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| ECCO 1500 | Metal Film Reels | Strip & Sound Paks |
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| Edit Chairs | Movie Light Bulbs | Synchronizers |
| Edit Tables | Moviola Parts | Takeup Arms |
| Editing Gloves | Moviolas | Tape Dispensers |
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| Film Bags | Paper Leader | Video Cassette Storage Boxes |
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New Products

Further information about these items can be obtained from the addresses given. As in the case of technical papers, the Society is not responsible for manufacturers' statements, and publication of these items does not constitute endorsement of the products or services.



Aurora/220 videographics system

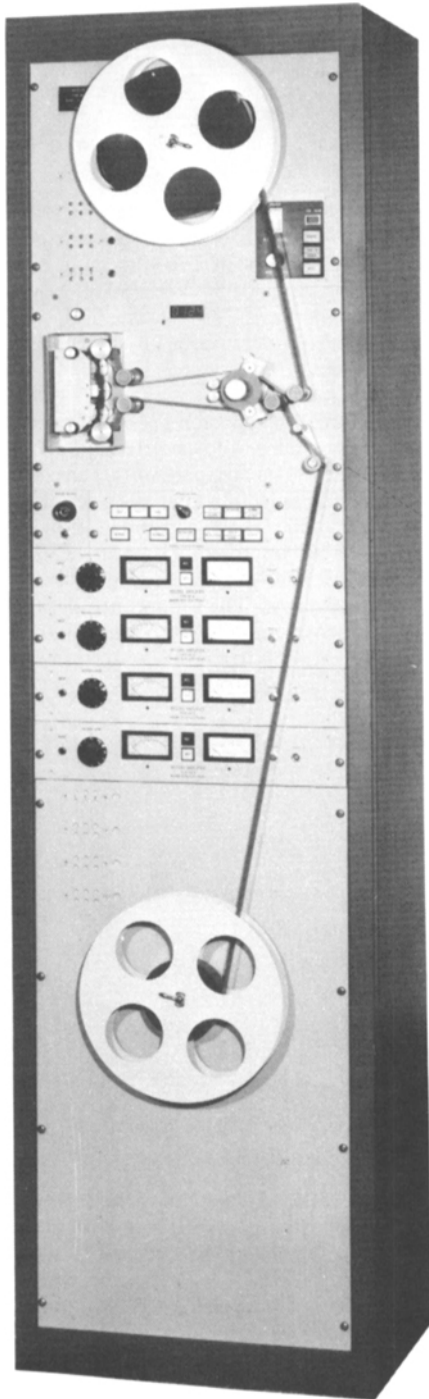
The Aurora/220, a full-color graphics system based on the IBM PC/AT, has been announced by Aurora Systems, 185 Berry St., San Francisco, CA 94107. The system has a full range of features, including a complete paint system, 32-bit resolution (RGB + Alpha transparency), special effects techniques, full-color video input, and character generation. The Aurora/220 has been designed to meet all the requirements of the computer graphics user and to be expandable to meet future needs.

The Polyphonic FX digital sequencer for storage and retrieval of sound effects has been introduced by Polyphonic FX Systems, 3459 Cahuenga Blvd. W., Hollywood, CA 90068. A 16-channel system for simultaneous or sequential playback, it digitally records any sound, then stores the recorded sound on hard disk. The sequencer can also store a list of sound effects in order of occurrence, automatically loading each sound effect prior to the time-code location where it is to be displayed.



Shintron DK3/CK3 keyer/RGB chromakeyer

The DK3/CK3 component downstream keyer/RGB chromakeyer has been introduced by Shintron Co. Inc., 144 Rogers St., Cambridge, MA 02142. The DK3/CK3 is a combination shadow keyer and chromakeyer in a single enclosure. The unit employs Shintron's super-linear extra wideband (SLEW) technology to perform key fades and program-preset fades with almost immeasurable degradation in



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EBU review

The EBU review is the professional journal of the European Broadcasting Union. It is published in separate English and French versions and there are two editions, each published bi-monthly:

the "Programmes Administration, Law" edition, published in Geneva in January, March, May, July, September and November.

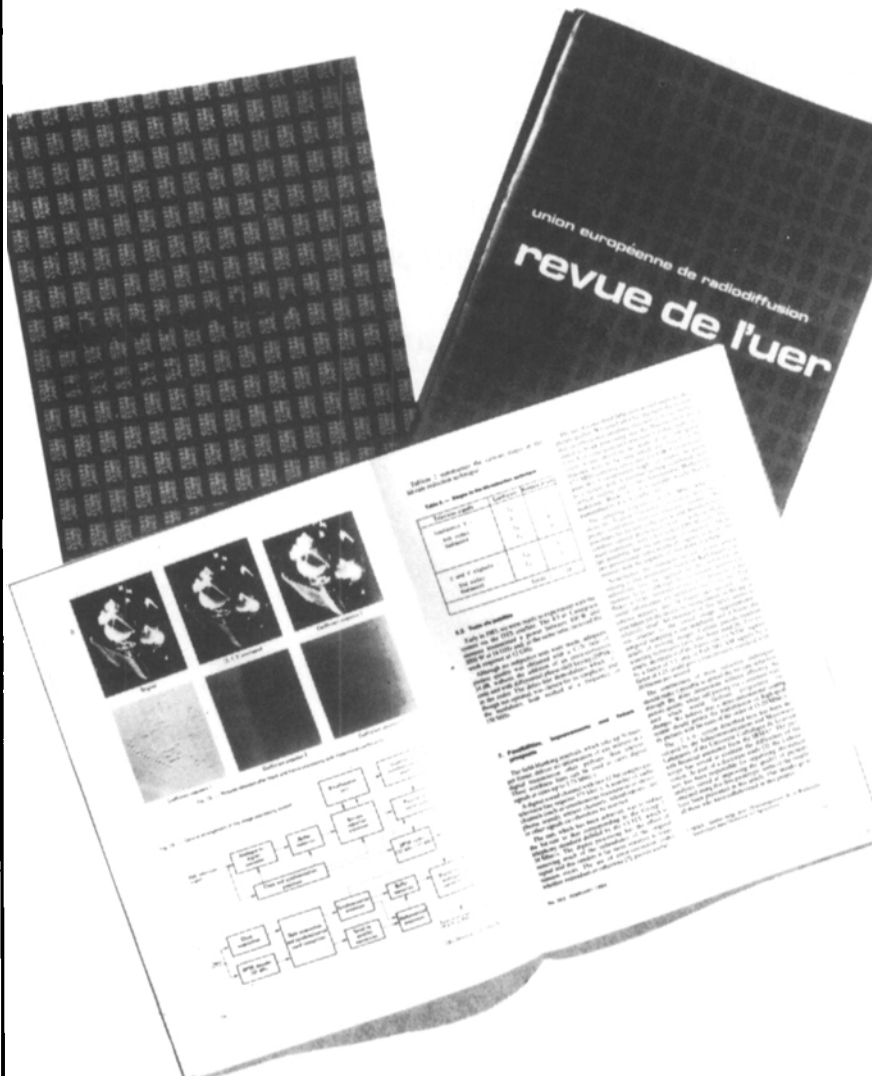
the "Technical" edition, published in Brussels in February, April, June, August, October and December.

The EBU Review is the recognized authority on all matters concerning the administrative, legal, programme and technical aspects of international radio and television broadcasting. It carries original articles, written for the most part by specialists on the staffs of the Member-organizations of the Union, large "news" sections, statistics, book reviews and reports on meetings and other activities within the Union.

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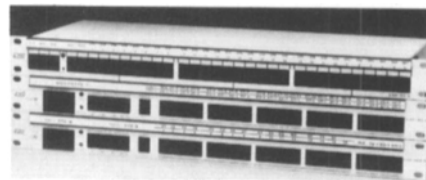
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Information concerning these publications may be obtained from either the EBU Technical Centre in Brussels (avenue Albert Lancaster 32, B-1180 Bruxelles, Belgium. Telephone: 375 59 90. Telegrams: Uniradio Brussels. Telex: 21230 Brussels) or the EBU Permanent Services in Geneva (Case postale 193, CH-1211 Genève 20. Telephone: 98 77 66. Telegrams: Uniradio Geneva. Telex: 28.91.93 Geneva).



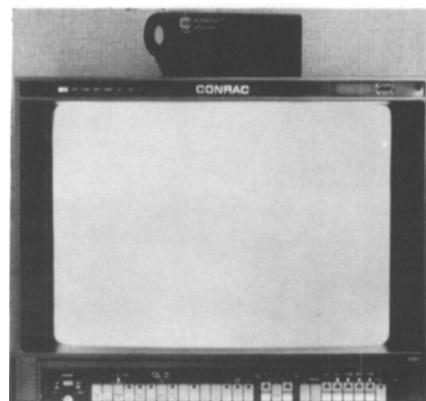
european broadcasting union

differential phase, differential gain, or frequency response. With the DK3/CK3, drop shadow can be filled with any color from its own independent background generator.



Utah Scientific 4-level control panels

Three reprogrammable 4-level control panels for its AVS-1 and AVS-1B routing switchers have been announced by Utah Scientific, Inc., 1685 West 2200 South, Salt Lake City, UT 84119. The CSP-30/4 has 30 button-per-source keys plus break-away keys, and can be expanded to a maximum of 60 sources with Utah Scientific's CX-30 expansion panel. The CSP-40/4 controller allows selection of 40 sources on a button-per-source basis, by means of 20 selection keys and a program-select switch. The CSP-260/4 provides selection of up to 260 sources, 256 by means of a 16-button keypad plus four direct-take keys. The three controllers are fully reprogrammable as to source names, matrix sizes, matrix levels addressed, and output buses controlled.



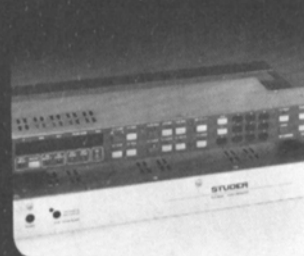
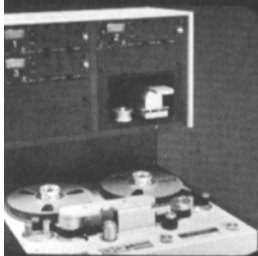
Conrac Model 6545 monitor

The Model 6545/6550 Micromatch™ color monitor system, offering automated monitor alignment, has been introduced by Conrac Div., 600 N. Rimsdale, Covina, CA 91722. The system, consisting of the Model 6545 color monitor and the Model 6550 photometer, cuts successive monitor setup time to typically 20 sec/monitor. The monitor utilizes a dot-mask, precision in-line (PIL) CRT. The photometer is capable of digitally acquiring information from a master monitor, processing and storing it, and automatically communicating it to another monitor. The end result is perfect alignment of both monitors.

Two laboratory spectrum analyzers have been introduced by Tektronix, Inc., P.O. Box 1700, Beaverton, OR 97005. Models

Studer Audio: Special Applications

Studer Audio for Film and Video



If you need audio recorders for film or video production, look to Studer of Switzerland. No other manufacturer can offer such a comprehensive line, with more than two dozen standard versions available based on four different transport designs. In addition, special versions may be ordered to fulfill virtually any requirement.

Studer for Film Production. For film audio applications, Studer offers a wide variety of recorders with pilot-tone and resolver capabilities. Standard versions include mono audio with pilot-tone (Neopilot[®] system) or stereo with FM pilot-tone, either with or without resolver modules. Systems are available in 1/4" or 1/2" tape formats, and with any combination of audio/pilot-tone track configurations currently in world use.

Both mono and stereo pilot systems – with record and playback capability – may now be incorporated in the new microprocessor-controlled A810 transport. Various other pilot-tone and resolver combinations are available with the Studer B67 and A80 transports. The fully modular design of all

Studer recorders allows easy modification for highly specialized applications.

Studer for Video Production. For years Studer multitrack recorders have been the overwhelming choice of the world's foremost music recording studios. Today, as sound quality becomes increasingly important in video production, more and more top video houses are turning to Studer.

Studer multi-track recorders are available in 4, 8, 16, and 24 track configurations. In demanding video post-production applications, the Studer A800 provides unsurpassed speed and versatility. What's more, the A800 is Swiss engineered for total reliability – and that means greater cost-effectiveness over the long run.

Studer's new video layback recorder, the A80VU-3-LB, is the first and only of its kind to handle both B & C format 1" video tapes. Studer's smooth, positive tape handling means you'll take no chances with your valuable video masters.

For stereo audio-for-video applications, Studer offers two recorders

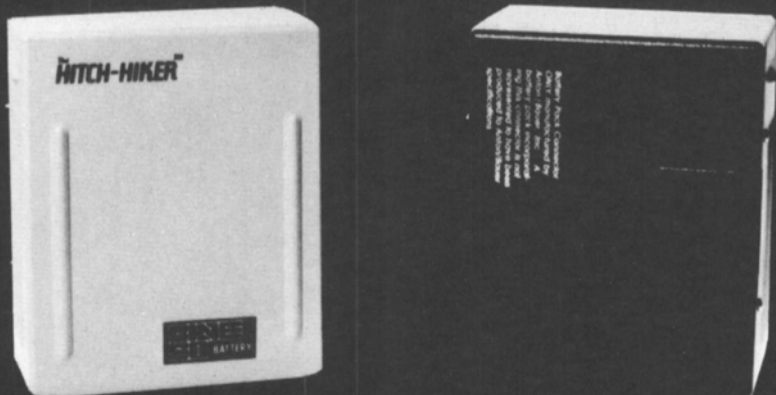
designed from the outset to work with center-track SMPTE time code: the compact A810 and the new, ultra-sophisticated A820. Both recorders are Nagra compatible, and the unique time code system pioneered by Studer – utilizing two separate code heads with a microprocessor delay for offset compensation – remains the most elegant and flexible currently available.

In Sync with Studer. To tie it all together, Studer offers the TLS4000 universal modular resolver/synchronizer. More than just a SMPTE code synchronizer, the TLS4000 interlocks a wide range of audio, video and film equipment. For film applications it features resolver modes with programmable pilot reference frequencies.

Improve Your Image with Better Audio. For more information on Studer products for video and film production, please write or call: Studer Revox America, 1425 Elm Hill Pike, Nashville, TN 37210; (615) 254-5651.

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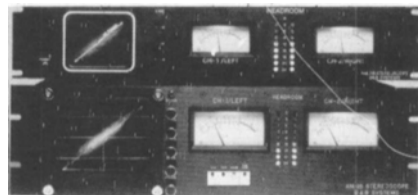
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2755 and 2755P, monolithic, bench-top spectrum analyzers, have built-in signal processing that identifies CW, pulse, and impulse signals for improved measurement repeatability and accuracy. The 2755 is equipped with an ergonomically designed front panel and large controls, making the unit easy to use. In addition, there is direct keypad entry of key control parameters such as frequency, span/division, and resolution. Other key features include an occupied bandwidth mode, a unique signal track idle, and noise normalization of dB/Hz.



B&B Systems AM-1B Phasescope stereo monitor

The AM-1B Phasescope stereo monitoring instrument for broadcasting and production facilities has been announced by B&B Systems, 28111 N. Avenue Stanford, Valencia, CA 91335. The instrument features a precision CRT scope, illuminated VU meters, and associated LED peak-reading displays. A graticule in the CRT affords quick verification of proper stereo-phase information, as well as selectable monitoring of the individual left and right audio channels and SMPTE time code.

The Pathfinder II video remote-control device has been introduced by Electric Works Inc., 1541 Parkway Loop, Tustin, CA 92680. The product is an SMPTE vertical-interval time-code decoder and VTR controller for the IBM PC/XT/AT or compatibles. The full-length I-BUS board gives full function controls to a VTR through its 25-pin wired parallel remote port using keyboard commands or an optional joystick, mouse, or trackball. The wideband decoder in conjunction with supplied software, can locate sections of videotape with field accuracy for viewing or editing, and can generate CMX style reports.

CMX CASS I computer-aided sound sweetener

The CASS I audio editing and audio console automation system has been announced by CMX Corp., 2230 Martin



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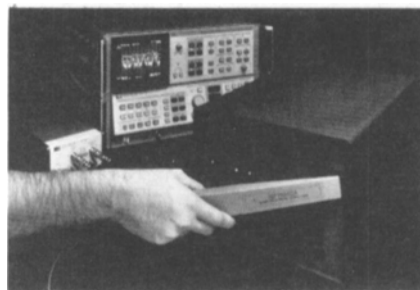


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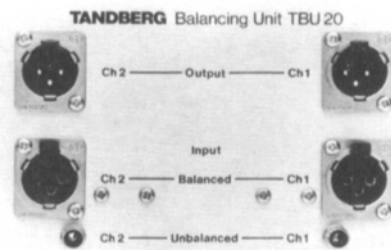
Frezzolini Electronics Inc.
7 Valley St. Hawthorne, N.J. 07506-2084
TWX: 710-988-4142 Made in U.S.A.

Ave., Santa Clara, CA 95050. The CASS I is a computer-aided sound sweetener that simultaneously controls up to 6 audio tape recorders and 15 additional sources, permitting mixing of an entire sound track. CMX's system is integrated and referenced to time coding, and features recall and modify, as well as mono and stereo recording. The system offers comprehensive list management, along with storage and retrieval of the entire edit list or sublist to and from a standard floppy disk.



Hewlett-Packard HP 11940A probe

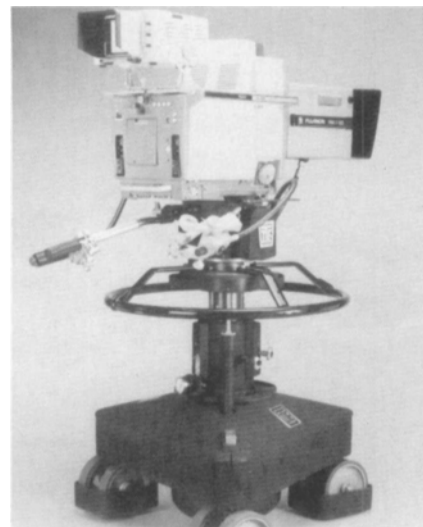
The HP 11940A close-field probe has been placed on the market by Hewlett-Packard Co., 1820 Embarcadero Rd., Palo Alto, CA 94303. The probe is a calibrated, magnetic-field sensor that locates electromagnetic-emission sources and then makes repeatable, relative measurements from 30 MHz to 1 GHz. The probe uses a dual-loop configuration and a balun to provide common-mode rejection of electric field components. The small, lightweight HP 11940A is recommended for use with the HP RF and microwave spectrum analyzers.



Tandberg TBU-20 balancing unit

The TBU-20 balancing unit has been introduced by Tandberg of America, Inc., P.O. Box 58, Armonk, NY 10504. The TBU-20 is an in-the-field retrofit accessory that converts Tandberg's TD-20 series and other brands of reel-to-reel tape recorders to balanced XLR capability.

The ITE-P2 Lowboy pneumatic studio pedestal has been announced by Innovative Television Equipment, 6445 DeSoto Ave., Woodland Hills, CA 91367. The minimum height of the ITE-P2 has been reduced, and the diameter of the steering



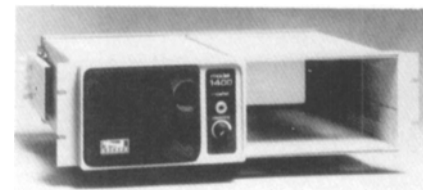
Innovative Television Equipment ITE-P2 pedestal

wheel increased, for special types of low and ground-level camera shots. The Lowboy weighs 180 lb and features a modified Mitchell-type camera mount and a crab and tricycle steering mode. The pedestal can accommodate camera/head loads up to 290 lb.



International Tapetronics/3M ESL V eraser/splice locator

The ESL V eraser/splice locator for use with broadcast cartridges has been announced by International Tapetronics Corp./3M, 3M Center, 225-3S-05, St. Paul, MN 55144. The microprocessor-controlled unit achieves clean erasure and high-speed (30 in./sec) splice locating of NAB A and AA size cartridges. The erase cycle can be even further reduced when using a ScotchCart® II broadcast cartridge. The splice detector mechanism uses a hall-effect sensor.



Anchor Audio AN-1400 speaker

The AN-1400 powered speaker has been introduced by Anchor Audio, Inc., 913 223rd St., Torrance, CA 90502. The

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speaker has a 50-W power Mosfet amplifier and dc servo bias control. Additionally, the speaker features a 600-ohm transformer-isolated, balanced *XLR* input, and a front-mounted headphone jack with speaker interrupt. It offers high thermal stability and wide power bandwidth, and has been designed not to create interference with nearby waveform or video monitors.



AKG D-70ME microphone

The **D-70ME microphone** has been placed on the market by **AKG Acoustics, Inc.**, 77 Selleck St., Stamford, CT 06902. The **D-70ME** is a medium-impedance (200-1000 ohm) cardioid microphone, with a 128-dB maximum sound pressure level. It is equipped with a 3-pin *XLR* connector, and incorporates a built-in pop-screen.

Three forms of a test chart of the BBC line zone plate test pattern image have been announced by **Porta-Pattern Inc.**, P.O. Box 38945, Los Angeles, CA 90038. The image enables engineers to make quick appraisals of a television system's frequency and phase characteristics. The chart provides a means of assessing resolution loss due to beam diameter, differential focus over the picture area, spot astigmatism, and other camera parameters.

The **1800 series of video digital-to-analog converter (DAC) modules** has been announced by **Tektronix, Inc.**, P.O. Box 500, Beaverton, OR 97077. The DACs are designed for application in medium-to-high resolution raster scan displays, and offer from 1000 lines by 1200 pixels/line to 1500 lines by 2000 pixels/line in 60-Hz, noninterlaced displays. The series consists of the Tek 8120, Tek 8130, and Tek 8131 video DACs and marks Tektronix's entry into the video display components market.

The **TCR-4 time-code reader module** has been introduced by **Convergence Corp.**, 1641 McGaw, Irvine, CA 92714. At the heart of the module is a microprocessor chip inside a control unit or edit-controller. The chip is attached to the parallel input-output board of Convergence's 200 Series of editing systems. A time-code frame adapter with four RCA audio inputs plugs into the rear of the edit-controller and onto the input-output board. Consequently, time-code can be fed directly from the output of the VTRs to the edit-controller.