

TEST  
EQUIPMENT



1981  
1982



G O T H A M

Printed in U.S.A. 02811388



741 Washington St., New York, NY 100  
(212) 741-74  
1710 N. LaBrea Ave., Hollywood, CA 900  
(213) 874-44

# HISTORY

It was the 29th of August 1957 when Stephen F. Temmer, founder and president of GOTHAM, was introduced to the NEUMANN Company in Berlin on the occasion of an official visit on behalf of the Voice of America. They amazed him with the very first stereophonic records cut with their equipment, and the rest is history. There followed GOTHAM's appointment as the exclusive U.S. representative for all of NEUMANN's disk cutting equipment, and soon after, this was expanded to include their world-famous condenser microphone line as well.

As time went on, GOTHAM obtained the U.S. and Canadian representations for the products manufactured by BEYER, DANNER, EMT, KLEIN + HUMMEL, LYREC, NTP, PYRAL, STUDER and TELEFUNKEN, most of which GOTHAM still represents to this day.

A West Coast Office, at the corner of Hollywood & LaBrea, was established in 1960 and serves the needs of the enormous recording industry complex in Southern California.

1969 saw a further expansion of GOTHAM into the leasing business with the founding of TELDEN LEASING which has provided venture capital for many of today's most successful disk mastering and plating facilities. Without TELDEN's support, most of them would never have been able to enter these sophisticated technology areas, since the usual financing channels have little understanding for a \$150,000 set-up that cuts master lacquers and which is run by someone in his early twenties. GOTHAM EXPORT CORPORATION was founded in 1972 to take advantage of our world-wide family of representatives, most of whom carry the same lines of professional products. Export has flourished on an unprecedented scale representing such companies as AMBER, FABEC, INOVONICS, LEXICON, MRL, SWITCHCRAFT, UREI, and VALLEY PEOPLE.

In 1973 GOTHAM moved into its own two-story building in the West Village where its staff has available the most modern communications, lab and demonstration facilities.

# PHILOSOPHY

Ever since its founding in 1957, Gotham has tried to be "all things to *some* people," while most other suppliers of our industry try to adhere to the time-worn slogan of "all things to *all* people." In a highly profit-motivated world filled with manufacturers attempting to attract a mass market by watering down good engineering with inferior materials and workmanship, it is good to know that there are still companies of the Old World tradition, owned by people devoted to their craft, who find personal satisfaction in the excellence of equipment made in limited quantity for a discriminating world-wide clientele painfully aware of the *true* cost of inexpensive merchandise.

Many of these manufacturers bear the name of their single owner. Gotham Audio, also a one-man ownership company, devotes itself to engineering advice and the dignified distribution and service of their products. Not price but excellence, craftsmanship and serviceability are the criteria on which Gotham bases its choice of companies to represent.

# LEASING

Gotham's TELDEN LEASING DIV. provides financing for all equipment sold by Gotham and permits packaging of related equipment from other sources under a single financing arrangement. The usual financing and leasing organizations have little understanding for the workings of the recording industry and do not provide venture capital at all. TELDEN is able to evaluate the business acumen of potential clients, and on the basis of this, may make available leasing terms where such might not be possible from other sources. A brochure is available which fully explains TELDEN's leasing program.



741 Washington St., New York, NY 10014  
(212) 741-7411  
1710 N. LaBrea Ave., Hollywood, CA 90046  
(213) 874-4444



# NEUMANN DISK SYSTEM



## VMS 80 Disk Mastering System

Not since 1931, when NEUMANN introduced its first lathe, has the science of disk cutting taken as big a step as it has in 1978. The entire physical and technical design has been catapulted into the space age. Record groove-space economy has been taken to its theoretical limits so that cutting long sides now becomes a lark. Direct servo-loop drive for both turntable and lead screw—fully sequenced and safety interlocked command functions—completely new chip pick-up philosophy—optional high resolution microscope video screen presentation—built-in automatic banding unit—stylus use timer—air cushion shock mounts. The list of improvements is endless. NEUMANN's years of videodisk research has finally paid off for the audio disk industry. We always knew it would. No one else in the disk cutting field has this tremendous advantage.



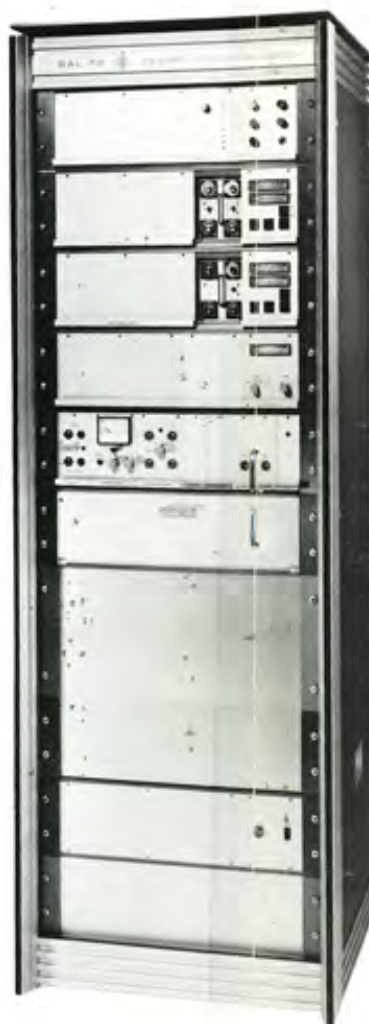
## SP 79C DISK CUTTING PROGRAM CONTROL CONSOLE

The latest in a long tradition of tape-to-disk control consoles. New dual tracking equalizers coupled with automatic A/B switching or segue permit the operator to leisurely prepare the upcoming cut's equalization and level. Totally electronic switching logic, reverb send/receive, second tape machine control for making dubs, vu meters and plasma display dual peak indicator with peak accumulation and display from memory, scope and correlation meter, built-in Neumann U 473 Compressor/Limiter/Expanders with LED level display on each, and all lathe and cutting system function remote controls are logically laid out. A large amount of 19" rack space to add your own choice of accessories may be replaced by an illuminated producer's desk.



## MT 80 Preview/Playback Tape Machine

This special preview model of the TELEFUNKEN M 15A Master Recorder is the perfect source for tape-to-disk transfer. Its continuously variable preview distance provides the exact distance for any combination of tape speed and disk rpm. Its four extremely low-noise playback amplifiers are switched to either IEC or NAB equalization from a single push button. A light barrier provides leader sensing for the automatic banding unit in the SP Program Console. Full tape tension servo, contactless tape deck push buttons, Hall-effect capstan motor, 4200 ft. reel capacity: all these features and more make the NEUMANN/TELEFUNKEN MT 80 the ultimate playback device.



## SAL 74B Cutter Drive Logic

This is the Cutterhead Drive Logic and cutterhead combination that put such well-known companies as Sterling Sound, Artisan, Nimbus 9, Acme Recording, United Sound, Masterfonics, JVC, Woodland Sound, Allen Zentz, RCA, Kendun Records, Atlantic Records, MCA Records, etc., etc. into the forefront of the world's mastering studios. The 600-watt per channel opamp system with its acceleration limiters, computer brain circuit breaker and distortion compensating Tracing Simulator, combines perfectly with the SX 74 Stereo Feedback Cutterhead to provide the sharpest transient response without exposing the cutterhead to danger of destruction. A system that records with ease, levels that cannot be played back with any pick-up.



## SX 74 Dynamic Feedback Stereo Cutterhead

Ever since the model ZS 90/45 ushered in the era of stereo disks in 1957, the NEUMANN Company has kept the faith by spending enormous sums of money on research and development in the field of dynamic feedback cutterheads. The SX 74 is the latest result of their efforts. With a temperature tolerance of 200 degrees C and an improved sensitivity compared to its predecessor of 1.4dB, the SX 74 clearly permits the cutting of velocities which are beyond the ability of any pick-up to reproduce. It performs best with the SAL 74B Cutter Drive Logic, but may be driven by any of the electronics ever built by NEUMANN.

# NEUMANN MICROPHONES

The fet 80 series of phantom powered studio condenser microphones have long been the microphone standard of the world. A simple central powering system has all but eliminated the need for supply boxes on the floor, while utilizing only the standard 3-pin audio connectors which are common to all microphones. The "KM" series of miniature units and the "U" series of large-size studio microphones is augmented by the SM 69 stereo and QM 69 quad microphones, while the KMA lavalier and KU 80 Dummy Head binaural system round out the program.

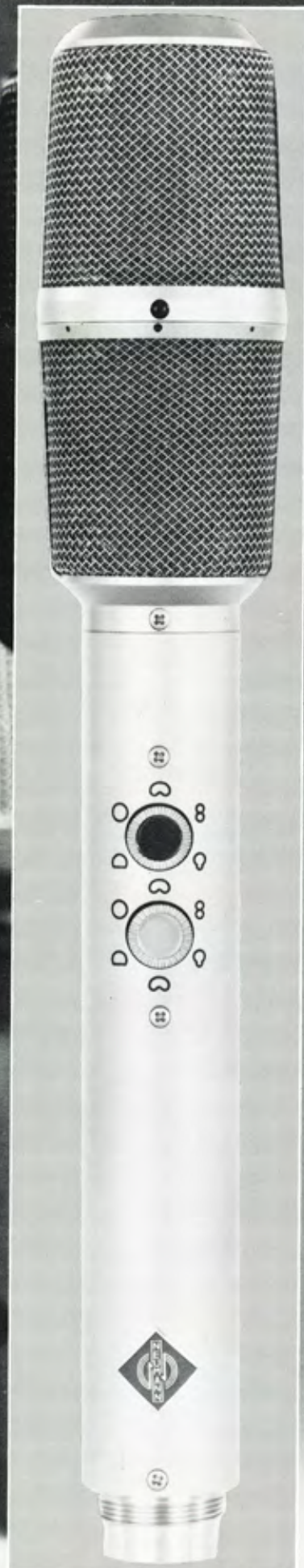
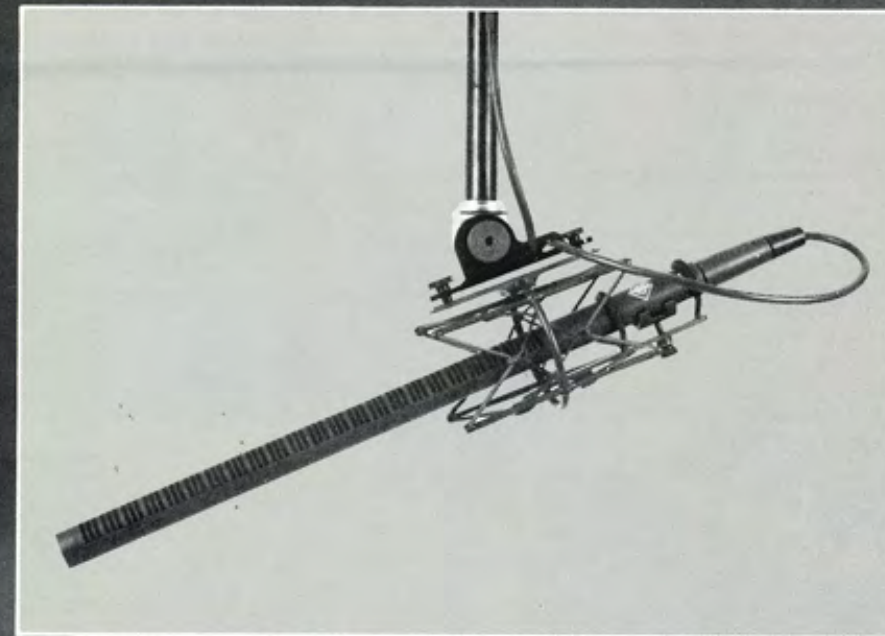
New to the NEUMANN line are three microphones pictured:

**U 89** The most spectacular new issue since the U 87. About a fifth smaller, and virtually identical in looks to the U 87, the U 89 has improved dynamic range, output capability, five directional patterns, two selectable roll-off frequencies for the close-talking switch, and features a completely new capsule, highly impervious to moisture and dirt.

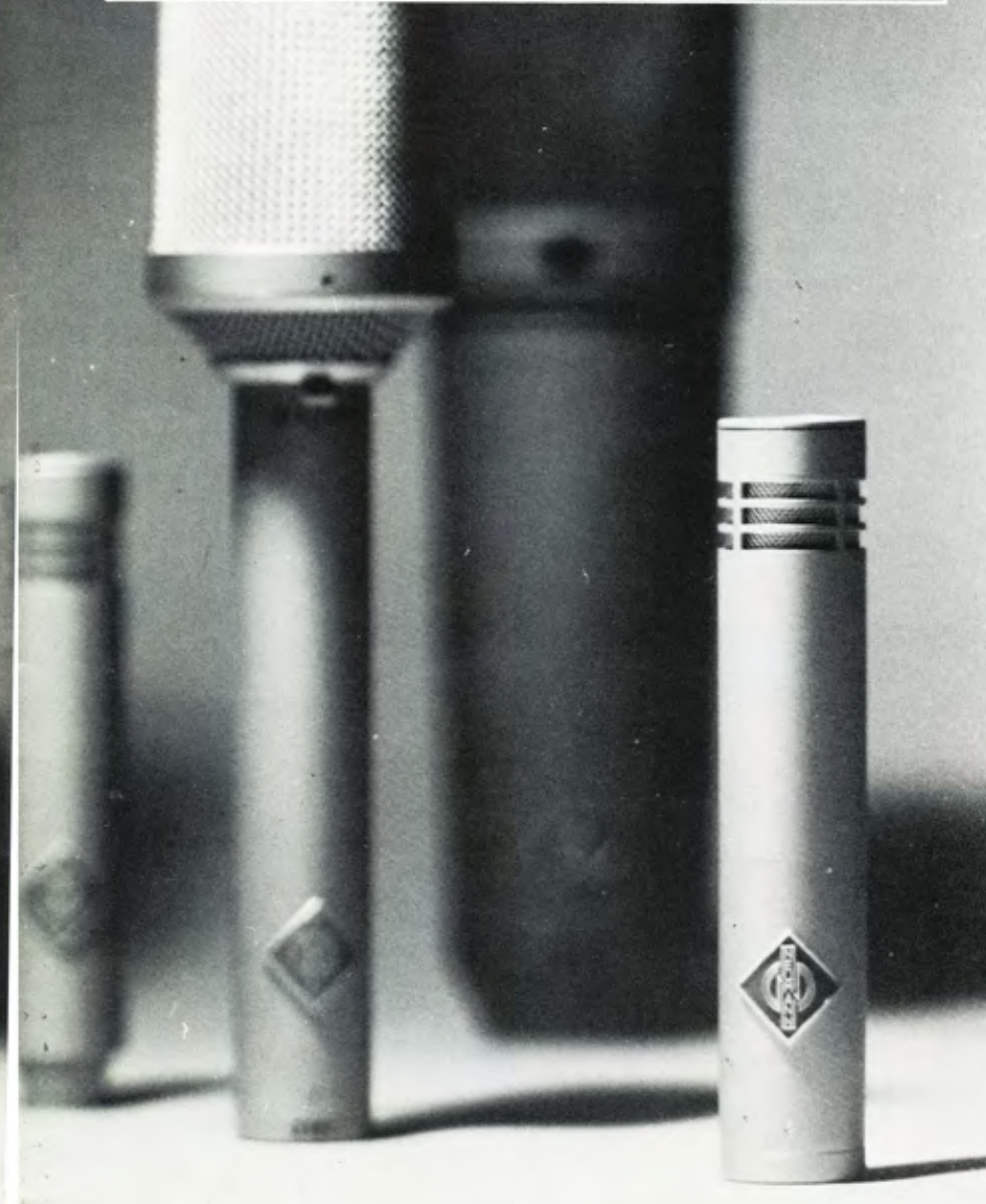


**KMR 82** NEUMANN's first "shot-gun" microphone! In keeping with the NEUMANN tradition: "Last but not best", this unit has improved directional pattern integrity at all frequencies. Accessories include an "active" handle containing battery and voltage converter. Usual suspensions, blimps, etc.

**USM 69** Identical to the SM 69fet Stereo Microphone, but with directional switching built right into the microphone body, eliminating the need and cost for remote selector boxes and supplies. Phantom Powered from powered studio outlets, or any ac supply.



To Scale



# BROADCAST PRODUCTS



### EMT 948 Turntable System:

The latest in the continuing family of professional broadcast turntables. Direct drive, compact, and shock isolated. Integral plastic cover, built-in record illumination; ready for installation into your table or console desk.



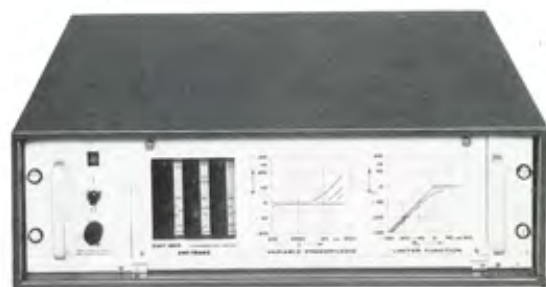
### EMT 930 Turntable:

There are more EMT 930 Turntables in use in the world's broadcasting operations than any other. Built-in line level output preamp for either dynamic or magnetic cartridges. Over 25 years of ruggedness, quality workmanship and operating comfort. And it's still available today!

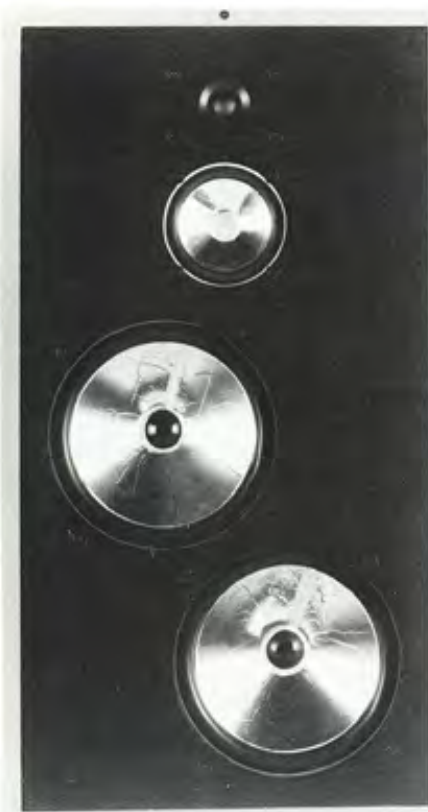


### EMT 950 Turntable System:

The ultimate turntable for broadcasters. Back-cueing, variable speed option, virtually instant start direct drive, cue speaker option and much more.



**EMT 266 Transient Limiter:** A new device aimed at broadcasting, tape and disk recording. Finally a limiter featuring ZERO attack time, assuring that not a single spike gets through. The gain is reduced long before the transient passes. Uses analog delay line to permit forward acting limiting. Mono and stereo versions. Optional "adaptive pre-emphasis" provides RIAA and FM pre-emphasis and adapts it to high frequency signal content.



### K+H-Model 0 92 Super Monitor System

The ultimate tri-amped (240W) loudspeaker system capable of highest sound pressure levels with minimal distortion. Great attention has been paid to accuracy of the distribution pattern at all frequencies. Special plug-in equalizers permit physical location in the middle of a room, at one of its boundary surfaces or in corners.

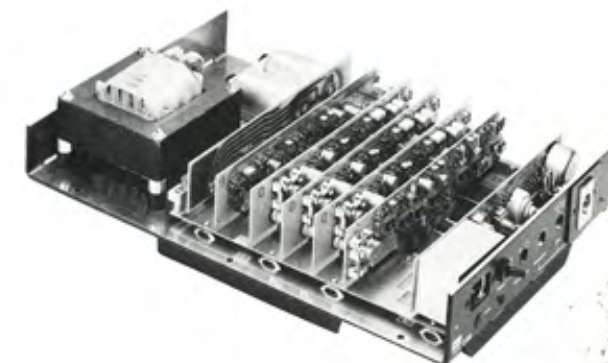


### K+H-Model 0Y Monitor Speaker System

A compact bi-amped (2 X 30 W), equalized, three-way speaker system with balanced bridging line level input. Convenient wall hanger or floor stand available.



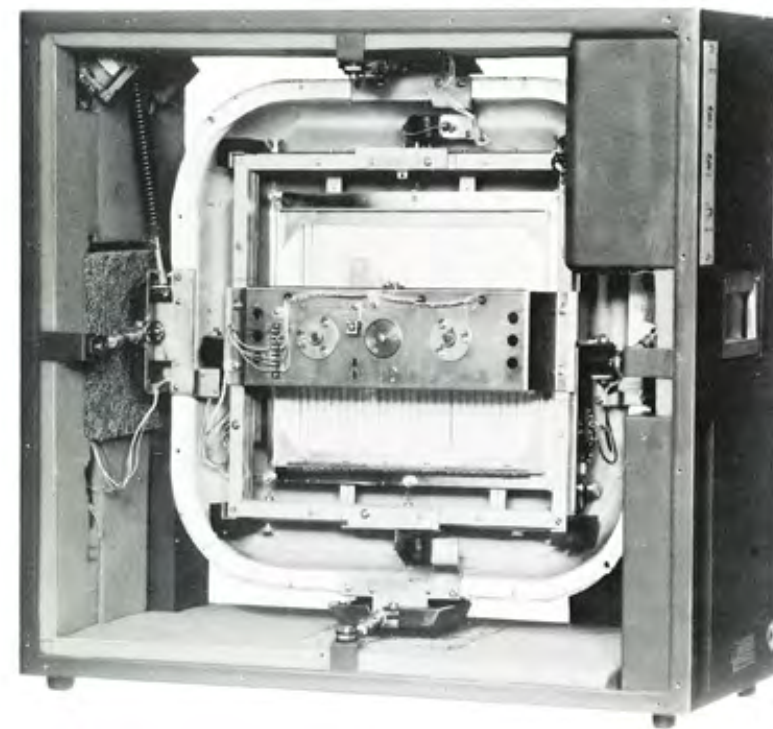
**O 96 Compact Speaker System:** The in between size. 120 W tri-amped, high powered system, just slightly larger than the Model 0Y. Unprecedented quality and power handling for its size. Ideal for remote trucks and field use.





### EMT 251 Digital Reverberation Unit

The dream continues! Fully digital electronic reverberation takes another giant leap ahead with the EMT 251 with extended first reflection delay time, discrete initial dry reflections providing, for the very first time, the ability to vary the room size—something a change of reverb time can never do. A new LCD display panel monitors all parameters in real time. Other effects: 20-second space thriller reverb, chorus, phasing, variable speed repeat echo, and pure delay.



### EMT 240 Reverberation Gold Foil

The successor to the world renowned EMT 140 steel plate Reverberation Unit. One fifth its size, virtually impervious to both mechanical and acoustic interference from the outside, self-contained reverberation time controller, and built-in input signal compressor. Dual inputs and dual outputs produce the only proper three-dimensional reverberation effect for stereo mix-downs.



### EMT 162TS Solid State Stereo Reverberation Amplifier:

Now every EMT 140 Steel Plate Reverberation Unit may be upgraded to ultra-quiet solid state amplification. At least 10 dB greater S/N ratio. "Soft" compressor on the drive side prevents overloads. Fits every EMT 140 starting with serial number 847.



### EMT 245-Digital Reverberator

An off-spring (but not using one) of the "King of the line", the EMT 250 Digital Reverberation System. For the first time packaged as a rack unit with four selectable reverb time vs. frequency curves. Remote controllable using any previous remote controller made by EMT. 0.4 - 4.5 seconds in 16 steps. First reflection delay up to 84 ms.

# TEST EQUIPMENT



## EMT 422—Flutter Analyzer

The latest in the EMT line of sophisticated flutter meters. Self calibrating and usable over a wide range of input levels without level setting need. An accessory plug-in module allows its use in production line testing with GO/NO-GO light indications for pre-selected thresholds.



## EMT 424 Flutter Analyzer

The king of the flutter analyzers! Ideally suited to production checking as well as the most advanced research laboratory. The EMT 424 is unique in many different ways; built-in wave analyzer with automatic filter sweep (pen recordable, of course), timed test interval with meter pointer hold for absolutely objective readability and reproducibility of readings. Gaussian weighting is used for timed measurements. The EMT 424 additionally contains a separate start-up time test section which accurately measures the start-up time of turntables, tape machines and other reproducers.



## LYREC—TIM 4B High Speed Precision Tape Timer

This unique instrument will time any tape in only the time it takes to rewind it, and this with an accuracy of under 3 seconds out of 30 minutes. Manufactured by LYREC in Denmark, it comes in several models suitable for mounting on Ampex or Scully professional decks. The TIM 4B reads directly in minutes and seconds and is mounted on tape decks without drilling. The timer adds absolutely no flutter or tape motion impedance. They are available in 1/2", the 1/2" also covering 1/4" tape width. You may order the timer to read directly at either 7 1/2 or 15 ips.

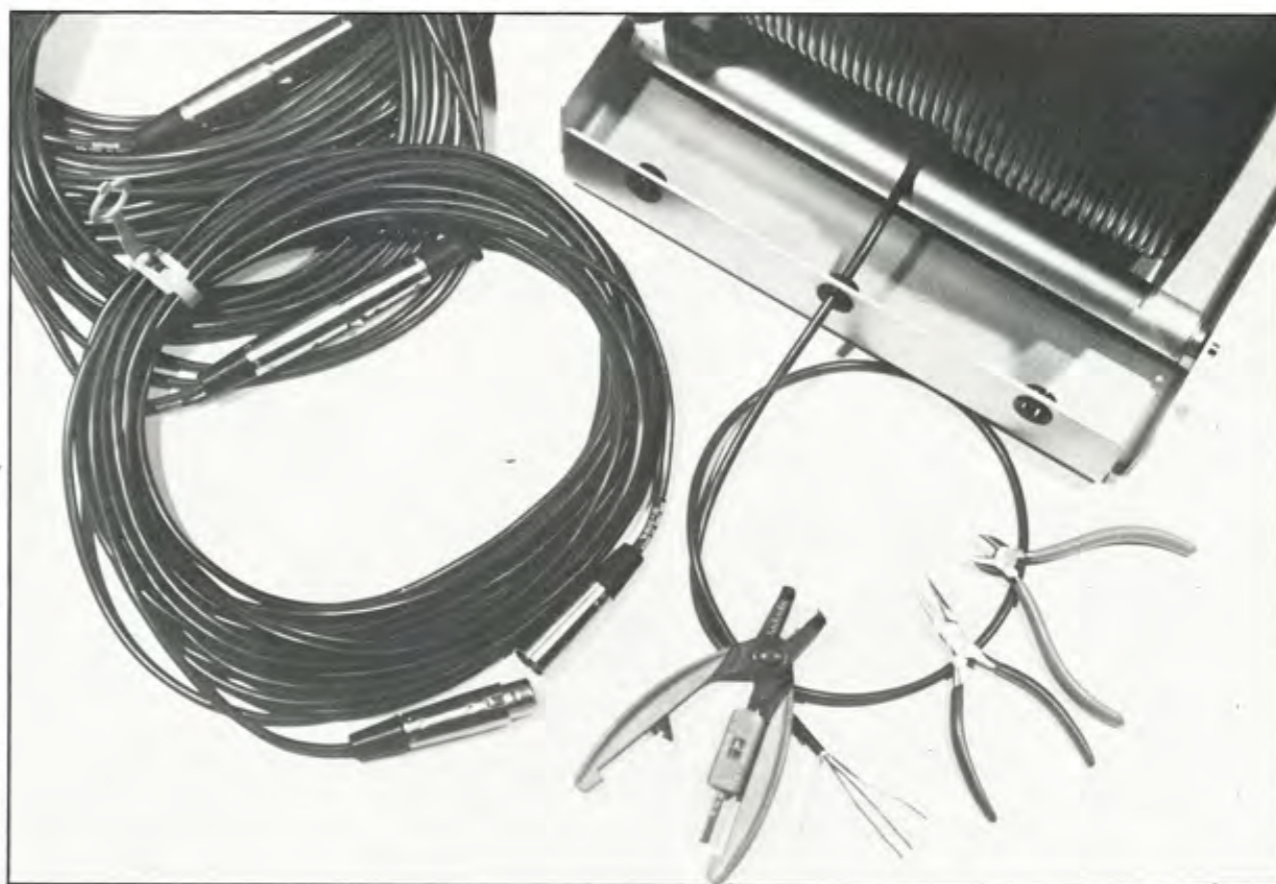


## NEUMANN—RUMS 77 Rumble Meter

The world's only meter for the measurement of IEC turntable and record rumble. Direct cartridge input, IEC/RIAA playback weighting and proper vu meter indications of left, right, vertical and lateral rumble components. A must for service labs and manufacturers of turntables and records.



**BASF PW 384 splicing cassette:** Here, at last, is a long overdue convenience: 500 pre-cut pieces of splicing tape on a backing strip, rolled up in a disposable container which serves up one splice at a time. Tape never dries out! A handy holder to build into desk or console available as shown.



**GOTHAM** imports from Austria double Reusen layer cable made to its specifications. The three-conductor cable assures that phantom powering will never be interrupted when the cable shield parts. Available in super-flexible brown, red, yellow, green, blue, gray, white, and ultra-black, to match the Neumann foam pop and wind screen colors for easy identification in P.A. applications. Each conductor is made up of 96 strands of 0.05 mm diameter copper wire. The highest number of strands in cable commonly available in the U.S.A. is 37 strands!

IC 3 extension cables are available in all colors in 10, 25, 50 and 100 ft. lengths using Switchcraft Q-G audio connectors.

And then there's Gotham's new 10-pair snake cable, featuring color coded, individually jacketed and shielded pairs. Outside diameter dimensioned to fit most multi-pin connector shell cable entries.