 7" reels of Audiotape—an extra-value feature at no extra cost! Another important reason why it pays to specify Audiotape for every recording need.

HERE'S C-SLOT THREADING

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!

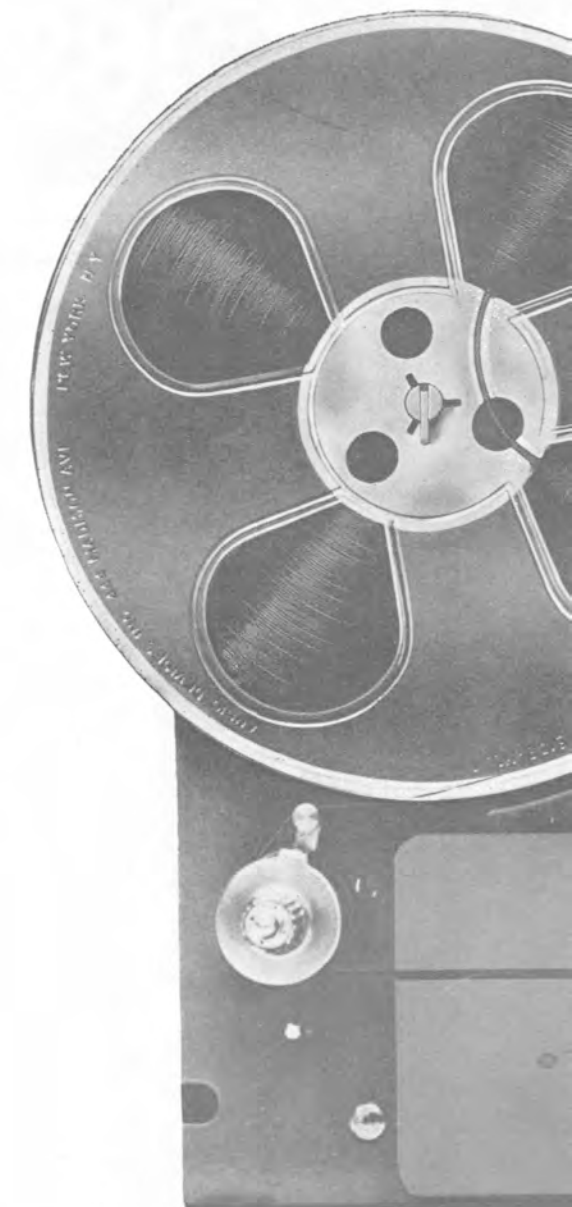
Tape will grip and hold firmly... no need to turn reel by hand to anchor free end.

audiotape
TRADE MARK

AUDIO DEVICES, INC.
444 Madison Ave., N. Y. 22, N. Y.

In Hollywood: 840 N. Fairfax Ave.
In Chicago: 5428 Milwaukee Ave.
Export Dept: 13 East 40th St., N.Y. 16, N.Y.
Cables "ARLAB"

October 1958, Vol. 14, No. 2



audio record

Published by
AUDIO DEVICES, INC.
444 Madison Avenue,
New York 22, N. Y.

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*tape recorder
directory issue*

1958-1959

QUICK FACTS ON MAGNETIC TAPE RECORDERS

(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.	Continuous automatic tape reproducers for rack mounting  Model 450D with pre-amp \$855.00 Model 450DA with combination pre-amp power amplifier and mixer \$972.00 Add \$30.00 for 7 1/2 ips	50-10,000 cycles (± 2 db) at 7 1/2"/sec. 50-15,000 cycles (± 4 db) at 7 1/2"/sec. 50-7500 cycles (± 2 db) at 3 3/4"/sec.	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 positive metallic tape impulse automatic reversing. Exclusive reel change switch. Operates with variety of accessories including Ad Merchandiser. Model 450DA, same as above except has combination pre-amp and 12-watt high fidelity power amplifier with 4, 8, 16 ohm and 70-volt output. Individual volume controls for music, microphone, chime tone pager, Ad Merchandiser; master gain control, and tone control. Receptacle for timers, microphones, low impedance transformer, and Ad Merchandiser.
	 Model 465 Deluxe Console \$1191.00 Model 466 \$1140.00	as above	Model 465 contains Ampex-designed Model 450DA. Completely automatic. Space for Ad Merchandiser unit in top control section exposed by lifting hinged lid. Master volume control and monitor volume control. Extended range monitor speaker in a separate enclosure within console. 37" high, 34" wide, 18" deep. Shipping weight, 161 lbs. Model 466. The same basic unit as 465, in cabinet of Zolotone (no front panel). Master and monitor volume controls and automatic timer control. (T10). (Without T-10 Timer, \$1095.00) Monitor speaker included.
	 RACK SERIES Model 455-50WR \$1397.00 Model 458 Dual Unit — Automatic intermix programming system \$2275.00	as above	A typical rack installation including rack, 450D, monitor panel, T-10 Timer panel, 50WR 50-watt high fidelity amplifier and blank panel. Other combinations are possible with the ad merchandisers, various power amplifiers, timers, chime tone, and voice paging. An automatic programming system for FM radio stations, wired music, community television networks, closed circuit systems, etc. Timers and silent sensing provides switching between any desired number of selections from each 450D. Ad Merchandiser also can be used to insert announcements automatically.
	 Model 480 Ad Merchandiser \$345.00 Model 482 (Price on request) Model 483 (Price on request)	50-7500 cycles (± 2 db) at 3 3/4"/sec.	Provides for automatic insertion of a series of announcements one at a time, between musical selections, with built-in silent sensing. Playback only. Selector switch permits selection of 1 to 10 musical selections between ads. Switch provides for monitoring cartridge without affecting background music. Easy to change snap-in Cousino cartridge 1 to 28 minutes. Larger cartridge provides up to one hour. Mounts in top panel of Alto Fonic consoles, or in drawer of rack systems. Meets all specifications of 450 unit. Plugs into 450DA. Model 482 is same as Model 480 but self-contained and automatic. Play back only. Heavy duty. Cousino cartridge for any length announcements totaling 2 to 60 minutes. Self contained 3-watt amplifier and speaker. High impedance output available for other amplifiers. External switch will trigger start or built-in timer may be set for time intervals from 5 minutes to 1 hour. Model 483 is same as 482 with playback/record combination including microphone and level indicator. Grip to talk switch controls recording.
AMERICAN CONCERTONE Division of American Electronics, Inc. 9449 West Jefferson Blvd. Culver City, Calif.	 SERIES 30 Model 31, full track recorder.....\$695.00 Model 32, half track recorder.....\$695.00 Model 33, stereo recorder.....\$995.00 Modification ST, to full track, half track and two channel stereo.....\$204.00	50-15,000 cycles (± 2 db) at 15"/sec. 50-12,000 cycles (± 2 db) at 7 1/2"/sec. 50-6,500 cycles (± 2 db) at 3 3/4"/sec.	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 1/2" VU-type meter; 2-channel input mixer; A-B test fader for cueing/editing switch. Instant speed selection of 15"/sec. and 7 1/2"/sec. or 3 3/4"/sec. and 7 1/2"/sec. Signal-to-noise, 55 db by proposed NAB 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 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.

—The World's Finest Magnetic Recording Tape

Description	Type No.*	Length	Reel†	List Price
 SUPER-THIN AUDIOTAPE on 1/2-mil "Mylar" (in the Yellow Box) <i>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.</i>	1231	1200 ft.	5" Plastic	\$ 5.00
	2431	2400 ft.	7" Plastic	9.25
 SUPER-THIN AUDIOTAPE on "Tempered" "Mylar" (in the Yellow-and-Red Box) <i>Twice as much recording time per reel as standard plastic-base tape, and is twice as strong as other double-length tapes. Will not stretch or break on any tape recorder — will not dry out or embrittle with age. Series 31T.</i>	1231T	1200 ft.	5" Plastic	6.50
	2431T	2400 ft.	7" Plastic	11.95
 MASTER LOW PRINT-THROUGH AUDIOTAPE on Plastic Base <i>The finest, professional-quality recording tape. Base material, 1 1/2-mil acetate. Maximum fidelity, uniformity, frequency response and freedom from noise and distortion. . . . Plus low print-through. Series 51M.</i>	4831T-R	4800 ft.	10 1/2" Aluminum Reel	26.90
	‡4831T-FS	4800 ft.	10 1/2" Fiberglass (RETMA)	26.90
 MASTER LOW PRINT-THROUGH AUDIOTAPE on 1 1/2-mil "Mylar" <i>Super-durable tape that meets highest standards of performance. Withstands extreme temperatures and is virtually immune to humidity. Gives maximum tape life under any conditions. . . . Plus low print-through. Series 71M.</i>	651-M	600 ft.	5" Plastic	2.75
	1251-M	1200 ft.	7" Plastic	4.30
	2551H-M	2500 ft.	NARTB Hub	9.80
	2551R-M	2500 ft.	10 1/2" Aluminum Reel	12.50
	‡2551FS-M	2500 ft.	10 1/2" Fiberglass (RETMA)	12.50
	5051H-M	5000 ft.	NARTB Hub	19.55
	5051R-M	5000 ft.	14" Aluminum Reel	26.00
	671-M	600 ft.	5" Plastic	4.85
	1271-M	1200 ft.	7" Plastic	8.05
	2571H-M	2500 ft.	NARTB Hub	14.65
	2571R-M	2500 ft.	10 1/2" Aluminum Reel	17.40
	‡2571FS-M	2500 ft.	10 1/2" 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. indicates Fiberglass reel with solid hub and 5/16" center hole.

Audio Accessories

Item	Type No.	List Price	Item	Type No.	List Price
CORRUGATED MAILING BOXES Strong, re-usable containers for 5", 7" and 10 1/2" reels.	5M 7M 10M	\$.15 .20 .30	AUDIO HEAD DEMAGNETIZER  Removes all permanent magnetism from recording and reproducing heads in a matter of seconds. Includes 7-foot cord and is individually boxed.	400	10.00
RECORDING HEAD CLEANER  Especially formulated for use on recording heads. Contains silicone solvent. Superior to carbon tetrachloride. One-ounce bottle with brush.	1HC	.65	AUDIO HEAD ALIGNMENT TAPE  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.	200	10.00
AUDIO SELF-TIMING LEADER TAPE  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, 1 1/4" wide.	3L	.55	GOOD TAPE RECORDINGS  <i>how to make</i> This handbook of tape recording contains up-to-the-minute information of interest and practical value to every tape recorder. 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.	Clothbound 25C Paperbound 15P	2.50 1.50
ADHESIVE REEL LABELS  Provide positive identification of your tapes, right on the reel. Simply press to apply, pull off to remove. Envelope of 30, 2" x 1 1/2" labels.	30AL	.20			

The COMPLETE LINE of professional quality AUDIOTAPE

Description	Type No.*	Length	Reel†	List Price
 PLASTIC-BASE AUDIOTAPE on 1½-mil cellulose acetate (in the Red Box) 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.	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
 AUDIOTAPE ON 1½-MIL MYLAR* (in the Green Box) 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. *DuPont Trade Mark	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
 "LR" LONGER-RECORDING AUDIOTAPE on 1-mil "Mylar" (in the Black-and-Red Box) 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.	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
 PLASTIC-BASE "LR" AUDIOTAPE on 1-mil cellulose acetate (in the Blue Box) 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.	941	900 ft.	5" Plastic	3.50
	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

Miscellaneous AUDIOTAPE Items

Item	Type No.		Description		List Price
 COLORLED PLASTIC-BASE AUDIOTAPE on 1½-mil cellulose acetate (in same box as above with label for color) 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.	GREEN	BLUE	LENGTH	REEL	
			150 ft.	3" Plastic	
			300 ft.	4" Plastic	
			600 ft.	5" Plastic	
			1200 ft.	7" Plastic	
			2500 ft.	NARTB Hub	
	2551HG	2551HB	2500 ft.	10½" Aluminum Reel	10.90
			2500 ft.	10½" Fiberglass (RETMA)	
			5000 ft.	NARTB Hub	
			5000 ft.	14" Aluminum Reel	
			5000 ft.	14" Aluminum Reel	
			5000 ft.	14" Aluminum Reel	
 EMPTY AUDIOTAPE REELS IN INDIVIDUAL BOXES	Standard Reels		3PB	3" Plastic in Box	.25
			4PB	4" Plastic Reel in Box	.45
			5PB	5" Plastic Reel in Box	.60
			7PB	7" Plastic Reel in Box	.75
			10RB	10½" Aluminum Reel in Box	4.00
			10FS	10½" Fiberglass (RETMA) in Box	4.00
	Colored Plastic Reels		14RB	14" Aluminum Reel in Box	7.40
			10H	NARTB Metal Hub	.70
			5PBR	Red 5" Plastic Reel in Box	.60
			5PBY	Yellow 5" Plastic Reel in Box	
			5PBG	Blue 5" Plastic Reel in Box	
			5PBB	Green 5" Plastic Reel in Box	
			7PBR	Red 7" Plastic Reel in Box	.75
			7PBY	Yellow 7" Plastic Reel in Box	
			7PBG	Blue 7" Plastic Reel in Box	
			7PBB	Green 7" Plastic Reel in Box	

Manufacturer	Model and Price	Frequency Response	Data
AMERICAN CONCERTONE Division of American Electronics, Inc. 9449 West Jefferson Blvd. Culver City, Calif.	 SERIES 60 Model 61 \$495.00 Model 62 \$595.00 Model 63 \$695.00 (Cases for above \$60.00 extra)	30-15,000 cycles (±2 db) at 15"/sec. 40-12,000 cycles (±2 db) at 7 1/2"/sec.	All Series 60 models have the following features: two high-speed torque motors with positive self compensating braking system. Direct hysteresis synchronous tape drive for 99.8% accuracy. Torque control switch and concentric playback level control. Five-pushbutton control. VU type meter. Tape speeds are 15 and 7 1/2 or 7 1/2 and 3 3/4 ips. Signal-to-noise ratio is 45 db at 7 1/2 ips single track, 50 db at 15 ips single track. Wow and flutter is 0.15% rms at 15 ips, 0.25% rms at 7 1/2 ips. Bias frequency is 100 kc. 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.
AMERICAN GELOSO ELECTRONICS, INC. 312 Seventh Ave. New York 1, N. Y.	 Model G255/SP Geloso "StenOtape" Portable Recorder \$179.95	60-10,000 cycles at 3 3/4"/sec. 80-8,000 cycles at 17 1/8"/sec.	Imported dual track recorder and dictating/transcriber. Speeds: 17 1/8 and 3 3/4"/sec. Four push-button controls for record, fast rewind, playback and stop. Uses foot pedal and finger-tip "remote" controls (\$19.95 each) for instantaneous start, stop and back space. Automatic erase and correction. Operates in boat or auto with Inverter. "Glo-light" recording level indicator. Special adjustment for line voltages between 110 and 240 AC. Can play up to 128 minutes. Transparent lucite cover for dust protection. Preamp output for hi-fi system. Extension speaker jack. Many accessories available. Dimensions: 5 1/2" x 9 7/8" x 5 7/8". Weight: 7 1/2 lbs.
AMPEX CORPORATION 934 Charter St. Redwood City California	 Model 300-C Console Tape Recorder \$2250.00	30-15,000 cycles (±2 db) at 15"/sec. 40-15,000 cycles (±4 db) at 7 1/2"/sec. (±2 db 40 to 10,000 cycles)	Professional-type, single-track, dual-speed recorder operating at 15" and 7 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, ± 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 351 below. Also available for portable or rack mounting. Available only on a factory-direct basis.
	 Model 351 Console Tape Recorder \$1475.00	30-15,000 cycles (±2 db) at 15"/sec. 30-15,000 cycles (±4 db) at 7 1/2"/sec. 50-7,500 cycles (±2 db) at 3 3/4"/sec.	Professional-type single or dual-track recorder with tape speeds of 7 1/2 and 15" or 3 3/4 and 7 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, ± 0.2%. Features new "plug-in" printed circuits, new low-noise input stage, new plus 8 output, new internal power supply, and "de-popped" recording controls. 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.
	Other Equipment:		Two and three channel recorders for stereophonic or binaural sound recording and parallel recording. Portable or rack mounting. Information on request.
AMPEX AUDIO, INC. a subsidiary of Ampex Corporation 1020 Kifer Road Sunnyvale, Calif.	 "Caprice" Portable Model 960 \$650.00 Model 910 \$495.00 "Caprice" Uncased Model 902 \$449.50 Model 952 \$595.00 Model 2510 Stereo system \$849.50 Model 2560 Stereo system \$995.00 Model 2010 Amplifier-Speaker \$199.50	At 7 1/2"/sec. 30-20,000 cycles (±2 db) 50-15,000 cycles At 3 3/4"/sec. 30-15,000 cycles (±2 db) 50-10,000 cycles	Model 960 is a two-speed, stereo recorder that includes an exclusive combination half-track and full-track erase head to permit either stereo recording or half-track recording. Plays back half-track, full track, 2-track stereo and 4-track stereo tapes, and has an automatic stop mechanism. Signal-to-noise, better than 55 db below peak record level at 7 1/2"/sec. and 50 db at 3 3/4"/sec. Flutter and wow, under 0.2% at 7 1/2"/sec., 0.25% at 3 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. Weight: 38 lbs. Model 910 is same as above except for two-speed, half-track monaural record. Plays back 2-track stereo, 4-track stereo, half track and full track. Model 2510 stereo system includes Model 910 and two speaker-amplifiers (2010). Model 2560 stereo system includes Model 960 and two speaker-amplifiers (2010).
	 Model 601 Portable Tape Recorder \$595.00 Model 620 Amplifier-Speaker \$189.50 Model 601-2 2-Track Stereophonic Portable \$995.00	30-15,000 cycles (±4 db) at 7 1/2"/sec. (±2 db 40 to 10,000 cycles)	Portable, professional-type single-track or dual-track recorder with 7 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 ± 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. 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.

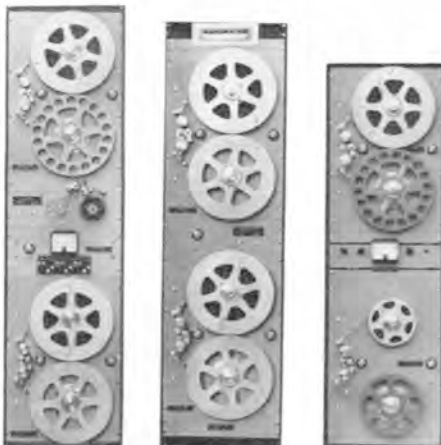
Manufacturer	Model and Price	Frequency Response	Data																													
AMPEX AUDIO, INC. a subsidiary of Ampex Corporation 1020 Kifer Road Sunnyvale, Calif.	"Crescendo" Console Music Systems  6500 Series \$1895.00 Other Consoles: 4000 Series from \$549.50 8000 Series \$2650.00	At 7 1/2" / sec. 30-20,000 cycles (± 2 db) 50-15,000 cycles At 3 3/4" / sec. 30-15,000 cycles (± 2 db) 50-10,000 cycles	Each Crescendo console includes a Model 960 stereo- phonic tape recorder-reproducer, described on page 3, plus: a Garrard 4-speed record changer with stereo/ monaural diamond stylus pick-up, push-button Audio Control Center, Ampex 2-channel AM and FM stereo- phonic tuner, two matched Ampex amplifier speaker units consisting of twin 15-watt amplifiers and six speakers — a 12" bass, 8" mid-range and one omni- directional high-frequency projector for each channel. Available in Contemporary Walnut, Traditional Ma- hogony, Contemporary Teak, French Provincial.																													
	 "Magnemite" Portables <table> <tr> <th>Model</th><th>Speed in/sec.</th><th>Price</th></tr> <tr><td>610-A</td><td>15/16</td><td>\$275</td></tr> <tr><td>610-B</td><td>17/8</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>17/8-15</td><td>395</td></tr> </table>	Model	Speed in/sec.	Price	610-A	15/16	\$275	610-B	17/8	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	17/8-15	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	17/8	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	17/8-15	395																														
AMPLIFIER CORPORATION OF AMERICA 398 Broadway New York 13, N. Y. (other models available)	 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.																													
	VU "Magnemite"  <table> <tr> <th>Model</th><th>Speed in/sec.</th><th>Price</th></tr> <tr><td>610-AV</td><td>15/16</td><td>\$365</td></tr> <tr><td>610-BV</td><td>17/8</td><td>315</td></tr> <tr><td>610-CV</td><td>3 3/4</td><td>345</td></tr> <tr><td>610-TV</td><td>7 1/2</td><td>365</td></tr> <tr><td>610-DV</td><td>7 1/2</td><td>385</td></tr> <tr><td>610-EV</td><td>15</td><td>425</td></tr> </table>	Model	Speed in/sec.	Price	610-AV	15/16	\$365	610-BV	17/8	315	610-CV	3 3/4	345	610-TV	7 1/2	365	610-DV	7 1/2	385	610-EV	15	425	300- 2,500 cps 100- 3,000 cps 50- 5,000 cps 50- 7,500 cps 50- 7,500 cps 50-15,000 cps	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 1/2" x 9 1/2" x 14". Weight, approx. 19 lb.								
Model	Speed in/sec.	Price																														
610-AV	15/16	\$365																														
610-BV	17/8	315																														
610-CV	3 3/4	345																														
610-TV	7 1/2	365																														
610-DV	7 1/2	385																														
610-EV	15	425																														
"Flyweight Magnemite"  <table> <tr><td>310-A</td><td>15/16</td><td>\$340</td></tr> <tr><td>310-B</td><td>17/8</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> </table>	310-A	15/16	\$340	310-B	17/8	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. 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". Net weight: 8 lb.												
310-A	15/16	\$340																														
310-B	17/8	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> <tr><td>210-B</td><td>17/8</td><td>\$349</td></tr> <tr><td>210-BC</td><td>17/8</td><td>\$369</td></tr> <tr><td></td><td>3 3/4</td><td></td></tr> </table>	210-B	17/8	\$349	210-BC	17/8	\$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	17/8	\$349																														
210-BC	17/8	\$369																														
	3 3/4																															
 "MagneLoop" Continuous Loop Tape Recorder <table> <tr><th colspan="3">SINGLE CHANNEL</th></tr> <tr><td>535-B</td><td>17/8</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>17/8</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> </table>	SINGLE CHANNEL			535-B	17/8	\$345	535-C	3 3/4	365	535-D	7 1/2	385	535-E	15	405	DUAL CHANNEL			536-B	17/8	\$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																																
535-B	17/8	\$345																														
535-C	3 3/4	365																														
535-D	7 1/2	385																														
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536-B	17/8	\$495																														
536-C	3 3/4	515																														
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536-E	15	555																														
"Stereo-Magnemite"  <table> <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> </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																														

Manufacturer	Model and Price	Frequency Response	Data
WEBSTER ELECTRIC — ELECTRONICS DIVISION Racine, Wisconsin	 "Ekotape" Model 320 \$279.50	30-15,000 cycles at 7 1/2" / sec.	Portable, two-speed, dual-track recorder with monomatic single-knob control. Meter 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. Dimensions: 11 x 13 1/2 x 15". Weight, 35 lbs.
	 "Ekotape" Stereophonic Model 330 \$439.50	as above	Similar to Model 320 above, except designed for monaural record/playback and stereophonic playback with stacked heads. Includes two amplifiers for stereo playback — one used for half-track monaural record and playback. Each amplifier has 12 watts maximum output. Weight, 44 lbs. Matching stereo speaker cabinet, including 6" x 9" oval and 3" round speaker, available at \$19.50.
	 "Ekotape" Model 310 A-V Control Center \$399.50	as above	New audio-visual control center for use with any automatic slide or strip film projector. Eliminates need for audible signal. Has two recording heads that record over full width of tape. One records from mike or radio. The other records 1000-cycle signal that operates an automatic projector. Two speeds: 7 1/2 and 3 3/4 ips. Other specifications same as Model 320 above except for following: output, 12 watts; no preamp output jack; microphone is accessory.
	 "Ekotape" Model 340 Stereo Deck \$99.50 Model 342 Stereo Deck \$119.50	as above	New tape decks for stereo recording and playback. Speeds: 7 1/2 and 3 3/4 ips. Monomatic central control for tape direction. Second control for speed selection and on/off. Connections: two record/reproduce, two erase. Automatic stop. Odometer type selection finder. Wow and flutter: 0.2% at 7 1/2 ips, 0.3% at 3 3/4 ips. Dimensions: 12 3/4 x 9 x 7 1/2". Model 340 does not have automatic stop or selection finder. Stereo playback preamp for Models 340 and 342 is \$59.50. Stereo record-playback preamp is \$159.50.
WILCOX-GAY CORPORATION Charlotte, Michigan	 STERecordio Model 800 Stereo Portable \$319.95 Speaker \$69.95 Stereo Record Amplifier \$89.95	40-15,000 cycles (± 2 db) at 7 1/2" / sec.	New portable for monaural record-playback and stereo playback plus stereo record with use of stereo recording amplifier. Speeds: 7 1/2 and 3 3/4 ips. Push button controls. Dual volume controls. Interlock prevents accidental erase. Two neon recording level indicators. Two 5 x 7 oval speakers. Fast forward and rewind: 1200 feet in 2 3/4 min. Integral pointer selection finder. Wow and flutter: 0.3% at 7 1/2 ips, 0.5% at 3 3/4 ips. Signal-to-noise ratio: 35 db. Outputs: two for external speakers. Inputs: microphone and radio/phono plus special jacks for amplifier and bias oscillator. Dimensions: 14 1/2 x 15 1/2 x 12". Weight: 35 lbs.
	 Grundig Majestic Model TK830W/3D \$399.95	40-16,000 cycles (± 3 db) at 7 1/2" / sec. 50-10,000 cycles (± 3 db) at 3 3/4" / sec.	Portable, dual-track recorder with 3 3/4" and 7 1/2" tape speeds. Magic eye recording level indicator. Tape counter, program index. Hysteresis synchronous motor. Flutter and wow, less than 0.1% at 7 1/2" / sec., less than 0.2% at 3 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 lbs.
WOLLENSACK OPTICAL COMPANY 20 E. 21st St. Chicago 16, Illinois	 Model T-1500 \$199.50	40-15,000 cycles (± 3 db) at 7 1/2" / sec.	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 in start 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 lbs.
	 Stereo Model T-1500 \$229.50	40-7,500 cycles (± 3 db) at 3 3/4" / sec.	Stereo model is same as above with built-in lower channel pre-amp added and without built-in automatic head demagnetization.

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.

Manufacturer	Model and Price	Frequency Response	Data
VIKING OF MINNEAPOLIS 9600 Aldrich Ave. So., Minneapolis 20, Minnesota	 "95" SERIES Tape Deck (Prices available on request)	Dependent upon type of heads supplied	Broadcast type recorder designed for professional applications. Available with any of three drive pulleys: 1 1/2" — 7 1/2"; 7 1/2" — 3 3/4"; or 3 3/4" — 1 7/8" ips. Three motors: hysteresis synchronous drive; 6-pole induction torque motors. Space for six interchangeable heads allows head configurations for any tape application. Rewind and fast forward time, 70 sec., for 2400 feet tape. Instantaneous dynamic braking, less than 2 sec., from fast forward or fast rewind. Signal-to-noise ratio: 55 db or better. Wow and flutter: less than 0.1% at 15 ips, less than 0.15% at 7 1/2 ips rms. Deck is available with matching VU Record/Playback Amplifiers, for rack mounting.
V-M CORPORATION Benton Harbor, Michigan	 "Tape-O-Matic" Portable Model 710A \$189.95	40-15,000 cycles (± 5 db) at 7 1/2"/sec.	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. Shipping weight, approx. 32 lbs.
	 "Tape-O-Matic" Stereo/Playback Portable Model 714 \$225.00 "Celeste" Stereo/Playback Table Model 750A \$275.00	40-15,000 cycles (± 5 db) at 7 1/2"/sec.	Portable, two-speed dual-track stereo recorder. "Stacked-staggered" stereo playback switch. Monaural record/playback. Power output, 8 watts. Signal-to-noise, better than 45 db. 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 receptacles. A.C. receptacle. Interlocked push-button controls. Instant pause switch, monitor switch and tape index counter. Separate bass and treble controls. Weight: 32 lbs. Model 750A is a two-speed dual track stereo recorder, similar to Model 714, except with two 8" woofers and a 3.5" tweeter. Blonde or mahogany cabinets. Optional legs convert it to console. Weight: 45 lbs.
	 Webcor "Regent" Model 2910 \$159.95 Model 2820 \$199.95	50-12,000 cycles at 7 1/2"/sec. 70-7,000 cycles at 3 3/4"/sec.	Model 2810 — Portable dual track recorder. Speeds: 7 1/2, 3 3/4 and 1 7/8 ips. Amplifier has five watts peak power. 5" x 7" permanent magnet oval speaker. Signal-to-noise ratio: 45 db. Wow and flutter less than 0.4%. Four-pole motor, numerical tape counter, editing key, recording level indicator, monitor control. Jacks for input, external amplifier, external speaker. Weight: 34 lbs. Model 2820 — same, except with separate pre-amplifier for stereo playback. Additional stereo speaker system required.
WEBCOR, INC. 5610 West Bloomingdale Ave., Chicago 39, Illinois	 Webcor "Royal" Model 2911 \$199.95 Model 2821 \$239.95 Model 4820 (Speaker) \$79.50 Model 2991 \$239.95	50-12,000 cycles at 7 1/2"/sec. 70-7,000 cycles at 3 3/4"/sec.	Model 2911 — Same as Model 2810 except for two speeds (7 1/2 and 3 3/4 ips); "No reel turnover" feature that plays 3, 5 or 7-inch reels in two directions, with head transfer for track change; two speakers: 5" x 7" woofer and 4" tweeter; two recording heads, two four-pole motors; four-way master control. Model 2821 — same, except with separate pre-amplifier for stereo playback. Model 4820 stereo speaker system required. Model 2991 — same as 2911, except with built-in AM radio tuner. Radio may be used independent of recorder.
	 Webcor "Imperial" Model 2827 \$319.95 Model 4728 (Speaker) \$119.95	(as above)	Model 2827 — similar to Model 2821, except with 8-watt peak power amplifier, built-in preamplifier for stereo-phonetic playback using a separate two-section speaker system, Model 4728. Recorder includes built-in 5" monitor speaker. Two recording heads; one monaural record/playback head, the other a stacked monaural and stereo playback head.
	 Webcor "Royal Coronet" Model 2822 \$289.95 Model 2955 \$249.95 Model 2923 \$289.95 Model 4923 (Speaker) \$139.95	40-15,000 cycles at 7 1/2"/sec. 50-10,000 cycles at 3 3/4"/sec.	Model 2822 — Same as Model 2821, except with 8-watt peak power amplifier and three speakers — one 6" x 9" woofer and two 4" tweeters. Weight, 51 lbs. Model 2955 is same as Model 2822 except for additional speed: 1 7/8 ips. Has 5-watt amplifier output, in console cabinet. Add \$10.00 for limed oak, maple or walnut finish. Uses Model 4923 speaker system. Add \$10.00 to speaker price for limed oak or cherry finish. Model 2923 is same as Model 2955 except in console cabinet. Add \$10.00 for limed oak or cherry finish.

Manufacturer	Model and Price	Frequency Response	Data
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. Telephone conversation recorder adapter optional. 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.
AUDIOMATION LABORATORIES 7230 Clinton Rd. Upper Darby 23, Pa.	 PERFECTONE Continuous Tape Player \$730-\$830	40-15,000 cycles at 7 1/2"/sec. 40-8,000 cycles at 3 3/4"/sec.	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.
	 CONCERTCASTER Including Perfectone and amplifier \$835-\$1010	as above	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.
	 A B C (Write to manufacturer for prices)	as above	A. AUTOSPERSER The new Autosperser 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 cues to first commercial when played through. The twelve-station programming cycle repeats automatically. Automatic standby. New Autosperser-24 System available that is identical to standard Autosperser System excepting control panel has 24-station programming cycle. B. CONSECUTOR The Consecutor System is comprised of two Perfectone 8-hour machines and a control panel. For unattended operation in broadcast or wired service. Operating cycle: Machine #1 plays track A, reverses, plays track B, reverses, shuts off, starts machine #2. Machine #2 performs same cycle and restarts machine #1. Automatic standby. Provision for manual operation so that tapes may be changed without interrupting program. C. VARYTAPE 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. Automatic standby.
BELL & HOWELL COMPANY 7100 McCormick Road Chicago 45, Ill.	 Model 600-M Mahogany \$329.50 Model 600-B Blond Oak \$344.50 Model 600-L Plywood \$329.50	50-15,000 cycles at 7 1/2"/sec.	New portable stereo recorder with 7 1/2 ips and 3 3/4 ips speeds. Monaural record/playback and stereo playback. Twin built-in, extended-range, side-mounted 8" speakers reproduce both monaural and stereo tapes. Three-motor drive. Two-position selector dial for monaural/stereo. Push button controls. Fast forward and rewind. Twin record-level indicators. Resettable program indicator. Wow and flutter less than 0.2% at 7 1/2 ips. Harmonic distortion less than 1%. Signal-to-noise ratio exceeds 40 db minimum. Cut-off mechanism automatically stops reel at end of tape on record or playback. Two inputs; microphone; radio/phonograph/TV. Two outputs for external speakers. Weight: 45 lbs.

Manufacturer	Model and Price	Frequency Response	Data
BELL & HOWELL COMPANY 7100 McCormick Road Chicago 45, Ill.	 Model 730GS Stereo Portable \$269.50	50-15,000 cycles at 7 1/2"/sec.	Portable monaural recorder and playback instrument equipped with stereophonic in-line playback head, stereophonic output jack. Tape speeds: 7 1/2 or 3 3/4 ips. Stereophonic playback through companion amplifier speaker, or radio, phonograph, TV with pre-amplifier. Round 10-inch speaker positions 2 ways. Automatic reel stop. 3-motor operations. Rewinds 1200 feet in 60 seconds. Less than 3% distortion at 7 watts. Wow and flutter below 0.2% maximum at 7 1/2 ips. Signal-to-noise ratio above 40 db minimum. Electromagnetic pushbutton controls. Accidental erasure interlock. Accurate resettable program indicator. External amplifier and speaker jacks. Dimensions: 16 1/2" x 17" x 9 1/2". Weight: 39 lbs.
	 Model 775G Portable \$199.95	50-13,000 cycles (±4 db) at 7 1/2"/sec.	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.
	 Model 770G Monaural Portable \$169.95 Model 771 "Stereotone" Stereo Portable \$199.95 Model 076318 Amplifier-speaker \$99.95	as above	Two-speed, dual track monaural portable. Five push-button controls. Two 5 1/4-inch speakers. Tape speeds: 7 1/2 and 3 3/4 ips. Recording level guide. Play and Record pushbuttons interlocked to prevent accidental erasures. Fast rewind: 1200 feet in 80 seconds. Distortion less than 1%. Signal-to-noise ratio more than 40 db. Wow and flutter less than .5%. Input for microphone, radio, phonograph or TV. Output jack for external speaker. Dimensions: 10" x 15 1/2" x 15 1/4". Weight 33 lbs. Model 771 is same as above except for stereo playback head. Has three output jacks: for stereo playback through 076318 amplifier-speaker, for monaural playback through external speaker, for monaural playback through 076318 amplifier-speaker.
BELL SOUND SYSTEMS, INC. 555 Marion Road Columbus 7, Ohio	 Tape Transport T210 \$109.95 T211 \$119.95 T212 \$129.95 T213 \$149.95 T216 \$259.95 T218 \$314.95 RP 120 Record/Playback Pre-Amplifier \$59.95 P100 Playback Pre-Amplifier \$39.95	25-12,000 cycles (±2 db) overall record-playback extends to 15,000 cycles playback only	A basic tape transport providing almost unlimited flexibility. Three motors. Two speeds: 7 1/2 and 3 3/4. Signal-to-noise ratio is better than 50 db. Flutter less than 0.25%. Distortion less than 1%. Has index counter, power off-on switch, piano-key controls, micro-switch automatic stop. Available in following combinations: T-210: monaural record/playback; T-211: monaural and stereo playback; T-212: monaural record/playback and stereo playback; T-213: monaural record/playback and stereo record/playback; (above models require matching pre-amplifiers); T-216: incorporates Model T-212 with P-100 and RP-120 in portable carrying case. Model 218 stereo recorder incorporates T-213 and 2 RP-120 in portable carrying case.
	 Model BT-205-18 Monaural Record with inline Stereo Playback \$224.50	30-12,000 cycles at 7 1/2"/sec.	New 3-motor, dual track portable tape recorder. Two speeds, 7 1/2 and 3 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 1/2 ips. Automatic interlock prevents accidental erasure. Original equipment includes microphone, empty 5" reel and full reel of tape.
	 Model T-207-5 Home Stereo System \$695.50	as above	New home stereo system that includes stereo/monaural tape recorder and two matching amplifier-speakers. Tape speeds: 7 1/2 and 3 3/4 ips. Electro-mechanical keyboard controls. Stereo switch for inline or offset. VU index counter. Three-motor direct drive. Positive braking. Wow and flutter less than 0.2%. Signal-to-noise ratio better than 50 db. Two twin cone 8" wide range speakers. Inputs: two microphone, two radio/phonograph. Outputs: four 4-, 8-, 16-ohms, high impedance, one AC outlet. Recorder in portable case weighs 52 lbs.
DAVID BOGEN CO., INC. P.O. Box 500 Paramus, N. J.	 Model TR-30 \$449.50	40-15,000 cycles at 15"/sec. 50-10,000 cycles at 7 1/2"/sec.	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: 15 and 7 1/2 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 1/4".

Manufacturer	Model and Price	Frequency Response	Data
TELECTRO-SONIC CORPORATION 35-18 37th St. Long Island City 1, New York	 Telectro Model 1980 Stereo Playback Unit \$99.95	50-15,000 cycles at 7 1/2"/sec.	New playback unit for both dual-track and four-track stereo and dual-track monaural. Separate volume and tone controls for each amplifier. Fast Forward and Rewind. Pilot light indicates when set is in operation. Four-pole motor. Inputs: two for connecting kit that converts any monaural phonograph into stereo disc system. Outputs: two for external speakers/amplifiers. Signal-to-noise ratio: 45 db. Output is 6 watts peak from each amplifier. Distortion is less than 2.0%. Dimensions: 15" x 8 1/2" x 11 1/2". Weight: 20 lbs.
	 Telectro Model 300 Stereo Portable \$189.95 Model 350 Portable \$149.95	50-15,000 cycles at 7 1/2"/sec.	New tape recorder for two- and four-track stereo playback and monaural record/playback. Speeds: 7 1/2, 3 3/4 and 1 7/8 ips. Pushbutton controls. Digital counter. Automatic shut-off. Record and record level indicator. Three-way speaker system. Equalization switch. Inputs: microphone, radio/phonograph/TV. Outputs: two for external speaker/amplifiers. Signal-to-noise ratio: 45 db. Power output: 8 watts peak from each amplifier. Distortion less than 2.0%. Dimensions: 16" x 10" x 14". Weight: 29 lbs. Model 350 is monaural. Same as above except for single pre-amp and power amp with push-pull output of 8 watts.
TRUVOX LTD. Truvox (U.S.A.) Ltd. 275 Seventh Ave. New York 1, New York	 Mark IV Tape Deck TR-2106 \$199.50 TR-2116 \$215.00 Type "K" Record-Playback Amplifier \$109.50	40-15,000 cycles (±3 db) at 7 1/2"/sec.	Dual track, dual speed. TR-2106 with timing scale. TR-2116 with precision index counter, both fitted with stacked stereo head. With suitable electronics for monaural record/playback plus stereo playback or monaural record/playback plus stereo record/playback (half-track erase head requires raw tape). 3 shaded pole B.T.H. motors. Wow and flutter: less than 0.2% at 7 1/2 ips. Push button operation, electrical braking, high speed rewind (45 sec. for 7" reel). Automatic tape lifter. Dimensions: 14 1/4" x 12-13/16" x 5". Weight 14 1/2 lbs.
	 Viking 75 Series Tape Decks Model FF75R-LP. Monaural Record/Playback \$ 78.50 Model FF75RM-LP. Monaural Erase/Record/Monitor 87.00 Model FF75SR. Monaural Erase/Record, Stereo Playback 113.00 Model FF75ES. Stereo (In-Line) Erase/Record and Playback 113.00	30-15,000 cycles (±2 db) at 7 1/2"/sec.	Component tape deck offered with a wide variety of interchangeable head assemblies. Features flutter-filter belt drive. Wow and flutter 0.2% rms. Front panel speed change, 3 3/4 and 7 1/2 ips. Split-knob position shift for record/play, fast forward and rewind. For playback, requires preamplifier with low level tape input and NAB equalization. For recording, requires Viking RP61 or equivalent matched record/playback amplifier. (Two RP61 amplifiers and stereo deck serve for stereo recording). All Viking decks may be modified through addition of heads and brackets to provide same functions as other models listed. Decks accommodate three heads and are also available with the quarter track head configuration. 12 1/8" x 8 3/4" x 5" deep. 115V., 60 cycles A-C. (50 cycle models also available). Weight 11 lbs.
VIKING OF MINNEAPOLIS 9600 Aldrich Ave., So. Minneapolis 20, Minn.	 Viking 85 Series Tape Decks Model 85P. Monaural Playback \$ 99.00 Model 85R. Monaural Record/Playback 108.50 Model 85RQ. Monaural Erase/Record, Stereo Playback 132.50 Model 85SR. Monaural Erase/Record, Stereo Playback 143.00 Model 85SRQ. Monaural Erase/Record, Four-Channel Stereo Playback 167.00 Model 85ES. Monaural-Stereo Erase/Record/Playback 143.00 Model 85ESQ. Monaural Four-Channel Stereo Erase/Record/Playback 167.00 RP61 Record/Playback Amplifier \$ 77.50 RP61VU Record/Playback Amplifier 119.00 PB60 Playback Preamplifier 29.50	30-15,000 cycles (±2 db) at 7 1/2"/sec.	The finest home type tape deck in the Viking line. Flutter-filter belt drive. Two motors providing fast forward and rewind. Front panel speed change, 3 3/4 and 7 1/2 ips. Dual rotary control. Inner ring selects "fast forward" and "fast rewind." Outer knob selects normal forward, stop and cue (edit). Footage counter. Space for five heads. Pressure pads provided at three head positions. Tape-lifters remove tape from heads except in play and "cue" positions. Short-gap record/playback heads. Ultra-short gap quarter-track in-line head for the new 3 3/4 ips tapes are available. See "Q" models. Signal-to-noise ratio 50 db. Wow and flutter 0.2 percent or less rms. Use with RP61 Record/Playback amplifiers for recording. Use PB60 preamplifier or amplifier having equivalent (NAB) tape equalization. Tapes recorded on Viking may be played back on any machine having standard NAB equalization. 110v, 60 cycles. (50 cycle models available.) (All 85 Series Viking decks are flexible in that heads may be added to provide special functions such as sound-on-sound recording, stereo monitoring, language teaching, etc.) Dimensions: 9 1/2" x 13" x 5". Weight 12 lbs.
	 Viking Endless Play Cartridge Recorder 35P \$60.00 35R \$67.00 (other models available by request)	40-14,000 cycles at 7 1/2"/sec. 40-7,000 cycles at 3 3/4"/sec.	Portable handler for use with Fidelipac continuous loop tape cartridges holding up to 1600 feet of tape. Single lever control. Speed change control for 3 3/4 or 7 1/8 ips tape speeds. 115v, 60 cycle A-C motor (50 cycle motor available). Accommodates one or two PB60 Pre-amplifiers, or PA62 combination preamp-amplifier, or RP61 Record/Playback Amplifier. 10 1/2" x 9 1/4" x 5 1/4" mounted in case. Weight 5 lbs. Model 35P is monaural half-track playback only, mounted in case. Model 35R is monaural half-track record/playback/erase, mounted in case.

Manufacturer	Model and Price	Frequency Response	Data
SYMPHONIC RADIO & ELECTRONIC CORP. 10 Columbus Circle New York 19, New York	 Model 300 Stereo Recorder and Speaker \$249.95	80-12,000 cycles at 7 1/2" /sec.	New tape recorder and speaker combination for stereo playback, monaural record/playback. Speeds: 7 1/2 and 3 3/4 ips. Two speakers in recorder. Push button controls. Tape index timer. Recording level indicators. Automatic end-of-reel shutoff. Monitor switch. Pause button. Safety switch prevents accidental erase. Output: 3 watts undistorted, 5 watts peak. Wow and flutter: less than 0.4% RMS. Input: microphone and radio/TV/phono. Outputs: two for external speakers. Dimensions: 10" x 15 1/2" x 15". Weight: 36 lbs.
	Model 2 \$249.50		Portable, dual-track recorder with speeds of 17/8 and 3 3/4 ips. Precision Laminar Heads, Microphone, radio/phono inputs; DAMPED Electronic eye recording indicator, clock-type counter, Goodman 5 1/2" x 8" speaker. Wow and flutter below .2% at 3 3/4 ips, .25% at 17/8 ips. Signal-to-noise ratio: 57 db at 3 3/4 ips. 3.5 watts output, distortion under 1%.
TANDBERG OF AMERICA, INC. 10 E. 52nd St. New York, N. Y.	Model 3B \$299.50	30-10,000 cycles at 3 3/4" /sec.	Model 3B is the same as Model 2, except 3 speeds (17/8 ips, 3 3/4 ips and 7 1/2 ips) and improved performance. NARTB Equalization, Wow and flutter below 0.1% at 7 1/2 ips. Signal-to-noise ratio: 60 db at 7 1/2"/sec. Automatic tape stop and BASS switch feature. Frequency response: 30 to 17,000 cycles at 7 1/2 ips.
	Model 3BF \$349.50 Model 2F \$299.50	30-6,500 cycles at 17/8" /sec.	Models 3BF and 2F are solenoid operated versions of Model 3 and Model 2, same specifications, functions, except operates remotely thru a supplied foot pedal.
	Model 3-STEREO \$369.50		Model 3-Stereo is the same as Model 3B, except it has a stereo head and two power playback amplifiers built-in for playback of stereo tapes.
	Model 3 STEREO-4T \$379.50		Model 3-Stereo-4T is the same as Model 3-Stereo except it has Four-Track Stereo head to playback four track monaural and new 3 3/4 ips. Stereo twin tracks.
	Model 4-STEREO \$349.50	30-20,000 cycles at 7 1/2" /sec. 30-12,000 cycles at 3 3/4" /sec.	Model 4-Stereo is the same as Model 3B, except it is 4-track monaural record-playback and stereo twin track playback, one stereo power amplifier and second channel stereo preamplifier built-in (requires one external power amplifier for stereo playback); dual track erase.
	Model 5-STEREO \$399.50	30-6,500 cycles at 17/8" /sec.	Model 5-Stereo has four-track record/playback, stereo twin track playback, two power amplifiers built-in, separate gain controls for each channel. Same specifications as Model 3-Stereo-4T. Accommodates #241 Stereo Recording Amplifier to record stereo.
TELECTRO INDUSTRIES CORP. 35-16 37th St. Long Island City 1, New York	 Telectro Model 938 Price on Request	30-10,000 cycles (±2 db) at 7 1/2" /sec.	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. Adjustable bias. Microphone, bridge and line inputs. Outputs, 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%.
	 Telectro 14" Tape Transport Price on Request	30-15,000 cycles (±2 db) at 7 1/2" /sec.	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.
TELECTRO-SONIC CORPORATION 35-18 37th St. Long Island City 1, New York	 Telectro Model 1970 \$99.95	Flat to about 8,500 cycles at 7 1/2" /sec.	Model 1960. 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-phono. Weight, 15 lbs.
	 Telectro Model 1960 \$79.95	100-10,000 cycles at 7 1/2" /sec.	Model 1970. New two speed tape recorder. Speeds: 7 1/2 and 3 3/4 ips. Single-knob function control for Record and Play. Fast Forward-Rewind switch. Interlock prevents accidental erase. Two speakers. Output: 5 watts peak. Input: microphone, radio, TV, phono. Output: external speaker. Dimensions: 15" x 8" x 11 1/2". Weight: 19 lbs.

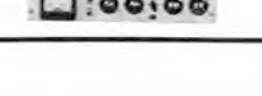
Manufacturer	Model and Price	Frequency Response	Data	
BROADCAST EQUIPMENT SPECIALTIES CORP. P.O. Box 149 Beacon, N. Y.	 Tapak (tape-pack)	Duplex Musicale \$389.25	100-9,000 cycles at 7 1/2" /sec.	The spring-powered equivalent of conventional electric tape recorders featuring the new Gyro Drive mechanical wow and flutter filter for recording serious music. Records, erases, monitors, rewinds at high speed, plays back through built-in 4" x 6" loudspeaker, or will feed an external amplifier or public address system. Has unitized amplifier with transistorized AC bias oscillator for low battery drain and extended frequency range. Speed 7 1/2" per second. Range 55-58 db.
		Duplex Newscaster \$349.50	as above	Newscaster is same as Duplex Musicale without Gyro Drive. Speed 7 1/2" per second (3 3/4" optional).
		Triplex Musicale \$438.75	as above	Same as Duplex Musicale with the addition of a VU meter and 600 ohm output. Serves as a line preamplifier for microphone, or plays back tapes to line at zero level. Speed 7 1/2" per second. Range 55-58 db.
		Triplex Newscaster \$399.75	as above	Newscaster is same as Triplex Musicale without Gyro Drive. Speed 7 1/2" per second (3 3/4" optional).
		Simplex Newscaster \$289.50	100-6,000 cycles at 7 1/2" /sec.	The budget Tapak for general use. Records, rewinds at high speed, crystal microphone doubles as listening device, feeds external amplifier or phonograph input of radio for speaker reproduction. Recording characteristics for NARTB on studio equipment or home recorders. Speed 7 1/2" per second (3 3/4" optional). Range 35-40 db.
	 Pocketape \$349.50	150-6,000 cycles at 7 1/2" /sec. 150-4,000 cycles at 3 3/4" /sec. 150-3,000 cycles at 1 7/8" /sec.	Pocket-size compatible subminiature transistor tape recorder-reproducer. "Investigator" model records at changeable speeds of 1 7/8 or 3 3/4 ips on dual tracks totaling 2 hours or 1 hour respectively on 600' of 1/4" tape. "Broadcaster" model records 90-mil track at 7 1/2 ips for 15 continuous minutes. Erases, records, rewinds instantly and plays back. Interlocks prevent mistakes. Microphone doubles as listening device. Signal-to-noise ratio: 50 db. Motion at 7 1/2 ips suitable for music. Twelve hour motor batteries. Size: 1 1/2" x 4 1/2" x 6 7/8". Weight: 2 lbs.	
CAPITAL RECORDS, INC. Hollywood and Vine Hollywood 28, California	 Model 850 Stereo Portable \$249.95	80-12,000 cycles (±5 db) at 7 1/2" /sec.	New portable tape recorder complete with two external speakers. Records monaurally, plays back monaural and stereo tapes. Speeds: 7 1/2 and 3 3/4 ips. Push-button controls. Stereo balance and hum balance adjustments. Monitor switch, tape runout switch and recording safety lock. Wow and flutter is less than .3%. Signal-to-noise ratio is 42 db. Peak power output: 5 watts/channel. Two external speaker outputs; two inputs for radio-phono and microphone. Dimensions: 15 1/2" x 11 3/8" x 9 1/8". Weight: 42 lbs.	
COLUMBIA RECORDS, INC. 799 Seventh Avenue, New York 19, N. Y.	 Portable Stereo Recorder Model 570 \$249.95	60-12,000 cycles at 7 1/2" /sec.	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. Cases covered with saddle stitched, washable vinyl.	
	 Portable Stereo Recorder Model 575 \$329.95	50-14,000 cycles at 7 1/2" /sec.	Amplifiers have total output of 15 watts. Contains two 8" speakers and two 4" tweeters. Cases are covered with Neolite. Otherwise same as above.	
De JUR AMSCO CORP. 45-01 Northern Blvd., Long Island City 1, N. Y.	 Stenorette Dictating and Transcribing Machine \$179.50	ample for voice communication	A dictating transcribing machine that uses "Mylar" magnetic tape. Push-button controls. Duplicate set of controls on microphone/speaker for start, stop, automatic review, electronic erase and correction. 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. Weight: 12 lbs.	
DELMONICO INTERNATIONAL 42-24 Orchard St. Long Island City, New York	 Saja MK-5 Portable Recorder \$129.95	50-16,000 cycles at 7 1/2" /sec.	New two-speed West German portable recorder. Speeds are 7 1/2 and 3 3/4 ips. Two speakers. Illuminated function indicators. Single knob control. Double effect button for recording over a recording. Automatic end-of-tape shut-off. Magic eye record level indicator. Pause control for record and playback. Lock prevents accidental erase. Dimensions: 15 3/4" x 12 1/4" x 7". Weight: 40 lbs.	

Manufacturer	Model and Price	Frequency Response	Data
DICTAPHONE CORPORATION 420 Lexington Avenue New York 17, N. Y.	 Dictet Portable Recorder \$294.00	200-4,000 cycles	Miniature, dual-track, magazine loaded, magnesium case tape recorder. Powered by two 7-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.
	 Dictatape Continuous Recorder \$3200.00	300-2,700 cycles (±3 db) at 1 7/8"/sec.	Multi-channel recorder that permits simultaneous recording of four separate signals on a standard 1/4" magnetic tape. Up to 16 hours continuous unattended recording. Speed: 1 7/8 ips. Instant start and stop. Six motors. Separate reproduce heads and amplifier provide playback on either unit while recording. Automatic safeguards prevent accidental erase. Harmonic distortion: 5% or less at 1,000 cps. Flutter: 1%. Fast forward and rewind.
ELECTRONIC APPLICATIONS 194 Richmond Hill Avenue Stamford, Conn.	 ReVox C36-2K Monaural Portable \$349.00 Model C-362S Stereo Portable \$399.00	40-12,000 cycles (+1 -2 db) 15,000 -3 db max. at 7 1/2"/sec. 50-8,000 cycles at 3 3/4"/sec.	Single or dual track models; two speeds 3 3/4 and 7 1/2 ips, portable; three motors; separate recording and playback amplifiers; wow and flutter at 7 1/2 ips .15-.20% max.; signal to noise 50 db or better at normal levels; 3.5-watt amplifier; 8" coaxial speaker; push button operation; tuning eye recording level indicator; tape counter; end-of-tape switch-off; connections for external speaker, amplifier, or remote control; up to 10" reels; dimensions: 18 1/8" x 11 1/16" x 13 3/8"; weight: 46 lbs. Model C-36 2S is same as above plus stereo playback; equalized outputs from both channels; cathode followers; no speakers contained.
	 NAGRA III B, C, E (Prices depending on model) \$600.00 to \$850.00	30-15,000 cycles (±2 db) at 15"/sec. 40-12,000 cycles (±2 db) at 7 1/2"/sec. 50-8,000 cycles at 3 3/4"/sec.	Portable, professional, completely transistorized unit, available as model B with three speeds (3 3/4, 7 1/2 and 15 ips) and as model E at 7 1/2 ips. Type B and E contain three heads, model III C has two heads. Speed constancy 0.2% or better; wow and flutter 0.1% at 15 ips or 0.2% at 7 1/2 ips; signal to noise 55 db or better; meter for battery condition and level; outputs 3 volts at 600 ohms balanced; self-contained monitor speaker; "speech" filter built in; all normal mike inputs plus 2 line mixers; motor speed servo-controlled; operates from any 12 volt source or self-contained batteries. Accessories available. Prices depending on model: \$600.00 to \$850.00.
ELECTRONIC TEACHING LABORATORIES, INC. 1818 M St., N. W. Washington 6, D. C.	 MONITOR 2-Channel Portable Model E-3 \$297.08 Model E-3C Console \$280.07 Model E-3CS Console \$273.05	50-9,000 cycles (±3 db) at 3 3/4"/sec.	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. Model E-3CS is same as Model E-3C except for omission of master record and master play selector switch modes.
	 MONITORET 2-Channel Recorder Model E-4 \$247.00	as above	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. Model E-4C for console mounting.
FAMOUS MODEL CO., INC. Melbourne, Fla.	 Privateer Mark VIII \$379.00	to 3,500 cycles at 1 7/8"/sec.	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.

Manufacturer	Model and Price	Frequency Response	Data
REVERE CAMERA COMPANY 320 East 21st St. Chicago 16, Ill.	 Model T-100 \$169.50 Model TR-200 (with radio) \$224.50 Model T-500 \$179.50 Model TR-600 (with radio) \$234.50	85-7,500 cycles (±3 db) at 3 3/4"/sec. 100-5,000 cycles (±3 db) at 1 7/8"/sec.	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 lbs.
	 Model T-11 \$284.50	40-16,000 cycles (±3 db) at 7 1/2"/sec.	High fidelity 10 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 1/2 watt output. Adjustable 70 Kc bias-erase oscillator with indicator. Less than 1/2-second start and stop. Automatic head demagnetizing. Precision revolution tape counter. Electrical remote with automatic drive roller release.
ROBERTS ELECTRONICS, INC. 1028 N. LaBrea Avenue Hollywood 38, Calif.	 Model 90 Monaural Recorder \$299.50 Model 90-S Stereo Recorder \$325.50 Model A-901 Stereo Amplifier \$149.50	40-15,000 cycles (±3 db) at 7 1/2"/sec. 40-7,500 cycles (±3 db) at 3 3/4"/sec.	Portable two-speed recorder with hysteresis synchronous one-motor drive. Locking device prevents accidental erasure. Digital index counter. Wow and flutter, 0.15%. Signal-to-noise: 45 db. Wrap-around tape threading, illuminated VU meter, low and high level inputs. External output jack. Five-watt amplifier; 5" x 7" extended range speaker. Dimensions: 16 x 14 1/2 x 9. Weight, 28 lbs. Model 90-S has same specifications as above except for following. Has stereo record/playback head. Frequency response is ±2 db within the same limits. Has jacks for low level, high impedance microphone input; high level line input; auxiliary speaker or line output; input/output/jacks for each record/play head 2 channels.
	 Minitape Recorder \$494.00	flat to 10,000 cycles at 7 1/2"/sec. flat to 5,000 cycles at 3 3/4"/sec. flat to 4,000 cycles at 1 7/8"/sec.	New version of the Minitape available at single tape speeds of 1 7/8, 3 3/4, or 7 1/2 ips. Operates completely enclosed. External pushbutton for start or stop. Warning light for end of tape. Takes 5" reels, records up to two hours continuously. Battery-operated. Automatic volume control over a 40 db range. Does not contain amplifier/speaker. External amplifier/speaker and other accessories available. Dimensions of the Minitape: 9" x 12" x 5". Weight, including battery: 13 lbs.
THE STANCIL-HOFFMAN CORP. 921 North Highland Ave. Hollywood 38, Calif.	 Stereorecorder Model 555-A Stereo Recorder \$595 Model DK 555-A Stereo Recorder \$525 Model CSS-555-A Stereo System \$775 Model PSC-212 Stereo Speaker System \$189	30-16,000 cycles at 7 1/2"/sec. at 7 1/2"/sec. 50-12,000 cycles (±2 db) at 7 1/2"/sec. 30-10,000 cycles at 3 3/4"/sec.	Portable stereo recording and playback system. Two built-in pre-amp channels, 8 watts power peak per channel. Hysteresis synchronous drive motor utilizing advanced rim drive principle on dynamically balanced flywheel. Two VU meters. Two high-impedance inputs for microphones. Two high-impedance inputs for AM/FM tuners or stereo dubbing. Two low-impedance cathode follower pre-amp outputs. Two speaker outputs. Binaural/monaural headphone monitor output. Instantaneous stop lever coupled to complete editing and cueing facilities. Flutter and wow less than 0.2% at 7 1/2 ips. Signal-to-noise ratio 50 db per channel. Dimensions: 19x16x11". Model DK-555-A is the same as Model 555-A without portable case, microphones or monitor speaker. Model CSS-555-A consists of Model 555-A and Model PSC-212. All series of the Model 555-A are available with 4-track stereo reproducing head at an additional \$75.00.
	 Model 4901 Portable Recorder \$199.95	100-8,500 cycles at 7 1/2"/sec.	New dual speed monaural portable. Speeds: 7 1/2 and 3 3/4 ips. Four knob controls. Single wind and rewind knob. Edit button. Recording level meter. Two speakers. Illuminated dial indicates when amplifier is on. Recording time indicator. Undistorted 2 watts peak. Signal-to-noise ratio, 3.3 watts. Wow and flutter, 40 db. Output for external speaker. Input for microphone and phono-graph. Dimensions: 8" x 18" x 16". Weight: 30 lbs.
SYLVANIA ELECTRIC PRODUCTS, INC. Radio & Television Division 700 Ellicott Street Batavia, N. Y.	 Symphonic Model 210 \$149.95	80-12,000 cycles at 7 1/2"/sec.	Portable dual-track recorder, 3 3/4" and 7 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" x 7" woofer and 3.5" tweeter. Inputs for microphone and radio-phono. Outputs for external speaker and external amplifier. PA system use. Includes crystal mike. Weight, 35 lbs.

Manufacturer	Model and Price	Frequency Response	Data
REED RESEARCH INC. 1048 Potomac St., N.W. Washington 7, D. C.	 Transcriber Model K-3 \$1,100	depends on tape speed	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".
	 Educorder Dual Model M-6A \$335.00	70-7,500 cycles at 7 1/2"/sec. 70-5,000 cycles at 3 3/4"/sec.	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 lbs.
REVERE CAMERA COMPANY 320 East 21st St. Chicago 16, Ill.	 Model T-202 Monaural Portable \$207.50 Model T-204 Stereo Portable \$237.50	40-15,000 cycles (±3 db) at 7 1/2"/sec. 40-8,000 cycles (±3 db) at 3 3/4"/sec.	New two speed portable recorder. Speeds: 7 1/2" and 3 3/4" ips. Two matched speakers with cross-over network. Keyboard control. Automatic safety lock and warning light to prevent accidental erase. Two-level record indicators. Index counter. Automatic stop on tape runout. Appliance power outlet. Drop-in loading head slot. Wow and flutter less than 0.3%. Signal-to-noise ratio greater than 48 db. Model T-204 is the same as Model T-202 except for the addition of stereo playback.
	 Model T-700D \$225.00 Model TR-800D \$275.00 Model T-700 \$235.00 Model TR-800 \$287.50 Model T-10 \$245.00 Model TR-20 \$297.50	40-14,500 cycles (±3 db) at 7 1/2"/sec. 40-7,500 cycles (±3 db) at 3 3/4"/sec. 80-8,000 cycles (±3 db) at 3 3/4"/sec. 60-15,000 cycles (±3 db) at 7 1/2"/sec.	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.
	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	as above	Table models (as above) in solid blonde oak or solid Honduras mahogany. Special pressure relief port for extended frequency range.
	 Model T-1100 \$169.50 Model TR-1200 (with radio) \$219.50 Model T-1120 Stereo \$199.50 Model T-900 \$199.50 Model TR-1000 (with radio) \$224.50	75-12,000 cycles (±3 db) at 7 1/2"/sec. 85-7,000 cycles (±3 db) at 3 3/4"/sec. 85-7,500 cycles (±3 db) at 3 3/4"/sec.	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 lbs.

Manufacturer	Model and Price	Frequency Response	Data
FAMOUS MODEL CO., INC. Melbourne, Fla.	 777 Series Battery Portables Tapo Model 777 (blue) \$295.00 Traveler Model 777-1 (brown) 298.50 Tempo Model 777-2 (gray) 314.00	to cps at 3,500 - 17 1/8"/sec. 6,000 - 3 3/4"/sec. 12,000 - 7 1/2"/sec.	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".
FEN-TONE CORP. 106 Fifth Ave., New York 11, N. Y.	 Fen-Tone Brenell Mark IV Tape Deck Mark IV (monaural) \$144.47 Mark IV/B (stereo) \$182.87	30-15,000 cycles (±3 db) at 15"/sec. 50-12,000 cycles (±3 db) at 7 1/2"/sec. 50-6,500 cycles (±3 db) at 3 3/4"/sec.	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 half-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.
FERROGRAPH RECORDER CO., LTD. Sole U.S. Agents ERCONA CORP. 16 W. 46 St. New York 36, N. Y.	 Custom Installation Model 66/N (3 3/4"-7 1/2" ips) \$399.50 Model 66/H (7 1/2"-15 ips) \$425.00 Portable Model 3A/N (3 3/4"-7 1/2" ips) \$379.50 Model 3A/NH (7 1/2"-15 ips) \$425.00	40-15,000 cycles (±2 db) at 15"/sec. 50-10,000 cycles (±2 db) at 7 1/2"/sec.	Dual-speed, dual-track recorders for portable or custom installation, manufactured by British Ferrograph Recorder Co., Ltd. of London. Accommodates up to 8 1/4" reels. 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. Inputs: Two; 1 megohm and 0.1 megohm respectively. Outputs: Two; 0.75 volts at 0.1 megohm for external amplifier; 15 ohms at 2 1/2 watts (undistorted). 3 motors including hysteresis synchronous drive. "Ferrodexer" counter, clock type with zero setting, factory installed \$20.00 additional. Master control switch for permanent inputs and outputs. Weight: 45 lb.
	 Stereo Model 35/N (3 3/4"-7 1/2" ips) \$475.00 Stereo Model 35/H (7 1/2"-15 ips) \$520.00 "Stere-ad" Unit \$195.00	as above	Model 3S — data on this model identical with 3A Series above except for addition of stereo playback. Signals from stacked stereo head may be fed into external dual amplifiers via an equalization chain for each section or to a "Stere-ad" unit which provides all power output for stereo replay requiring only a suitable speaker system. Weights: Model 3S: 49 3/4 lb. "Stere-ad" unit: 12 1/2 lb.
	 Model 88 Stereo record and playback \$595.00	40-15,000 cycles (±2 db) at 15"/sec. 50-10,000 cycles (±2 db) at 7 1/2"/sec.	Portable recorder for stereo recording and playback 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. Twin recording amplifiers and twin replay preamps terminating at 3 milliwatts across 600 ohms (balanced). Switched VU level meter provides proper recording levels for each track which is served by dual inputs (1 megohm and 0.1 megohm 0.003 V peak and 0.1 V peak respectively). "Ferrodexer" counter, clock type with zero setting, factory installed \$20.00 additional. Weight: 48 lb.
	 E.M.I. Battery Portable \$395.00 Model L2A (3 3/4" ips) Model L2B (7 1/2" ips) Model L2C (15 ips)	50-7,000 cycles (±2 db) at 15"/sec. 50-5,000 cycles (±2 db) at 7 1/2"/sec. 50-2,500 cycles (±2 db) at 3 3/4"/sec.	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.
FILNOR PRODUCTS, INC. 1 Park Avenue New York 16, N. Y.	 Teletape Recorder \$29.95	to 4,000 cycles	Transistorized portable recorder with variable speed control. Operates on four type C flashlight batteries. Plays for 16 minutes with 3" reel containing 300 feet of 1/4" magnetic tape. Erase head can be swung out of the way so that erase is optional. Instant braking, fast rewind, automatic slack take-up. Plays back through headset furnished with recorder. Weight: 2 lbs.

Manufacturer	Model and Price	Frequency Response	Data
GBC AMERICA CORP. 243 Broadway New York 7, N. Y.		GBC PT/12 Recorder \$169.50	75-7,500 cycles at 3 3/4" /sec.
			New dual track, dual speed Italian portable recorder. Speeds: 3 3/4 and 1 7/8. "Picture" push buttons for fast rewind, playback, stop, record, fast forward. Magic eye volume indicator. Built-in loudspeaker. Undistorted power output: 2 1/2 watts. 80 minutes maximum recording time. Size in case: 5 1/2 x 10 x 11. Weight: 12 lbs.
INTERNATIONAL RADIO AND ELECTRONICS CORPORATION South 17th St. & Mishawaka Rd. Elkhart, Ind.		Crown Prince Dual Track \$395.00 With In-Line Stereo Playback Added \$480.00	20-30,000 cycles (±2 db) at 15" /sec. 20-20,000 cycles (±2 db) at 7 1/2" /sec. 20-10,000 cycles (±3 db) at 3 3/4" /sec.
		Crown Imperial Dual Track \$495.00 With In-Line Stereo Playback Added \$580.00	as above
		Crown Broadcaster \$435.00	as above
		Crown O-Matic \$495.00	20-20,000 cycles (±2 db) at 7 1/2" /sec. 20-10,000 cycles (±3 db) at 3 3/4" /sec.
		Crown Royal \$845. Less Case	20-30,000 cycles (±2 db) at 15" /sec. 20-20,000 cycles (±2 db) at 7 1/2" /sec. 20-10,000 cycles (±3 db) at 3 3/4" /sec.
		Gold Crown Prince \$425.00 With Stereo Playback Added \$475.00	as above
		Gold Crown Imperial \$520.00 With Stereo Playback Added \$570.00	as above
		Gold Crown Broadcaster \$509.00	as above
		Stereo-X \$695.00	as above
		Gold Crown Royal \$865.00	as above

Manufacturer	Model and Price	Frequency Response	Data
PREMIER ELECTRONIC LABORATORIES 382 Lafayette St. New York 3, N. Y.		"Tapesonic" Model 70-C \$398.75 Stereophonic Model 70-C B.L. \$446.75	30-18,000 cycles (±3 db) at 15" /sec. 30-15,000 cycles (±3 db) at 7 1/2" /sec. 30-7,500 cycles (±3 db) at 3 3/4" /sec.
		Model PB-17C Tape Reproducing Mechanism \$785.50 Model A-909 Pre-amplifier \$132.00	50-8,000 cycles at 3 3/4" /sec.
PRESTO RECORDING CORPORATION P. O. Box 500 Paramus, New Jersey	Continuous Tape Reproducing Console \$1,118.75		A-520 Pre-amplifier in console cabinet
		800 Series Tape Recorder with Amplifier Monaural Rack Mtg. \$1375.00 Portable \$1480.00 Console \$1649.00 Stereo Rack Mtg. \$1780.00 Portable \$1930.00 Console \$2094.00 Transport only \$993.00	30-20,000 cycles (±2 db) at 15" /sec. 40-12,000 cycles (±2 db) at 7 1/2" /sec.
RADIO CORPORATION OF AMERICA RCA Victor Division Camden 2, N. J.		The Senator Model 8TR2 \$179.95	90-8,000 cycles at 7 1/2" /sec.
		The Diplomat Model 8TR3 \$219.95	70-12,000 cycles at 7 1/2" /sec.
RANGERTONE INC. 73 Winthrop St. Newark 4, N. J.		"Rangerette" Portable Model A-2 \$1500.00 complete	45-15,000 cycles (±2 db) at 15" /sec.
		Console Model R-5C with synchronizer \$4925.00	50-8,000 cycles (±2 db) at 7 1/2" /sec.

Portable professional type three-speed dual track recorder. Three motors, including hysteresis synchronous drive motor. 4 1/2" 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.

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.

Long-playing tape reproducing unit consisting of PB-17C tape transport mechanism. Dynamic range, 45 db.

New professional-type tape recorder featuring sweep loading, automatic tape lift, new type editing function for run-off of unwanted tape, new cue button for hand cueing without motor or brakes, and new solenoid brakes and pressure pulley. Has a direct-drive hysteresis synchronous capstan motor and two torque motors. Three speed ranges of rewind and fast forward. Input can be switched to balanced or unbalanced 600-ohm line, bridging input or microphone input. Illuminated VU meter. Two separate output circuits. Wow and flutter are no more than 0.10% at 15 ips or 0.15% at 7 1/2 ips. Signal-to-noise ratio is 60 db at 1.0% distortion. Distortion is 1.0% (harmonic) at ±18 dbm output from 35 to 15,000 cps. Monaural version with either full- or half-track heads. Add \$50 to stereo prices for two channel version.

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.

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.

FOR SYNCHRONOUS SOUND RECORDING
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.

Kits added to other professional recorders for Synchronous Sound Recording for \$320.00.

Manufacturer	Model and Price	Frequency Response	Data
THE PENTRON CORPORATION 777 South Tripp Avenue Chicago 24, Ill.	 Mercury Model NL-1 \$159.95 Model NL-15 Stereo \$199.95	40-11,000 cycles at 7 1/2"/sec. 40-7,000 cycles at 3 3/4"/sec.	Two-speed portable recorder. Features "Finger-Flite" single rotary 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 7 1/2 ips. Four-pole motor. Inputs: 1 microphone, 1 radio. Outputs: 1 amplifier, 1 speaker. Weight: 25 lbs.
	 Champion Model NL-2 \$219.95 Model NL-25 Stereo \$259.95	40-13,000 cycles at 7 1/2"/sec. 40-7,000 cycles at 3 3/4"/sec.	Two speed portable recorder. Has "Finger-Flite" single rotary control for Play, Record, Fast Forward, Fast Rewind. Features a dual extended range speaker system with crossover network: one 6" round PM woofer, 1 exponential 4" tweeter with solid basket. Head has removable pole piece. Amplifier output is 5 watts. Digital index counter. Automatic braking; magic eye record level indicator. Signal-to-noise ratio is 48 db. Wow and flutter is under 0.4% at 7 1/2 ips. Inputs: 1 microphone, 1 radio. Outputs: 1 amplifier, 1 speaker. Weight: 29 lbs.
	 Aristocrat Model NL-3 \$269.95 Model NL-35 Stereo \$309.95	40-15,000 cycles at 7 1/2"/sec. 40-7,500 cycles at 3 3/4"/sec.	Dual speed portable tape recorder. "Finger-Flite" single rotary control for Play, Record, Fast Forward, Fast Rewind. 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 7 1/2 ips. Head has removable pole piece. Automatic shut-off switch at end of reel. Two high impedance inputs: one high and one low impedance output. Weight: 35 lbs.
	 Emperor II Stereo System Model NL-4 Stereo Recorder \$450.00 Model ES-2 Speaker System \$75.00	40-15,000 cycles at 7 1/2"/sec. 40-10,000 cycles at 3 3/4"/sec.	New home stereo system that can record and play back 2- and 4-channel stereo, and monaural. Speeds: 7 1/2 and 3 3/4 ips. "Finger Flite" single rotary control. Safety interlock record button. Dual pole erase head. Two 4" x 6" oval speakers. (ES-2 speaker system contains six more.) Power output: 20 watts push-pull. Two electron recording beam level indicators. Signal-to-noise ratio: 50 db. Wow and flutter: under 0.3% at 7 1/2 ips. Index counter. Automatic shutoff. Inputs: one for microphone, one for radio/phonograph. (Each jack has two input positions.) Outputs: two for external amplifiers, two for external speakers. Dimensions: 17" x 17" x 11". Weight: 45 lbs.
	 Tape Mechanisms TM-1 Monaural \$84.50 TM-4 Stereo/Monaural \$109.95	40-14,000 cycles at 7 1/2"/sec.	New line of tape mechanisms. Single rotary control for Drive, Fast Forward, Fast Rewind. Two speeds: 7 1/2 and 3 3/4 ips. Signal-to-noise ratio is 55 db. Flutter is under 0.4% at 7 1/2 ips. Head pole pieces are removable. Four standard pin jack outputs. Two AC convenience outlets. TM-1 is for monaural recording and playback only. TM-4 is for stacked and staggered stereo recording and playback plus monaural recording and playback.
	 Dynacord Tape Recorder Mechanism only Full or half track \$645.00 Stereo \$845.00 Pre-amp Studio standard \$130.00 Broadcast standard \$200.00	40-15,000 cycles (± 2 db) at 15"/sec. 40-10,000 cycles (± 2 db) at 7 1/2"/sec.	New professional tape recorder available in full or half track monaural version or stereo version. Two speeds: 15 and 7 1/2 ips. Electrical push button operation. Record interlock. Dynamic braking, automatic shutoff. Automatic monitoring of output simultaneous with recording. Three motors. Hysteresis synchronous capstan motor. Separate constant torque wind and rewind motors. Wow under 0.15% at 15 ips, 0.25% at 7 1/2 ips. Signal-to-noise ratio: over 55 db. Maximum distortion not exceeding 3%. Add \$50 for mechanism case, \$40 for studio standard preamp, \$35 for broadcast standard preamp.
	 LP Magazine R Repeater Model A-1 \$99.95 Model A-2 \$87.95 Model A-3 \$79.95 Model A-4 \$119.95	40-7,000 cycles at 3 3/4"/sec.	New series of magazine repeaters playing a regular loop for 28 minutes, Moebius loop for 55 minutes. Stopping by voice operated relay activated by silence on tape between messages. When applicable, signal-to-noise ratio is 45 db, flutter is 0.5%. A-1 is complete with amplifier, speaker, triggering circuit, case, handle. A-2 is same without triggering circuit. A-3 includes pre-amp, case, handle. A-4 is recorder/playback, speaker, recorder indicator, microphone, case, handle, magazine.
	 Model ST 300 Stereo Recorder \$229.95	40-15,000 cycles at 7 1/2"/sec.	New dual track, dual speed recorder for monaural record/playback and stereo playback. Speeds: 7 1/2 and 3 3/4 ips. Push-button controls. Safety switch prevents accidental erase. Pause control. Automatic shutoff. Index timer. Two internal speakers. Tuning eye recording indicator. Wow and flutter less than 0.5%. Inputs: one for microphone, one for radio/phonograph. Outputs: one for external speaker, one for stereo speaker. Dimensions: 9 1/2" x 15" x 14". Weight: 39 lbs.

Manufacturer	Model and Price	Frequency Response	Data
JAMES INSTRUMENT LABORATORY 9110 South 52nd Court, Oak Lawn, Ill.	 Audikon Model V-12 amplifier and mechanism for rack or console mounting \$595.00 Carrying Cases \$60.00	20-20,000 cycles (± 3 db) at 15"/sec. 30-15,000 cycles (± 3 db) at 7 1/2"/sec.	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 1/2 ips. Signal-to-noise ratio: 48 db at 7 1/2 ips, 54 db at 15 ips. Overall distortion is 1%. Rewind time: 1200 ft. in 40 sec. Mechanism weight: 38 lbs., amplifier: 11 lbs.
KIMBERLY INDUSTRIES, LTD. 1081 Lexington Avenue New York 21, N. Y.	 Phono-Trix Recorder \$99.95	Suitable for voice recording	Variable speed transistorized West German portable tape recorder that operates on four flashlight batteries for 50 recording hours. Speeds variable from 1 to 8 ips. Recording time is 30 minutes on each track of 3" reel of tape at 1 ips. Playback through microphone or speaker. Fast rewind. Color-coded slide button operation. Dimensions: 6 1/2 x 4 3/4 x 3 1/2. Weight: 5 lbs. in case.
KINGDOM PRODUCTS LTD. 514 Broadway New York 12, N. Y.	 Fi-Cord Recorder \$330.00	50-10,000 cycles (± 3 db) at 7 1/2"/sec.	Dual speed, dual track portable tape recorder that operates on batteries. Speeds: 7 1/2 and 1 7/8 ips. Uses 3 1/2" reels that will record 36 minutes per track at 1 7/8 ips. Can be operated closed. Fast rewind. Recording level indicator; battery and motor indicator. Inputs: microphone and radio/phonograph. Output for external speaker. Wow and flutter: 0.4%. Noise level: 35 db. Dimensions: 9 3/8 x 5 x 2 3/8. Weight: 4 1/2 lbs.
MAGNECORD, INC. P.O. Box 7186 Tulsa, Okla.	Model 100 Series Stereo Recorders  WITH FORMICA CASE Mechanical Unit and Pre-amp only \$469.95 Speaker Amplifier only \$159.95 WITH PORTABLE CASE Mechanical Unit and Pre-amp only \$449.95 Speaker Amplifier only \$129.95 WITHOUT CASE Mechanical Unit only \$255.00 Pre-amp only \$165.00 Mechanical Unit and Pre-amp only \$419.95	40-15,000 cycles at 7 1/2"/sec. 50-7,500 cycles at 3 3/4"/sec.	New series of tape recorders for both stereo and monaural recording and playback. Two speeds: 7 1/2 and 3 3/4 ips. Separate channel balance controls. Master level control. Individual VU meters for each channel. Four inputs: two microphone-high impedance unbalanced; two high level auxiliary for tuner, phono, tape. Outputs: two cathode follower, unbalanced. Binaural monitor phone jack. Recording indicator. Wow and flutter: less than 0.3%. Signal-to-noise ratio: more than 48 db. Distortion: 1% at 10-watt output. Formica cases available in walnut, blond and teak finishes. Add \$55 for synchronous motor available for all models except the mechanical unit and pre-amp in portable case.
	 Model 728 (Price upon request)	30-18,000 cycles (± 2 db) at 15"/sec. 40-15,000 cycles (± 2 db) at 7 1/2"/sec. 50-10,000 cycles (± 2 db) at 3 3/4"/sec.	New professional design portable for either stereo or monaural recording. Speeds: either 15 and 7 1/2 ips or 7 1/2 and 3 3/4 ips. Hysteresis synchronous motor. Electrical pay-off and take-up torques. Push-button controls. Tape position indicator. Can be supplied with full track, half track or stereo heads. Two VU meters. Separate record and playback amplifiers. Individual controls for record gain and master gain. Timing accuracy: ± 3 seconds in 30 minutes. Signal-to-noise ratio: better than 50 db per channel. Wow and flutter: 0.1% at 15 ips, 0.15% at 7 1/2 ips. Output: cathode follower. Input: two high impedance and two unbalanced bridges, two low impedance with plug-in transformer. Panel size: 17 1/2 x 13 x 10". Weight: 40 lbs.
	 Model N35-B Four Pole Motor \$299.95 Model N535-B Hysteresis Synchronous Motor \$349.95	Extended range to 12,000 cycles	Recorder and 8-watt power amplifier in composite carrying case. Tape speeds 7 1/2 and 3 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 1/2" x 15". Weight: 40 lbs. Half-track heads standard.
	 Magnecord S36-B Recorder and Preamp. with Case \$415.00 Without Case \$385.00	50-15,000 cycles (± 2 db) at 15"/sec. 50-10,000 cycles (± 2 db) at 7 1/2"/sec.	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. Weight: 40 lbs. in case.

PHILCO CORPORATION

 Philadelphia 34,
 Pennsylvania

Manufacturer	Model and Price	Frequency Response	Data
MAGNECORD, INC. P. O. Box 7186 Tulsa, Okla. (Other models available)	 Magnetic Recording Industries PT6-6A Monaural Recorder Without Case Recorder \$375 Amplifier \$265 Add \$30 for case	50-15,000 cycles (± 2 db) at 15"/sec. 50-7,500 cycles (± 2 db) at 7 1/2"/sec.	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.
	Magnetic Recording Industries PT6A2HZ Stereo Recorder Without Case Recorder \$450 Amplifier \$495 Add \$45 for case		Binaural recording version of above. Same specifications except for three speeds (15, 7 1/2, 3 3/4 ips) with capstan change, 48 db signal-to-noise ratio, and interchannel calibration circuit.
	 Magnetic Recording Industries P75 Tape Transport with case \$575 without case \$535 Amplifier with case \$305 without case \$265	40-15,000 cycles (± 2 db) at 15"/sec. 40-12,000 cycles (± 2 db) at 7 1/2"/sec.	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. For recorders with 50-cycle operation, add \$75.
	Magnetic Recording Industries P75 Stereo Tape Transport with case \$695 without case \$655 Tape Transport with Matched Amplifiers without case \$1,185		
	 Magnetic Recording Industries P73 Tape Transport with case \$575 without case \$535 Amplifier with case \$390 without case \$345	50-15,000 cycles (± 2 db) at 15"/sec. 50-10,000 cycles (± 2 db) at 7 1/2"/sec.	Tape transport mechanism similar to above, but designed for use with P73-J amplifier instead of P75-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. For recorders with 50-cycle operation, add \$75.
	 Magnetic Recording Industries 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	30-15,000 cycles (± 2 db) at 15"/sec. 30-15,000 cycles (± 4 db) at 7 1/2"/sec.	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.
	Magnetic Recording Industries M90 Stereo Record/Amplifiers with case \$2165 without case \$2035 Tape Transport with case \$1455 without case \$1385		
	 Magnetic Recording Industries 817DLX Long Term Recorder Unit \$1,814	50-10,000 cycles at 7 1/2"/sec. 50-5,000 cycles at 3 3/4"/sec.	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.
MAGNETIC RECORDING INDUSTRIES 126 Fifth Avenue New York 11, N. Y.	 Magnetic Recording Industries Model MDA Tape Player/Amplifier \$295.00	to 8,500 cycles at 7 1/2"/sec.	Master distribution amplifier complete with tape drive mechanism. Less than 1/2% total harmonic distortion at 8 watts. Total power output 10 watts. Complete with master meter system measuring proper output signal being fed into student positions. Sufficient capacity to handle up to 200 student positions. Separate bass and treble controls. Three position selector switch permitting instant flipover from tape to living voice (microphone) or to external source (phonograph, shortwave radio, etc.). Complete with 14"x18" master panel.

Manufacturer	Model and Price	Frequency Response	Data
MAGNETIC RECORDING INDUSTRIES 126 Fifth Avenue New York 11, N. Y.	 Synchrotone Dual Language Recorder Model 68-DL \$375.00 Model 68 \$337.00 Model 65B, \$250.00	to 8,500 cycles at 7 1/2"/sec.	Dual recorder-reproducer permitting simultaneous recording on two channels, or simultaneous playback of "master" channel and simultaneous recording on "student" channel; or simultaneous playback of "master" as well as "student" channel. Speeds: 3 3/4 and 7 1/2 ips. Two record-play safety lights. Concealed selector switch for recording on "master" channel (makes student erasure of "master" impossible). Inputs: external line and microphone. Two outputs for headphones. Single volume control for both channels. Shut-off switch for external line. Single knob control; beltless drive. Automatic safety switch prevents accidental erasure during rewind; automatic shut-off switch; footage index counter. Model 68 is identical to Model 68DL except for automatic shut-off switch and footage counter. Model 65B is similar to Model 68 except for belted drive mechanism.
	Synchro-Magneticon Dual Tape-Disc Recorder-Reproducer Model ML-66 , \$275 (in portable case, \$295)	to 8,000 (tape) to 5,000 (disc)	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.
ROBERT C. MERCHANT 2701 Oxford St. Lafayette, Indiana	 Custom Language Teaching Equipment (Prices on request)	50-13,000 cycles (± 2 db) at 7 1/2"/sec.	New Model MC series multi-channel language laboratory recording equipment featuring Mark IV console. Can handle up to 40 students and two teachers. Has cast-aluminum transport with full solenoid controls on all functions. "Piano Key" controls. Automatic shut-off. Automatic selection locator. Start, stop, and rewind by remote control. Signal-to-noise over 45 db. Flutter below 0.2%, Wow below 0.05%. Amplifier designed for language laboratory with preset input and output levels of 1.228 volts for VU meters. Compensated for crystal microphones and earphones as furnished with recorder. Electronic eye recording level indicator. Earphone volume adjustable by student from 60 db to 80 db level. Other series and models available including full transistor versions with automatic volume control.
METZNER ENGINEERING CORP. 1041 N. Sycamore Avenue Hollywood 38, California	 Starlight "120" Stereo Tape Deck \$179.50	40-15,000 cycles (± 2 db) at 7 1/2"/sec.	New tape transport mechanism that records and plays stereo. Two speeds: 7 1/2 and 3 3/4 ips. Hysteresis synchronous motor. Flywheel loaded capstan drive. Index counter. Shielded head. Interlocked controls. Wow and flutter under 0.18% at 7 1/2 ips. Stereo head inductance 400 mhy. for high output voltage. Timing accuracy better than 0.2%. Signal-to-noise ratio: 55 db. Fast forward at 11.7"/sec. Connections to heads at sub-mounted phono-type jacks.
MOHAWK BUSINESS MACHINES CORP. 944 Halsey Street Brooklyn 33, N. Y.	 Mohawk "Midgetape" 300 All Transistorized 1 Battery Operated Pocket Tape Recorder \$249.50	150-5,500 cycles at 1 7/8"/sec.	Portable recorder. Instantly records and plays right back. No electricity required. Battery life 12 to 50 hrs. 4 transistors. Optional internal transistorized loudspeaker. 1 or 1 1/2 hr. cartridge-loaded tape. 3 controls: On-Off, Play-Record and Volume. Wow and flutter, less than 0.7%. Signal-to-noise ratio, 42 db. Input, 2,000 ohms-one mv min. Output, 10 milliwatts at 2,000 ohms. Tape used: 1/4" "Mylar" base, twin track. Supplied with battery, comb. microphone/speaker and 1 hr. tape. Accessories available. Size: 8 1/2" x 3 3/8" x 1 7/8". Weight: 3 lbs.
	 Mohawk Message Repeater Recorder-Playback Unit \$159.50 Playback Unit \$99.50	200-5,500 cycles ($\pm 1 1/2$ db) at 3 3/4"/sec.	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.
NORTH AMERICAN PHILIPS CO., INC. 230 Duffy Ave. Hicksville, N. Y.	 Norelco "Continental" Portable Recorder Model EL 3516 \$269.50 Norelco "Continental" Portable Stereo Recorder Model EL 3516 G/73 \$299.50 Amplifier/Speaker \$95.00	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. 40-16,000 cycles at 7 1/2"/sec. 50-10,000 cycles at 3 3/4"/sec. 60-5,000 cycles at 1 7/8"/sec.	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. 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 1200 feet. Automatic stop at end of reel with metalized tape. Inputs: one radio/phone, one microphone. Outputs: one external speaker, one external amplifier. Dimensions: 16" x 13" x 8". Weight: 30 lbs. Stereo version of above. Same specifications as above except for following. Wow and flutter is 0.15% at 7 1/2 ips, 0.2% at 3 3/4 ips, 0.35% at 1 7/8 ips. Five outputs: three for external amplifiers, one for external speaker, one for monitor. Second amplifier and speaker are in a matching cabinet.