

The Best Deal In High-Tech Post Production Studio Equipment Just Got \$1000 Better.



Multi-Track Magnetics is offering up to \$1,000 in Factory Rebates to introduce you to our new #8500 Microprocessor Controlled DC Servo Drive. The #8500's innovative design and advanced internal circuitry means greater reliability and simplified time code interfacing. Multi-Track's two most versatile models, the 104B/DCS Portable Recorder/Reproducer and our 106/DCS High Speed Recorder/Reproducer feature Servo controlled DC Torque Motors, all electronics on one plug-in card. Built-in Pilot Tone Resolve for Recorders; Selectable 24,25,30fps; 16,35mm film speeds, Built-in interlock, manually variable slew control and RS-232 Buss. Both machines are compatible with the new DataKode® System and are available in 16mm, 35mm, 16,35mm or 17.5,35mm formats and all standard track configurations. Order the 106/DCS by October 31, 1985 and receive a \$1,000 Factory Rebate. Order the 104/DCS by October 31, 1985 and receive a \$500 Rebate. With our Factory Rebates, the Best Deal in high-tech Post Production equipment just got even better. Call Nancy Salvatore at (201) 327-9400 for a factory demonstration.

*Rebate offer available only on specific MTM models. Requires 30% deposit, remainder due before shipping. Available as Factory Rebate or as Discount from total list price on new orders placed between July 1, 1985 to Oct. 31, 1985.



106/DCS



104B/DCS

\$500 REBATE ON 104B/DCS PORTABLE RECORDER/REPRODUCER
The 104B/DCS, "Transfer Mate II" is a rugged portable available as Recorder or Reproducer.

\$1000 REBATE ON 106/DCS RECORDER/REPRODUCER
The 106/DCS is a Studio Recorder/Reproducer available in 2x, 6x, and 10x Speeds.

Multi-Track Magnetics, Inc.

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MTM WEST - 6110 Santa Monica Blvd., Hollywood, CA. 90038 (213) 464-6007



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Books, Booklets, Brochures

The **NAB Engineering Handbook**, 7th edition, is available from NAB Services, 1771 N St. NW, Washington, DC 20036, at a price of \$139.50 for NAB members (\$199.50 for nonmembers). The new edition, containing more than 1200 pages, has been thoroughly updated. It includes chapters on a number of standard topics, such as transmission systems and production facilities, as well as new sections on frequency coordination, multi-channel television sound, satellite earth stations and transmitter control, and monitoring. Since its initial publication in 1935, the handbook has been an important reference for broadcast engineers with relevant, practical information on building and operating high-quality production and transmission facilities.

AM Stereo and TV Stereo: New Sound Dimensions, by Stan Prentiss, contains 192 pages and 127 illustrations and is available from Tab Books Inc., Blue Ridge Summit, PA 17214, at a price of \$17.95 hardbound or \$12.45 softbound. The book gives advice on equipment availability and operation and insight into FCC regulations and equipment specifications. The author gives information on the systems as well as on FCC regulatory and electrical evaluations. He discusses multi-channel TV sound, giving an overview of its history and views from other countries.

Longitudinal and Vertical Interval Time Code, 3d edition, a booklet that covers time code in the post-production process, is available upon request from EECO Inc., P.O. Box 659, Santa Ana, CA 92702-0659. The booklet explains the history, theory, and use of time code. Included are sections on the development of the time code, its structure, longitudinal versus vertical time code, guidelines for using it, and a list of EECO's time-code products.

The Professional Video International Yearbook, 9th edition, is available from Link House Magazines Ltd., Dingwall Ave., Croydon, CR9 2TA, U.K., at a price of \$38 (\$50 airmail). The 700-page book lists addresses, phone numbers, and telex numbers for more than 3000 companies. Names of key personnel are also included. A cross-referenced directory of equipment gives manufacturers' specifications. An index of television standards throughout the world is included.

Westrex Advances Film Sound Technology

The new Westrex film sound systems offer the highest signal-to-noise ratio and lowest wow & flutter and distortion figures in the industry. That's why leading film sound recording facilities around the world are choosing the new Westrex technology:

- ▶ The Burbank Studios, Hollywood
 - ▶ Twickenham Studios, London
 - ▶ Colorfilm, Sydney
 - ▶ Pinewood, London
 - ▶ De Lane Lea Studios, London
 - ▶ Hanna-Barbera, Hollywood
- to name just a few.*

DIGITAL MOTION CONTROL

This new microprocessor-controlled facility offers remote system motion controls with two preset controls, reset, freeze frame, return-to-zero, location memory, re-cue, variable speed bus with remote controller and ramped bus outputs of 2400 Hz, 240 Hz, 48 Hz bi-phase with selectable ramping or with direction signal, and SMPTE/EBU time code, all synchronously derived from a crystal source. 24, 25, and 30 frames/second speeds are front-panel selectable and are referenced to crystal, video, or line frequencies. **The master motion control will conveniently interface with other recording and playback systems, even those made by other manufacturers.**

DC SERVO TRANSPORT

Westrex has designed a DC servo transport system which moves the film with remarkable smoothness. Yet film accelerates and stops even faster than previously possible; to follow telecine, video, or multi-track audio recorders with ease. Pulse memory storage keeps track of film position to allow continuous running of the system while one or more

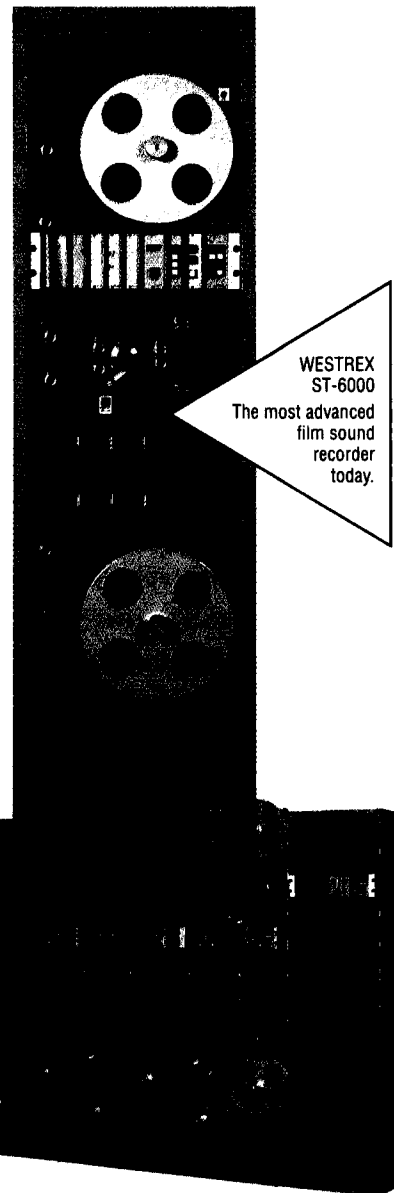
recorders or reproducers are being re-threaded. When ready, it will chase, catch, and lock in sync to the motor bus, whether running at standard or high speeds.

MODULAR AUDIO ELECTRONICS

The audio electronics rack is accessible from the front of the cabinet with each specific function contained in separate easy-to-service modules. This greatly simplifies monitoring and alignment of the system. New audio electronics design yields performance specifications unmatched in the industry.

As a member of the Mitsubishi Pro Audio Group, Westrex provides the film sound industry worldwide with the most sophisticated and modern technology in film sound. With Mitsubishi's technology lead in digital audio recording, Westrex is taking film sound technology toward a new generation of high performance film recording systems.

Call or write for more information about your specific requirements. We offer recorders, reproducers, projectors, and photographic sound recorders in formats from 16 mm to 70 mm.



WESTREX
ST-6000
The most advanced
film sound
recorder
today.

WESTREX
ST-12000
(Six of them),
and custom dual
six-track
electronics
cabinet.

Westrex

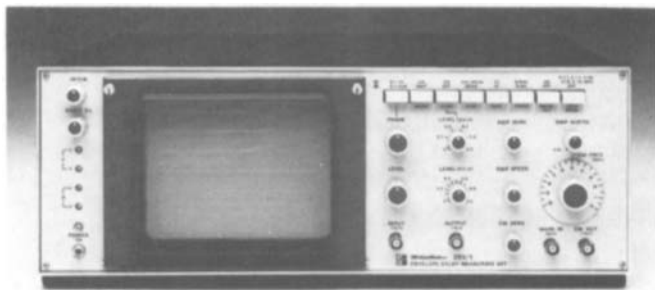
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DIGITAL ENTERTAINMENT CORPORATION

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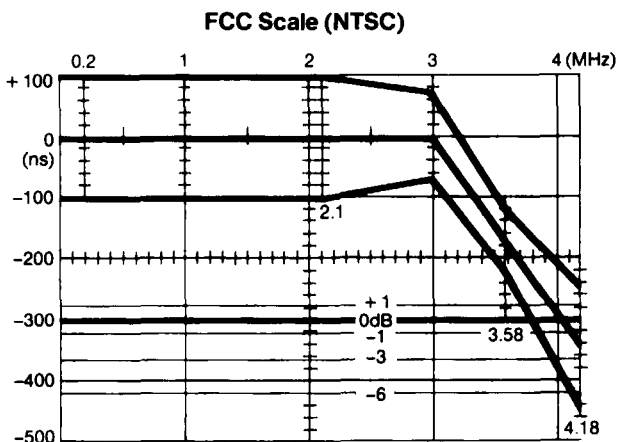
THE TRUE MEASURE OF PERFORMANCE



ASACA/SHIBASOKU 201 Envelope Delay Measuring Set

This compact unit measures the envelope delay in video transmission equipment quickly and accurately. It displays both delay and amplitude response simultaneously on a large, easy-to-read screen. A built-in sweep and CW generator measures delays up to 200kHz-10MHz. An internal sync generator measures systems with clamp controls. Sweep speed control and fixed frequency markers help you take more accurate readings, keeping errors to an absolute minimum.

- Measures from +100ns to -500ns (+50ns to -25ns 2X mag.)
- Internal sweep and CW generator covers 0.1-10MHz.
- Variable sweep rate 1-10Hz.
- 7-inch square CRT readout with FCC graticule facilitates transmitter alignment.
- Provides delay compensation up to 10ns.
- Available in NTSC; PAL B, M, N; and SECAM systems.



Measure your performance with the best.
ASACA/SHIBASOKU 201. Accurate measurement and alignment every time.

For complete specifications, write:



ASACA/SHIBASOKU CORP OF AMERICA
12509 Beatrice Street, Los Angeles, California 90066
Sales, Service: (800) 423-6347 • (213) 827-7144

The 1985-86 Equipment Directory of Audiovisual, Computer and Video Products is available from the International Communications Industries Association (ICIA), 3150 Spring St., Fairfax, VA 22031, at a price of \$37 (\$25 if the purchaser is not commercially engaged in the communications industry). The directory lists more than 2500 audiovisual, video, and computer-based communications systems. It contains 564 pages and 1500 photographs of products of more than 450 manufacturers. Prices, model numbers, and technical details are given. Appendixes contain a directory of dealers, manufacturers, and producers; an index to industry trade names; and charts showing screen sizes, film and tape running times, projector lamps, and video connectors.

Standard Handbook of Engineering Calculations, 2nd ed., by Tyler G. Hicks, Ed., contains step-by-step calculations for solving frequently encountered engineering problems. The revised and updated second edition focuses on more than 5000 direct and related calculation procedures in various technical areas. The book contains 1468 pages and 793 illustrations. It is available from McGraw-Hill Book Co., 1221 Ave. of the Americas, New York, NY 10020, at a price of \$59.50.

Supplying procedures for solving problems in engineering design, operation, analysis, or economic evaluation, the handbook includes both S.I. and U.S. customary units for all calculations. Reflecting engineering developments that have occurred since the book was first published, the second edition contains material on such subjects as solar energy, energy conservation, cogeneration, robotics, optics, aerial photography, project analysis, and electronic filter design. All of the calculations can be used in conjunction with hand-held calculators, microcomputers, or mainframe computers.

The Photonics Literature Showcase, listing 240 brochures, data sheets, booklets, and catalogs published by various companies on optics, electro-optics, lasers, fiber optics, and imaging, is available from the Optical Publishing Co., Berkshire Common, P.O. Box 1146, Pittsfield, MA 01202. A photograph and brief description is given for each item.

The 2500 series of video test pattern generators is described in a 4-page booklet available from Visual Information Institute Inc., P.O. Box 33, Xenia, OH 45385-0033. Each model in the series is illustrated in color and described in detail. Technical specifications are included.

The Audio-Video Pocket Price List, a 20-page catalog of Burlington tape products, is available from Burlington Audio Tapes Inc., 106 Mott St., Oceanside, NY 11572. Each product is specifically described.