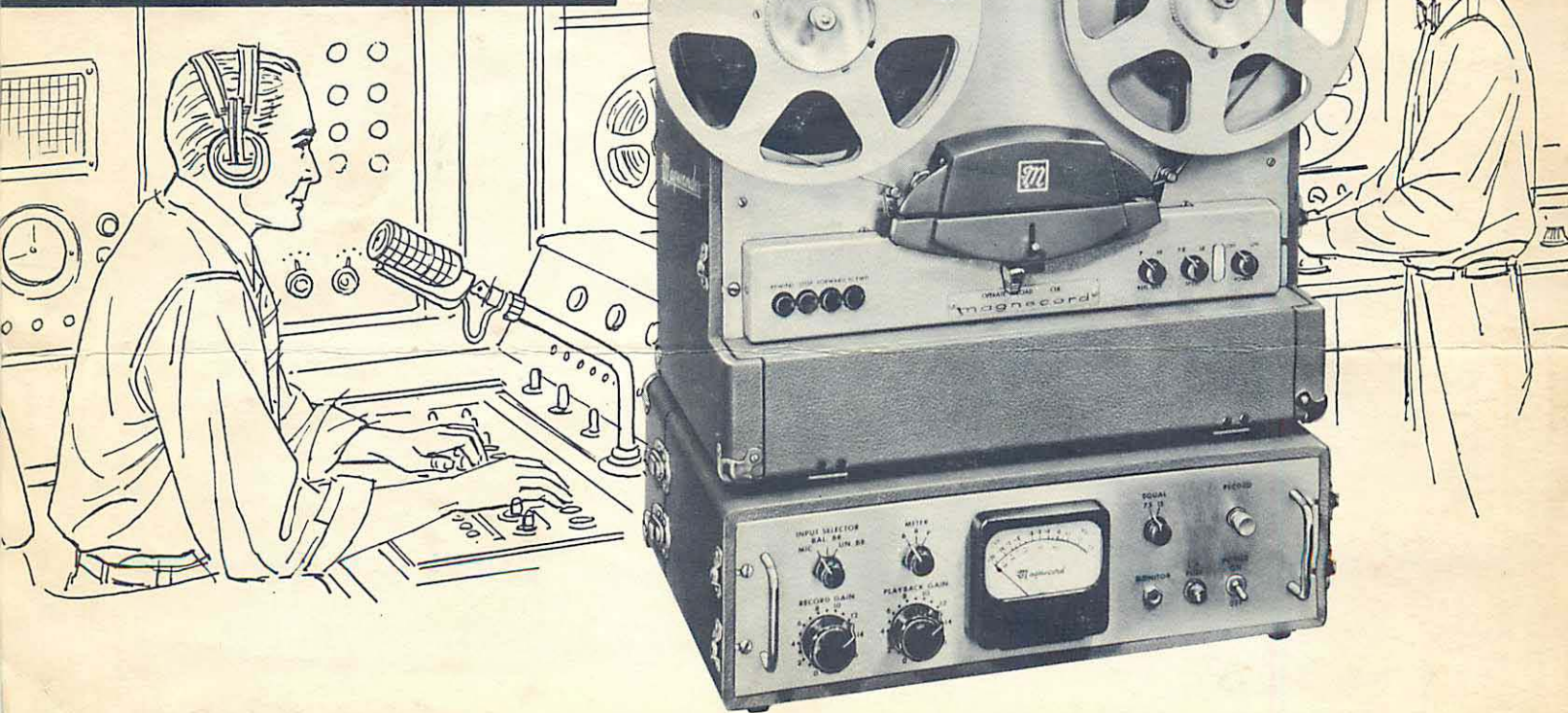


the new

magnecord

M90 series



The **M90AC** ... a completely professional portable recorder

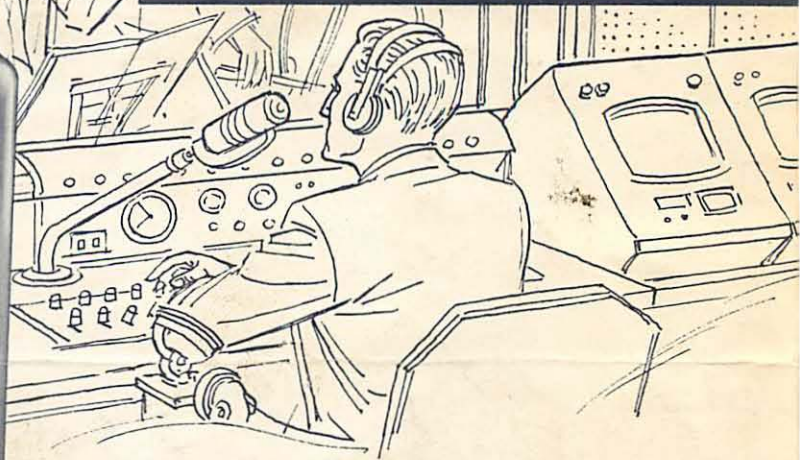
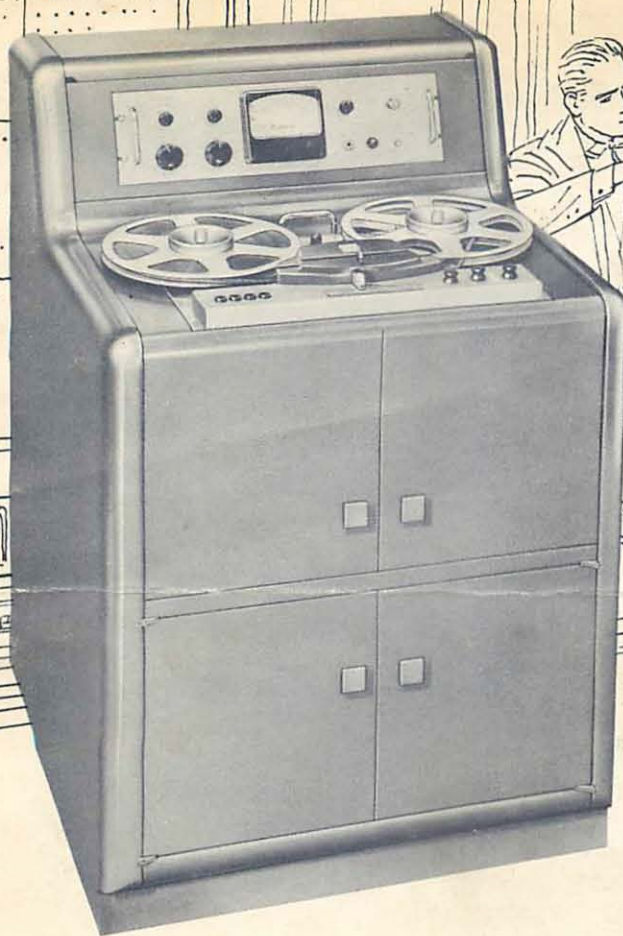
M90 SPECIFICATIONS

Tape Speed	7½ & 15 ips (¾ and 7½ ips available on special order)	Frequency Response	30 to 15,000 ± 2 db 15 ips 40 to 12,000 ± 2 db 7½ ips 30 to 15,000 ± 4 db 7½ ips 50 to 7500—¾ ips
Starting Time	less than 0.1 sec.	Signal-to-Noise	*58 db at 7½ and 15 ips
Stopping Time	less than 2" of tape at 15 ips	Monitoring	phone jack on panel for monitoring
Timing Accuracy	± 3 sec. in 30 min.	Panel	standard 19-inch rack
Flutter & Wow	less than 0.1% max. at 15 ips less than 0.15% max. at 7½ ips less than .3% max. at ¾ ips	Size Amplifier	19 x 5¼
Rewind and high forward	10"—2400 ft. reel less than 55 sec.	Transport Size	19 x 12¼
		Power Supply Size	integral with amplifier panel
		Power Consumption	290 watts
		M90-ACC	Net Wt.: 180 lbs. Size: 28" wide x 28" deep x 41" high
		M90-AC	Net Wt.: 92 lbs.
		M90-ACX	Net wt.: 74 lbs. Size: 19" wide x 17½" high
			*S/N for ½ track is 55 db

magnecord, inc.

1101 SOUTH KILBOURN AVENUE, CHICAGO 24, ILL.

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M90ACC ... the
complete console for
professional use.

The Magnecord M90 incorporates the very latest advances in fine recording techniques. Quick slot-loading and interlocking push-button controls permit instantaneous selection of desired operation with safety and reliability. The tape is automatically lifted from the heads during rewind or "high forward" to reduce head wear to a minimum. Precision-made heads provide extended range to 20,000 cycles per second. High speed cueing control permits cueing during high forward or rewind. Record interlock minimizes danger of accidental tape erasure.

Two-speed direct tape drive system with out-board capstan bearing produces the lowest flutter rate of any professional recorder. Timing accuracy of better than three seconds in thirty minutes is assured through integrated design and torque motor supply and take-up tensioning. Differential band brakes eliminate entirely the danger of thrown tape loops, grabbing or chattering. Interchangeable head assemblies provide for full track, half track or instrumentation. Snap-mounted covers protect the head assembly, yet provide for quick access for editing, cleaning and alignment.

Unitized assemblies permit maximum flexibility and minimize maintenance problems. Separate record and reproduce amplifiers permit simultaneous playback. Direct-coupled

cascode input stages produce maximum signal-to-noise ratio and minimize microphonics. Only the Magnecord has the Audio Cascode. Four-inch VU meter is provided to read record, playback and bias levels. Bias current control provided for maintaining optimum recording conditions at all times. Speed and equalization selection by front panel switches.

A High-Level Mixer is available for M90 equipment, either for rack mounting or installation in the portable case. A small remote control box is also available. This allows complete control of the M90 equipment from any place in the studio. Other accessories will provide for voice-controlled operation or program automation.

The M90 series consists of three models, all conforming to NARTB standards.

The M90-ACC, shown above, is a convenient console which has a unique tip-out arrangement that permits easy access to the components for simple maintenance and service. The M90-AC (shown on reverse side) is a portable professional unit with all of the M90 features in an attractive leatherette-covered carrying case. The M90-ACX is the complete M90 unit, built for rack mounting.

A glance at the specifications will verify that the M90 is truly the recorder for the most exacting professional requirements.

See reverse side for M90 specifications

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