

of other user-oriented features. Among these are tach-controlled motion sensing, which detects motion of the tape when switching from fast speeds to recording or play back, and prohibits tape stretching, breaking, or spillage. Other benefits of



the new 1001 are excellent recording quality due to closed loop dual capstan drive, fast tape threading, and a pause control feature that will hold the tape movement as long as the PLAY control is depressed, very advantageous when recording.

Priced at \$1,695.00, the new 1001 tape recorder/reproducer is available 30 days ARO.

TAPE-ATHON CORP., 502 S. ISIS, INGLEWOOD, CA 90301..

Circle No. 127

THE OMNIPRESSOR FROM EVENTIDE

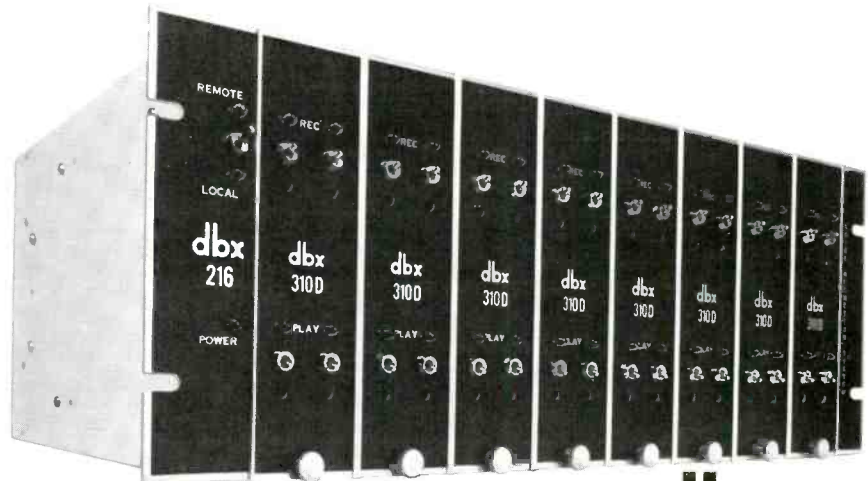
THE EVENTIDE OMNIPRESSOR is a professional quality dynamic modifier. It combines the characteristics of a compressor, an expander, a noise gate, and a limiter in one convenient package. Its unusually wide range of controls allows it to be used in almost any application where program controlled gain change is useful. Additionally, it can generate new effects, such as infinite compression and dynamic reversal. Dynamic reversal makes high level input signals lower than corresponding low level inputs. Musically, this reverses the attack-decay envelope of plucked string and similar instruments, and gives the effect of "talking backwards" when applied to a voice signal.

The OMNIPRESSOR has a continuously variable Expansion/Compression control which goes from an expansion range of 5 to 1 (gate) to a compression range of -5 to 1 (abrupt reversal), and all possibilities in between. Attenuation and gain limit controls adjust the gain control range from a full 60 db to as little as plus and minus 1 db. Thus, with the gain limit set

dbx 216 provides

16 channels of noise reduction in seven inches of rack space. The system improves headroom by 10dB and delivers 30dB of noise reduction. Simultaneous code, decode and bypass functions can be selected at the panel or by remote control. Price, including a spare 310D module, is \$8,200.

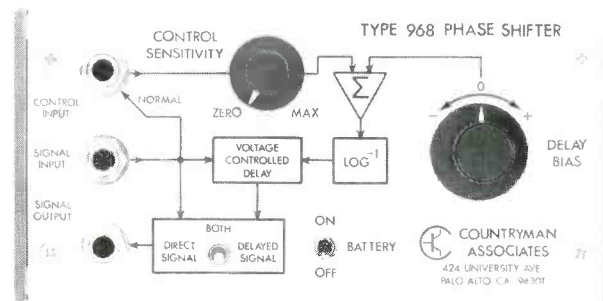
Available from professional audio dealers or direct from dbx, Incorporated, 296 Newton Street, Waltham, Massachusetts 02154.



dbx inc.

Circle No. 128

THE PHASER



Would you use phasing and flanging effects more often if they were less difficult to obtain? Now you can produce these effects without tape machines, reproducibly and with complete control.

The Type 968 Phase Shifter electronically delays an input signal and then mixes the delayed and undelayed versions together. It allows you to add the striking "turning inside out" effect of Phase cancellation to any audio signal live or recorded, in the studio or in performance, in minutes instead of hours.



COUNTRYMAN ASSOCIATES

424 University Avenue
Palo Alto, Calif. 94302
Phone 415-326-6980

Circle No. 129

at 0, the unit can attenuate up to 30 db, but cannot boost the input signal. Depending upon the setting of the compression control, all signals below 0dbm will not be modified (gain increase limited), while all signals above 0dbm will be attenuated at the appropriate ratio. A step-variable time constant control adjusts attack/decay times over an approximate 100 to 1 ratio. A bass cut switch is provided to limit low frequency response in the level detector.



The unique metering system employs a logarithmic amplifier to generate the following useful information:

INPUT: Reads signal level over a 60db range. Input level control may be used to calibrate the meter in absolute dbm.

GAIN: Reads relative gain of OMNIPRESSOR. Shows how signal level is modified over 60db range. Used in setting up limit controls.

OUTPUT: Reads output level in dbm. Red line warns of possible limiting in output amplifier.

An IN/OUT switch is provided to bypass the OMNIPRESSOR when a

return to normalcy is desired. The graph illustrates some of the unusual capabilities of the unit.

EVENTIDE CLOCK WORKS, 265 W. 54TH ST., N.Y.C. 16019.

Circle No. 130

NEW SHURE COMPONENT SOLVES FEEDBACK PROBLEMS

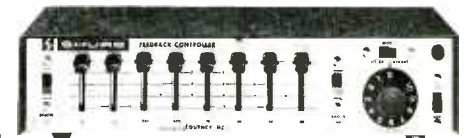
Feedback, one of the most worrisome problems common to sound amplification, now may be drastically reduced through the use of a new dramatically effective component announced by Shure Brothers Inc., Evanston, Illinois.

Called the M610 Feedback Controller, the new unit can be easily added to any sound system for relatively little cost.

In a typical application, the M610 is inserted in the sound system between the preamplifier-mixer and the power amplifier, or between the microphone and the preamplifier-mixer in a single microphone system. Once the M610 is part of the system, its special set of variable depth filters and roll-off switches can be used to smooth out the peaks in the total system's frequency response, so that the system gain may be increased to significantly higher levels before the feedback threshold is reached. The user is able to "tune" the total sound system to correct for the acoustic irregularities of

the room, to gain maximum output — without danger of generating feedback. The M610 provides the basic advantages of room-system equalization, but without the very high cost involved in elaborate, complex equalization equipment.

Other capabilities built into the versatile M610 include variable-control preamplification, which allows the user to raise the overall gain of a sound system after "tuning" the room so a direct before and after equalization, comparison can be made. The M610 may also be used to improve sound quality and increase intelligibility by filtering "problem frequencies" that cause oscillating, boominess and other disruptive resonance in acoustically different rooms.



The M610 is self-contained but can be rack mounted in a standard 19" audio rack, with an accessory rack mount kit. A specially fitted lock-on cover is also available as an accessory to guard against tampering with control settings once they have been optimized. Actual size of the M610 is 2-1/2" high, 12" wide, and 7" deep. Weight is only four pounds.

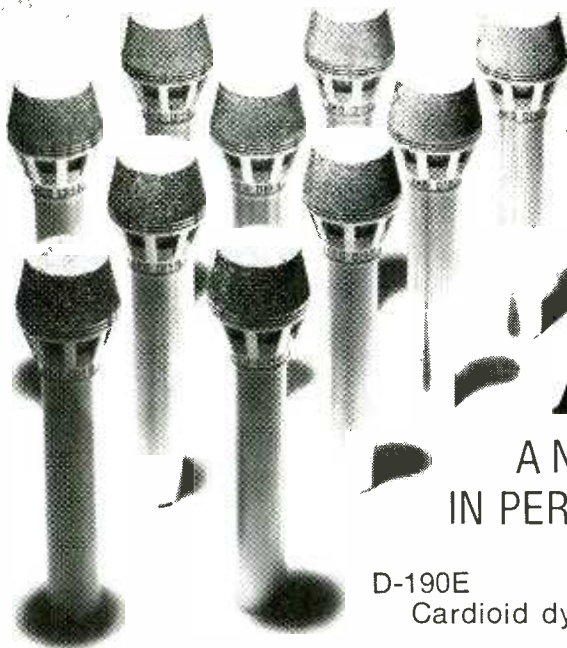
User Net Cost is \$117.00.

SHURE BROTHERS INC., 222 HARTREY AVENUE, EVANSTON, ILLINOIS 60204.

Circle No. 132

PENTAGON HIGH SPEED OPEN REEL EIGHT TRACK DUPLICATING SYSTEM

The new PRO-series 2800 Line is directed towards individuals that are starting up new duplicating facilities or expanding their present operations. The new Pentagon Line offers one of the lowest priced professional 8-track



AKG
A NEW STANDARD
IN PERFORMANCE

D-190E
Cardioid dynamic microphone.

For information on the entire
AKG product line call or write



MICROPHONES • HEADPHONES

DISTRIBUTED BY
NORTH AMERICAN PHILIPS CORPORATION
100 EAST 42ND STREET, NEW YORK, NEW YORK 10017

AKG CANADA • DIVISION OF DOUBLE DIAMOND ELECTRONICS • SCARBOROUGH, ONTARIO

AKG 35