

EVENTIDE SHOWS NEW MODEL H949 HARMONIZER AT A.E.S. CONVENTION

At the recent Audio Engineering Society Convention in Los Angeles, Eventide Clockworks introduced their new Harmonizer, Model H949. The unit can change the pitch of an input signal by three octaves (one up, two down), has two outputs, each with 400 milliseconds of delay, a frequency response of 15 kHz, and a signal-to-noise ratio of 96 dB.

As well as pitch change and delay, the H949 has a variety of capabilities, including flanging, repeat, random delay (for automatic double-tracking), and an entirely new effect - REVERSE. The micro pitch change function allows extremely precise, stable settings, ideal for tuning in a late addition to a mix, or for adding 'body' to a vocal or instrumental sound. There is also high and low equalization of feedback,

The H949 Harmonizer has two different algorithms to handle the pitch change 'glitches', so the user can select whichever is optimum for the program material. Algorithm #2 provides, with the possible disadvantage of some 'coloration' of the sound, a glitch-free method of changing pitch by small ratios. Using this algorithm allows modest shifts (roughly between ratios of 0.9 and 1.1), with absolutely NO hard glitches under any circumstances, regardless of the type of program material.

A four-digit pitch ratio readout, red/green LED's for function select, and an input level indicator showing present/normal/limit status help to make the H949 Harmonizer simple to operate. Delay is selected by incremental push-buttons; pitch change is controlled either by a knob (manual mode) or by the HK940 keyboard, which

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varies the pitch in discrete musical steps. Rear panel connectors are XLR type, with tag strip for external control and capstan drives (the unit can be used to control the speed of a tape machine). The H949 is switchable for 115 or 230 volts, and takes 8.89 cm ($3\frac{1}{2}$ "') of rack space.

Delivery of the Model H949 Harmonizer will commence on 1 September 1979.

Eventide will continue to produce the Model H910 Harmonizer (note: the HK940 keyboard can be used with either unit). The price of the H949 is \$2400.