

The BTX 4200 is guaranteed to read SMPTE time code reliably at levels down to -18 dBm at any speed from 1/10 to 80 times playing speed.

The 4200 displays large digital characters you can read across the room, and outputs parallel data *plus* serial data *plus* simultaneously regenerated time code.

The 4200 performs with real world SMPTE code better than any other machine at any price. Like BTX comparators, in-video character displays and code generators, the 4200 at \$2,850 is a sensible building block that easily interfaces with and improves the performance of any production system.

For complete information, circle reader service number or contact: The BTX Corporation, 438 Boston Post Road, Weston, Massachusetts 02193 (617) 891-1239.



**Roger J. Lundy** has joined Turk Films, 15 West Delaware Pl., Chicago, IL 60610. A young filmmaker, he attended the American Film Institute where he was involved in feature film work as well as a documentary for the Corporation for Public Broadcasting.

**William B. Martin** has been appointed Sales Representative for RCA Broadcast Systems. He joined RCA in 1961. He became Vice-President and General Manager of WINL-AM-FM-TV in 1972 and later became associated with International Video Corp. He rejoined RCA early in 1977. In his new post with headquarters in St. Louis he will be responsible for the sale of RCA's complete line of radio and television studio and transmitting systems in Missouri, Iowa and Southern Illinois.

**Philip N. James** has been appointed to the new position of Director of Administration and Planning for DeLuxe General, Inc., according to an announcement from Robert T. Kreiman, President. James was formerly with Technicolor and the American Cyanamid Company as a research scientist. Most recently he held the post of Director of the Idyllwild Campus of the University of Southern California and was also a consultant to WESRAC, a NASA technology transfer center. In his new post his responsibilities will include general administration and developing plans and procedures. He will also serve as technical and administrative liaison with DeLuxe's foreign affiliates.

**D. Gerald Smith** has been appointed RCA Broadcast Systems sales representative for Nevada, Utah, southern Idaho, Oregon and northern California, according to an announcement from J. E. Hill, Division Vice-President and General Manager. Smith's offices are in San Francisco. Before joining RCA he was with the Rocky Mountain Corp. for Public Broadcasting and with the Federation of Rocky Mountain States educational program satellite broadcast project.

#### Books, Booklets, Brochures

**Low-light, high-sensitivity television systems** are described and illustrated in a booklet entitled *Cohu Reference Data — High Sensitivity Television Cameras in Low-Light Applications* published by Cohu, Inc., Electronics Div., Box 623, San Diego, CA 92112. The booklet defines the parameters of high-sensitivity closed-circuit TV surveillance systems and provides specific data to assist users in selecting a system to meet their needs. The booklet is intended to serve as a low-light television reference for both technical and nontechnical persons. The full low-light spectrum is covered, including an introduction to TV surveillance, illumination sources, scenes to be televised and television systems.

**The Royal Netherlands Embassy** has made available a catalog of free loan 16mm films. The catalog, listing films depicting life in the Netherlands, is available upon request from Association Films, Inc., 866 Third Ave., New York, NY 10022. Thirty-eight films covering a wide range of topics are listed in the catalog. Representative of the collection are such films as *Vincent Van Gogh; Rembrandt, Painter of Man;* and *The Voice of the Water* showing the people's relationship to the sea.

**The Winter 1977 issue of Beseler Limelight** is available upon request from Charles Beseler

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Since then, we've made some changes. Added more features. Expanded the BVH concept to include a portable model, the BVH-500, for professional 1" production in the field.

And we've sold a lot of machines.

If you're considering the move to 1", consider the advantages of the BVH-1000.

**1. The Advantage of Shared Sector Scanning.** The Sony Broadcast BVH-1000 and BVH-500 both use an exclusive system of scanning that records video and sync (lines 1-17) with separate heads. Which means the entire vertical interval is captured and available for encoding any signal required in the future by the FCC.

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**2. The Advantage of BIDIREX.** Film editing techniques, with a professional video recorder?

That's what you get with the BVH-1000. Not one, but two control modes are provided to give editors a true "film" feeling. In shuttle mode, the tape can be moved in either direction, from stop to 30 times normal speed. With a recognizable picture, so you can make fast editing decisions.

In jog mode, the BVH-1000 lets you move the tape as though you were positioning the reels by hand—while you monitor a fully locked picture.

**3. The Advantage of Interchangeability.** 1 dB down is the specification. Need we say more?

Sony's interchange is guaranteed by a gimmick-free devotion to precision mechanics and supported by the experience of building several hundred thousand video recorders.

**4. The Advantage of Color Framing.** Some high end production recorders don't offer color framing. Others make it available as an expensive option.

But both the BVH-1000 and BVH-500 provide color framing capability as standard equipment. Add that to a logic system ideally suited for computer assisted editing, and the Sony BVH-1000 is your best bet to produce that "word from our sponsor."

**5. The Advantage of High Fidelity Audio.** Not one, not two, but three isolated audio tracks with frequency response from 50 Hz to 15 kHz. With over 50 dB isolation between tracks.

Never before has any production recorder offered the level of audio quality found in these two new Sony Broadcast machines.

And a special wide band amplifier is automatically switched onto the cue track in search mode, to accommodate SMPTE code playback in high speed.

But it is impossible to describe all the advantages of the Sony BVH-1000 and BVH-500 high band recorders. You must see them to believe them.

Contact Sony Broadcast today, and ask for a demonstration. You'll see why networks and production companies alike are buying this remarkable new recorder.

## Sony Broadcast

Sony Corporation of America, 9 West 57 Street, New York, New York 10019  
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Company, 8 Fernwood Rd., Florham Park, NJ 07932. This is the second issue of a publication devoted to news of advanced multi-media technology for audiovisual, training and selling programs. The publication includes stories stressing the versatility of the Beseler Cue/See, a system that combines audio and visual media and allows active response on the part of the trainee.

**Audio products** manufactured by the British firm, Penny & Giles Conductive Plastics Ltd. are listed together with specifications and illustrations in a 30-page catalog available from the Penny & Giles United States office at 1640 Fifth St., Santa Monica, CA 90401. Items listed include the 1500 series fader and the new 1100 and 1900 series faders. Also described is the new

Joystick Quadraphonic Pan Potentiometer. The device accepts a single channel input signal and divides it into four outputs each representing the sound level needed in each speaker of a quadraphonic system. By moving the joystick the operator can position the effective source of the sound in any part of the room that he chooses.

**Laboratory processors and accessories** are illustrated and described in a 32-page two-color catalog available upon request from Treise Engineering, Inc., 1941 First St., San Fernando, CA 91340. Eight different processor models are covered including the Miniflex, the MTV Series and the high-volume M-180 and M-280 processors. The catalog also includes an extensive chapter on accessories and parts and contains such features as a film speed comparison chart,

film roller specification guide and a squeegee combination chart for various applications.

**Rotating choppers** with replicated mirrors are described in a two-page illustrated bulletin available from Valtec Precision Optical Div., 869 W. 17 St., Costa Mesa, CA 92627. The two-vane aluminum choppers have  $90^\circ \pm 15$ -ft blade openings. The mirror surfaces are flat to 1 wave and are protected by a coating of SiO. The replicated mirror surfaces are fabricated as an integral part of each vane. Applications include multi-blade reflex motion-picture camera shutters and also as laser beam/light beam reflectible modulators.

**E-mu Systems**, 3046 Scott Blvd., Santa Clara, CA 95050, has announced availability of a 90-page manual discussing the intricacies and sound synthesizing potential of modular electronic music synthesizers. The manual is priced at \$5.00.

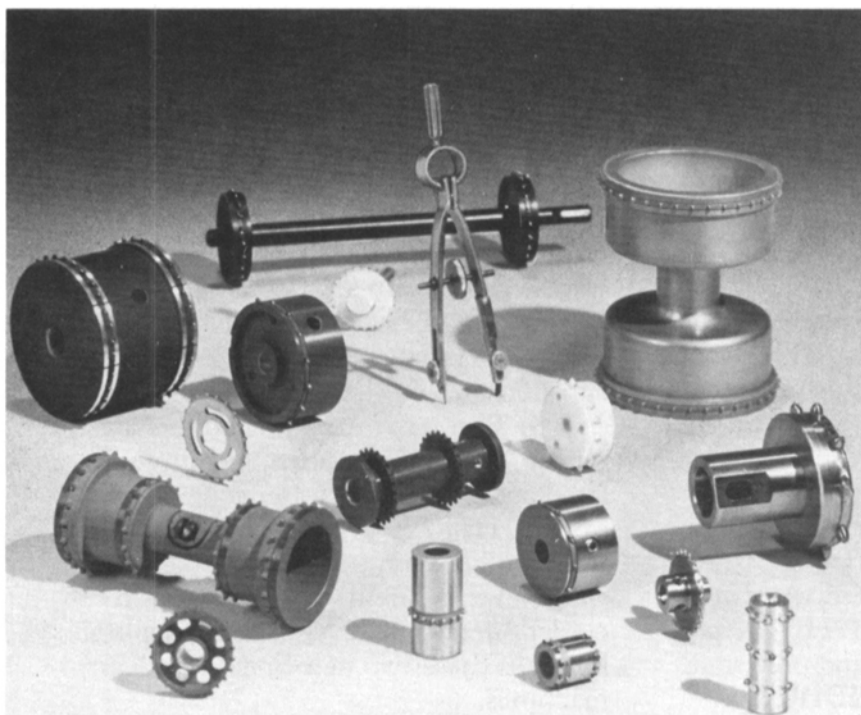
Prepared as a catalog/manual describing the various modules and possible uses of the E-mu Modular Music Synthesizer, the publication lists 37 module types and a great number of possible configurations.

**The Memorex line** of audio-video products for the professional user is illustrated and described in a 4-page brochure available upon request from Memorex Corp., Professional Audio-Video Div., 1200 Memorex Dr., Santa Clara, CA 95052. Included in the brochure is information on the Memorex  $\frac{3}{4}$ -in, 500 Oe videocassette line; the MRX 716 Quantum line of helical scan reel-to-reel tape, a 500 Oe tape recently introduced by Memorex; and the MRX 80 line of 300 Oe helical scan reel-to-reel tape. Professional audio products listed include the Audio Training Cassette (ATC), the Audio Training Reel (ATR) and the Instant Recording Cassette (IRC).

**A catalog listing 16mm films** for rental or sale has been announced by Association Films, Inc., 866 Third Ave., New York, NY 10022. More than 50 different films are listed. Contemporary issues are examined in films such as *Alcoholism*; *Out of the Shadows*; and *Alaska — End of the Last Frontier*. Children's films are represented by such classics as *A Christmas Carol* by Charles Dickens.

**The scope of EMI CCTV products and systems** is covered in an 8-page illustrated brochure available from the Broadcast Equipment Division of EMI Sound & Vision Equipment Ltd., 252 Blyth Rd., Hayes, Middlesex UB3 1HW, England. The brochure describes various kinds of CCTV equipment ranging from the simple one-camera one-monitor installation up to comprehensive traffic control and security surveillance systems.

**The TDC line of Stabilac™ ac sources** is described and illustrated in a 12-page brochure available from Frequency Technology, Inc., TDC Div., Box 365 Whitcomb Ave., Littleton, MA. The ac sources use new principles rather than moving parts or electronic circuitry to hold output voltage constant under conditions of simultaneous changes in line voltage and load current. Rated from 250 NVA single phase to 150 kVA three phase, the new principles involve core saturation, flux shifting, and electromagnetic resonance to hold output voltage within  $\pm 4\%$  of correct value as line voltage swings between  $-20\%$  to  $+10\%$  and load current varies from zero to 100%.



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