

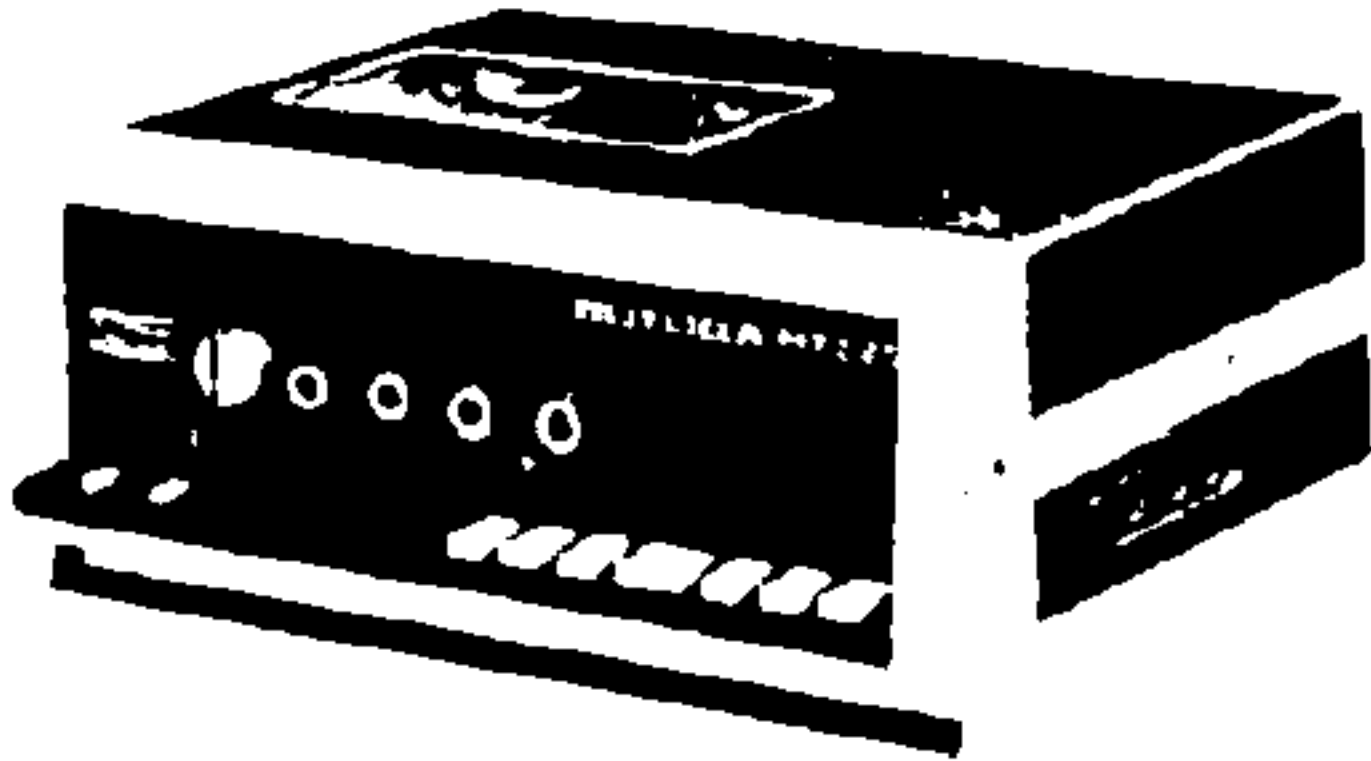
BUTOBA INTRODUCE NEW BATTERY RECORDER

Tape Recording, jul 1966

LATEST of the Butoba battery-operated tape recorders is announced by Denham & Morley who showed a prototype at the recent Audio Fair.

The new model, MT225 (illustrated below), is a two-track, three-speed recorder operating at $7\frac{1}{2}$, $3\frac{1}{2}$ and $1\frac{7}{8}$ ips from battery or mains supply, and features relay push-button switches with feather-light operation.

The frequency range is given as 30-18,000 cps at $7\frac{1}{2}$ ips, 30-15,000 cps at $3\frac{1}{2}$ ips, and 30-8,000 cps at $1\frac{7}{8}$ ips. Wow and flutter are rated as less than 0.1, 0.2 and 0.3 per cent respectively, and signal-to-noise ratio as better than 55 dB at $7\frac{1}{2}$ ips and 50 dB at the other speeds. It will accommodate $5\frac{1}{2}$ -inch spools with the lid closed, providing a playing time of 45 minutes per track using standard-play tape (850 ft.) at $3\frac{1}{2}$ ips.



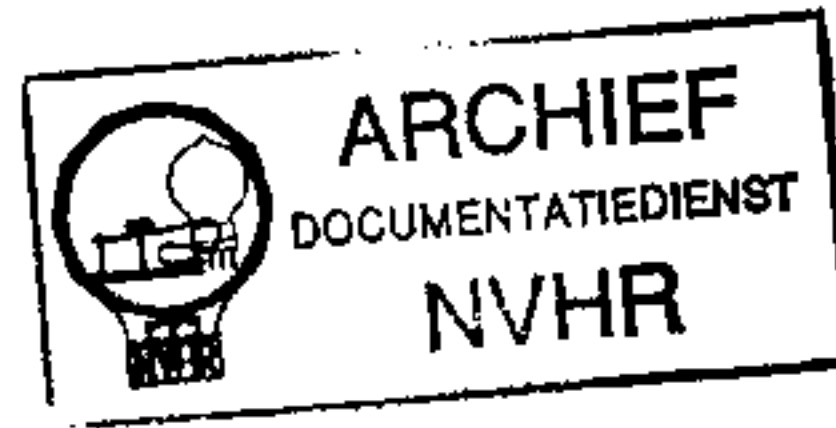
Among the many features of this studio quality recorder are separate record and replay heads and amplifiers providing facilities for monitoring whilst recording (A-B test). Other features include facilities for mixing, echo and reverberation, automatic tape end stop, VU type recording level indicator which also doubles as a battery life indicator during replay, safety erase lock mechanism to prevent accidental erasure, digital rev. counter with zero reset, tone control and powered rewind with remote control switching.

Inputs are provided for dynamic microphone (0.15 mV at 10 K ohms), radio (6 mV at 500 K ohms) and pick-up (500 mV at 1 M ohm). Outputs (500 mV at 10 K ohms) are for extension loudspeaker (4-16 ohms) and dynamic earphones (8-400 ohms). The built-in loudspeaker is a seven-inch round unit handling the power output of two watts. The amplifier includes 21 transistors, ten diodes and zenerdiodes, and one silicon detector.

Power supply can be obtained from eight $1\frac{1}{2}$ volt U2 cells, from two 6 volt "Dryfit" re-chargeable dry cells, a 12-volt car battery, or via the mains converter (110-260 volts, 50-60 cycles, AC mains).

The MT225 weighs 11 lb. (without batteries) and its dimensions are 12 x 10 x 5 inches. The cabinet is moulded die-cast,

Ned. Ver. v. Historie v/d Radio



microphone. The power output is rated at 0.8 watts undistorted from the amplifier which features eight transistors and four diodes.

Measuring $11\frac{1}{2}$ x $10\frac{1}{2}$ x $3\frac{1}{2}$ inches, the Batmain will operate from six U2 cells or via an adaptor from 110-240 volts AC mains supply.

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