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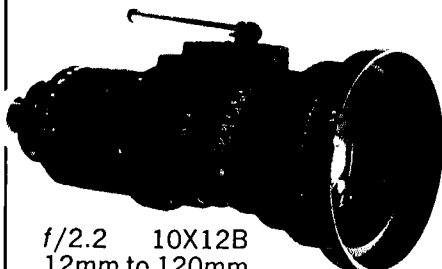
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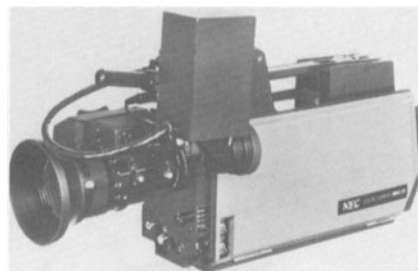
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16MM PROFESSIONAL CAMERAS
SINCE 1931

New Products & Developments



A new ENG/EFP camera, the MNC-71CP, a lightweight, fully self-contained camera manufactured in Japan by NEC, has been announced by Cinema Products Corp., 2037 Granville Ave., Los Angeles, CA 90025, the exclusive distributor throughout North America. The camera was designed from the start to be used as an ENG camera as well as a broadcast-quality, versatile field production camera. The camera has remote production capabilities including the ability of balancing it to match the colorimetry of other cameras in the field and in the studio. Features include external genlock, master pedestal control and servo-iris control.

Extensive use of LSI micro circuits, developed by NEC, reduces the number of individual components in the camera resulting in stable performance, reliable circuit operation and low power consumption. Either Saticon® or Plumbicon® 2/3-in tubes can be used. Other features and options include high-transmittance prism optics (maximum aperture f/1.4); built-in linear matrix for high fidelity in tracking colors from high- to low-light levels; three-position gain control (6 to 12 dB additional gain for greater flexibility in boosting for extremely low light levels); automatic white and black balance circuits; and complete accessibility of circuit boards (no module extender required) and pickup tubes for easy maintenance. MNC-71CP prices start at \$32,900.

Seventeen new television monitors have been announced by Robert Bosch GmbH, Geschäftsbereich Fernsehanlagen, Robert Bosch Strasse 7, D-6100 Darmstadt, Federal Republic of Germany. The 17 models are divided into three performance classes — precision monitors for the precise evaluation of the quality of television pictures from a measurements standpoint; monitors for the technical and artistic evaluation of television pictures; and standard monitors for observation and general monitoring of television pictures.

All of the monitors are designed according to a uniform concept employing the building-block system and with a provision for remote control. The color temperature for the black-and-white monitors is 6500 K. The color monitors have in-line tubes with high resolution. The monitors are fully transistorized and have plug-in connections. Most of the monitors are offered as independent table-top models or as units for mounting in racks or cabinets. Because heat development is low, several units can be arranged side-by-side or one above the other.

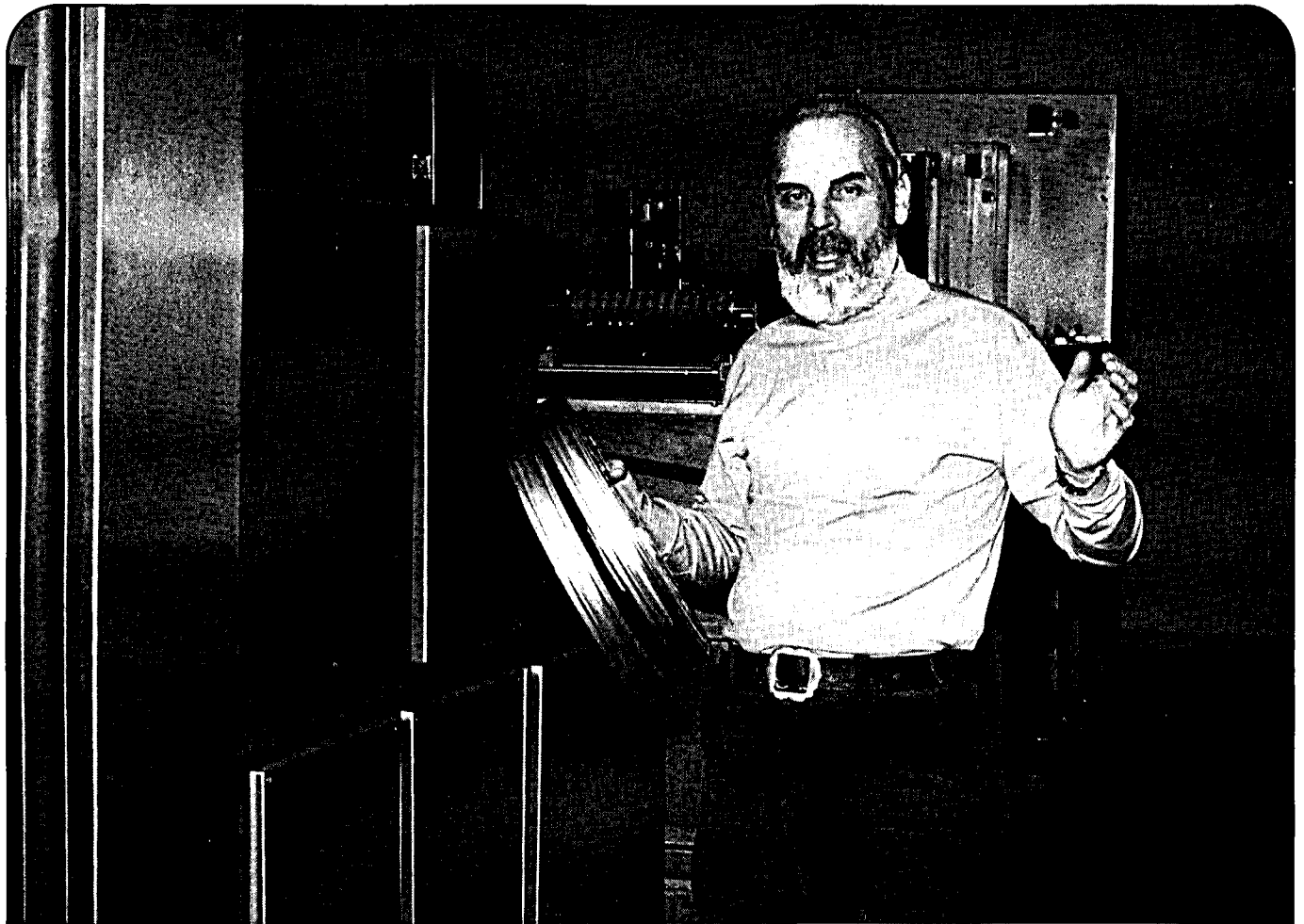
The controls are designed for simple operation. The control panel permits selection of several video sources; setting of brightness and contrast with normal setting; sync mode selection; and, in the case of color monitors, chroma adjustment and color-component selection. The monitors are manufactured to the 625-line/50 Hz and 525-line/60 Hz standards and the color monitors can accept RGB signals as well as NTSC, PAL, PAL-M and SECAM color systems.



The VISC, a new home videodisc player system capable of one- or two-hour playback in color with stereo sound has been developed by Matsushita Electric of Osaka, Japan, according to an announcement from Panasonic, One Panasonic Way, Secaucus, NJ 07994. The Matsushita system uses a 30-cm diameter disk similar to an ordinary phonograph record. The one-hour system (VISC I) plays 30 min on each side and is suitable for musical or educational programs; the two-hour system (VISC II) plays for 60 min on each side and can be used for long program playback such as feature movies or sports events.

The VISC system uses a fast, direct-cutting method for the master disk combined with a specially developed Twist Stylus system that converts the mechanical vibration of the stylus directly into voltage fluctuations. In order to record the high-frequency signal of 10 MHz, (10 million undulations per second) when cutting a master disk, the conventional mechanical cutting method requires a substantially longer time than the real disk-playing time. The Matsushita direct cutting method has made it possible to record a wide frequency band picture signal as well as two discrete sound signals simultaneously in real playing time by the especially developed micro-cutting stylus which is ultrasonically driven by a PCM, piezo ceramic material device. The player unit itself is designed and engineered around ordinary electronic components and parts with the exception of its special diamond stylus. The player unit is light in weight and is easy to handle with a simple two-knob operation. There is an on-off power switch as well as a play button which is a single control to start playing and also to search out any portion of the recording that the user may want to play back.

The video player is expected to have a price range of \$480 to \$600 in Japan.



24 HOURS A DAY

“We run our processors 24 hours a day,” states Fred Schoelkopf of Cine Magnetics Film Laboratory in Mamaroneck, NY, “so we must have dependable equipment.”

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The Vidstar VHS Video Home System, a two-hour videocassette system, has been announced by JVC Industries, Inc., 58-75 Queens Midtown Expy, Maspeth, NY 11378. The videocassette recording deck, which uses 1/2-in tape, connects to television sets through the antenna terminals. A home video color camera is available as part

of the Vidstar system. It can be used to record and instantly play back home movies through the television set. Using the Vidstar system, television programs can be recorded through built-in UHF and VHF tuners allowing the viewer to play back a recorded program at a later time. Programs can be recorded when no one is at home through the use of an automatic built-in timer. It is also possible to watch one program on television while recording another through the deck for later viewing. Home movies can be transferred to videotapes at home through use of a telecine attachment as well as through designated centers.

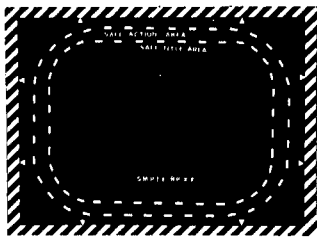
The Vidstar deck is 17 7/8 in wide, 5 13/16 in high and 13 5/16 in deep (453 mm X 147 mm X 337 mm). It weighs 29.7 lb (13.5 kg). The Vidstar is priced at \$1280. The home color video

camera is priced at \$1500. The telecine attachment for transferring 8mm or super-8 movies to videocassettes is priced at \$90.

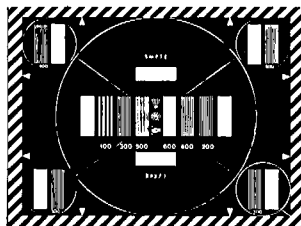
A new color sync generator, Model SY-5990A, and a companion genlock designed to add NTSC pulse capability to the 5900 series distribution equipment have been announced by Dynair Electronics, Inc., 5275 Market St., San Diego, CA 92114. The sync generator has an oven-stabilized crystal oscillator. Pulse rise/fall times are controlled to 140 ± 20 ns to minimize system ringing. Lock-in range for the genlock is ± 20 Hz subcarrier and ± 150 Hz horizontal. Existing 5900 series rack frames can be equipped for the sync system using a solderless frame adapter, supplied with the sync generator, which accepts both modules. The sync generator, including the rack frame adapter, is priced at \$550. The genlock is priced at \$350.

SMPTE

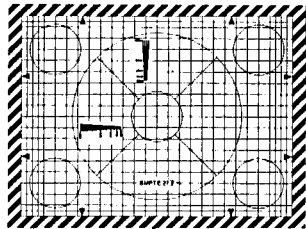
Television Test Films & Slides



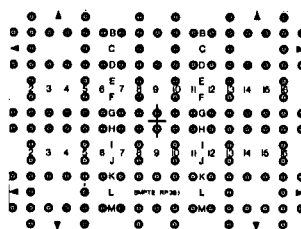
Safe Action and Safe Title



Alignment and Resolution



Operational Registration



Deflection Linearity

SMPTE's TV test films and slides are used for setting up and checking television studio cameras and telecine systems. These are manufactured under carefully controlled conditions to insure constant dimensions and densities.

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The P.O.V. 35mm Helmet Camera, designed mainly for use by stunt men, has been announced by Continental Camera Systems, Inc., 16800 Roscoe Blvd., Van Nuys, CA 91406. The total helmet weight complete with camera, lens, battery motor, and 100 ft of film is 13 lb. The camera is pin registered and has a full 35mm aperture. Camera speeds range from 1 to 48 frames/s. The shutter is variable from 11° to 130° . Power required is 24 V dc. The Helmet Camera has been field tested on horses, motorcycles and other vehicles. The price is \$12,000. It is also available on a rental basis.

The new Agfachrome super-8 film developed by Agfa-Gevaert, offers improvement in the fidelity of color reproduction. It has a rating of ASA 40 and is said to produce sharp, brilliant colors. The film had been tested in Europe for more than two years before being brought to the United States. It is distributed by Braun North America, 55 Cambridge Parkway, Cambridge, MA 02142. The price of about \$7.60 includes processing and return on spools ready for projection.

Extended-play U-Matic cassettes have been announced by 3M Company's Magnetic Audio/Video Products Div., P.O. Box 33600, St. Paul, MN 55144. The UCA-30S provides 30 min of play in a mini-cassette and the UCA-75 provides 75 min in a full-sized cassette. Applications include data accumulation where operator availability is limited or in the recording of long sequences such as surgical operations or classroom lectures. Price of the UCA-30S is about \$35. The UCA-75 is priced at about \$45.



5 lbs. of dbx + 1 Nagra IV-S = 30db less noise.

For Nagra owners who want the added capability of noise reduction without having to carry around bulky separate chassis units, we're introducing the dbx 193. It's a two-channel simultaneous record-and-play noise reduction system that attaches easily to the Nagra IV-S, using existing tapped holes in the Nagra's case.

There are four separate signal processing circuits in the 193, permitting you to actually monitor the noise-reduced program material while you're recording. In addition, it contains a separate two-channel amplifier, so either loudspeakers or headphones can be used for field monitoring.

*If loudspeakers are used with the 193, battery life is further reduced. Nagra is a trademark of Kudelski, S.A. of Switzerland.

The dbx 193 not only provides up to 30 db of noise reduction and eliminates print-through, but actually increases the Nagra's already excellent headroom by an additional 10 db. The system uses a 2:1 compression ratio during recording, and inverts this for a 1:2 expansion ratio during playback. Both figures are linear in decibels over a total dynamic range of 100 db.

No additional or external power source is required, yet the unit reduces battery life in the Nagra by only one third.* Two seven-pin Tuchel connector cables provided mate the dbx

193 to the IV-S, and its construction is designed to withstand heavy field usage.

Tapes produced using the dbx-equipped Nagra are, of course, fully compatible with any other dbx professional noise reduction system. So give your Nagra an extra measure of flexibility, without weighing yourself down. Audition the dbx 193 at your professional audio products dealer soon. If you'd like more information beforehand, just drop us a line and we'll be happy to send you the full specs.

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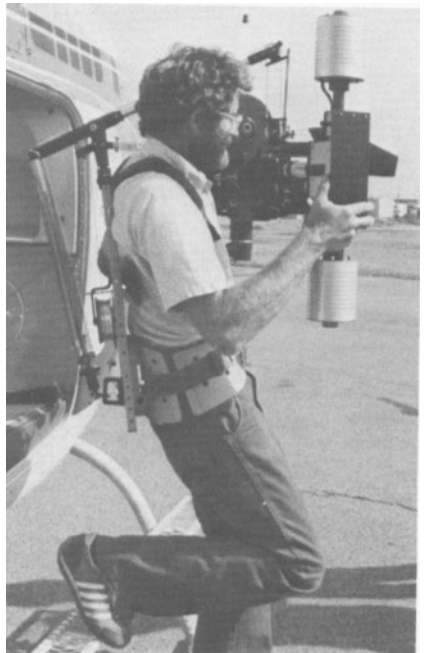
A two-camera outside broadcast (OB) van has been announced by Robert Bosch GmbH, Geschäftsbereich Fernsehanlagen, Robert Bosch Strasse 7, D-6100 Darmstadt, Federal Republic of Germany. Designed for rapid on-the-spot reporting and fast recording on videotape the van can produce a tape ready for transmission immediately after the recordings. The van contains two portable cameras, a 6/2-channel audio mixer and two BCN 40/50 VTR systems. The van has its own power generator but can also draw power from the mains. Other features include complete air conditioning and a hatch on the roof that can be opened to film events while

the van is moving. The chassis for the new OB van is the Volkswagen-Transporter to ensure worldwide service for the vans. The van has space for all the equipment as well as the operating personnel and also has space for cable drums at the rear of the vehicle.

The Teldav 400, a one-input, four-output video distribution amplifier, has been announced by Channelmatic, Inc., 2232 Lindsay Michelle Dr., Alpine, CA 92001. A desk-top device, it can be used for portable applications. Integrated circuitry is used including short-circuit-proof dual



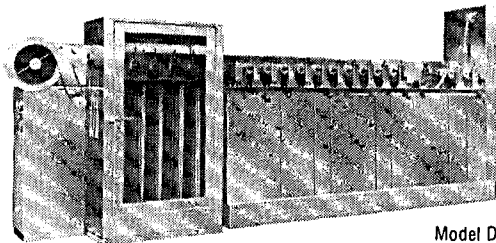
power supplies with current limiting and overload protection. The device provides a wide bandwidth with minimum noise through the use of wideband integrated circuits in the video amplifier thus eliminating the need for external feedback loops for compensation. Direct coupling is used in the amplifier to provide low-frequency response and to maintain the dc reference at 0 V. The output driver IC has low output impedance providing 75 Ω to the load. Gain is adjustable to over 10 dB. Price of the Teldav 400 is \$250. Also available is the Teldav 400, a mating 1-in, 4-out audio distribution amplifier which provides compatible performance with either balanced or unbalanced audio. It is also priced at \$250.



The Body Mount, a handheld camera stabilization system, has been announced by Continental Camera Systems, Inc., 16800 Roscoe Blvd., Van Nuys, CA 91406. The body mount weighs 35 lb. No camera modification is required and 16mm and 35mm cameras can be used. A special plate is supplied for use with the RCA TK-76 television camera. The Body Mount can be disengaged from its body harness and transferred to a tripod while filming because it does not have any pendulum device to obstruct its operation. It can be used as low as 4 in from the floor and up to 6 ft in the air. Self-contained battery packs are incorporated into the system to run film, camera, video camera and a specially designed television monitor which provides a bright picture even in sunlight. The Body Mount is priced at \$13,500. It is also available on a rental basis.

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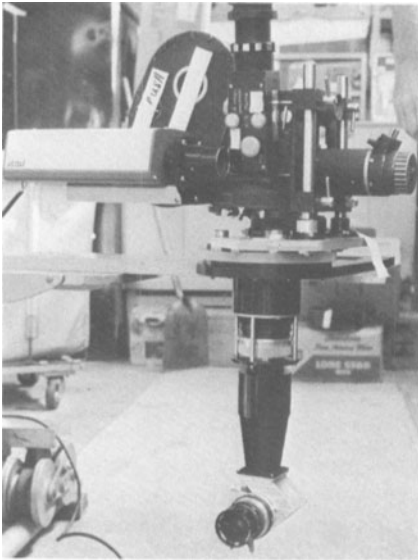
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The Pitching Lens, a new relay lens, has been announced by Continental Camera Systems, Inc., 16800 Roscoe Blvd., Van Nuys, CA 91406. The system was designed to be light in weight, portable, to have a fast f stop and to have the ability to be used in combination with a wide variety of lenses. It is intended for the 35mm format, with a 1:1 relay and an $f/3.9$ aperture. It can pan 360° and has a tilt of up to 180° . It is controlled by a pressure-sensitive joystick. It can be used on 16mm and 35mm cameras, the RCA TK-76 television camera and other broadcast video cameras. The primary cinematography applications are for table-top, miniature and

special effects. Because of its fast aperture a minimum of lighting is required to light the subject. A wide variety of lenses can be used from a 6mm fisheye to 10:1 zoom. The Pitching Lens is available on a rental basis at a daily rental of \$1000.



The Bolex 625-XL, a super-8 silent camera, has been announced by Ehrenreich Photo-Optical Industries, Inc., 101 Crossways Park West, Woodbury, NY 11797. Features include an increase of $4\frac{1}{2}$ -stops allowing 20 times more light to reach the film than with a conventional movie camera. An innovation that gained $1\frac{1}{2}$ -stops was the use of an $f/1.1$ lens rather than the standard $f/1.9$. Enlarging the shutter opening to 220° instead of the usual 165° added another $\frac{1}{2}$ -stop. Another $\frac{1}{2}$ -stop resulted from sepa-

rating the light measurement path from the reflex viewing system. A further innovation was the use of 9 frames/s filming and projection speed for low light levels. Films can also be exposed at 18 frames/s in more favorable light conditions. The automatic exposure system is calibrated for use with films up to ASA 160 rather than the usual ASA 40. In addition to its use in extremely low light levels, the Bolex 625 can also be used in brilliantly lighted areas, such as the beach or ski slopes. The fast 6mm to 22.5mm $f/1.1$ zoom lens can be stopped down to $f/45$ to minimize danger of overexposure. The automatic exposure system is governed by a CdS cell. Price of the Bolex 625 is \$239.50.



A super-8 silent movie camera, Model 2146XL, has been announced by Bell & Howell/Mamiya Co. (BHMC), 7100 McCormick Rd., Chicago, IL 60645. The new camera has a low light 6.5 to 1 zoom range $f/1.2$ lens with macro focusing. The long zoom range 7mm wide-angle to 45mm telephoto lens can be focused from infinity to 5 ft. In the macro mode it can be focused to within 1.2 in. of the subject. A reflex viewfinder contains a through-the-lens range-finder with an easy-to-see two-color optical dichroic split image for fast accurate focusing. The automatic electric eye (with manual override for special effects) functions through the lens for more accurate metering throughout the entire zoom range. The 225° low light shutter runs at 18 frames/s but also has slow motion and single frame. The camera is powered by four AA alkaline batteries. The camera weighs 2 lb 6 oz (1074 g) without the batteries. The 2146XL is priced at \$289.95. A number of accessories are available.



Two new lightweight super-8 silent movie cameras have been announced by Bell & Howell/

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Now the Torsional Transmission Principle is available in the first truly portable reverb. Our two-channel, studio quality BX-10E.

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Despite all it has going for it, the BX-10E is only 17 x 12 x 19 inches small and weighs only 45 pounds. Visit your AKG professional dealer for a personal introduction. Or write to us.



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How To Make Your Super 8 Equipment Run Properly.

If proper presentation of your Super 8 films is important to you, then your equipment must be in perfect condition. To learn how well your Super 8 system performs, you'll need an SMPTE Test Film.

There are two basic types of test film. The first, for projection performance — picture only, is the **SMPTE 8mm Registration Test Film** (50 or 100 ft). This film has no sound track. Its purpose is to measure and help you adjust the optical and mechanical performance of your projection equipment. The patterns are designed to measure and adjust aperture size and position, jump, weave, travel ghost, lens focus, and film buckling.

The second type is for Super 8 Magnetic Sound. There are four all together, each of which was recorded on full-coat magnetic stock with a Super 8mm .1667-in pitch, and contains a 24-mil record in the edge track position.

The four films now available are:

1. **Azimuth Alignment Test Film** (50 ft) which is used to align the azimuth position of the recording and reproducing heads on magnetic sound equipment.
2. **Flutter Test Film** (50 ft) to measure flutter introduced by sound reproducers, contains an original recording with extremely low flutter content.
3. **Signal Level Test Film** (50 ft) helps measure and balance the power level output from motion picture sound reproducers. The recorded level does not in itself indicate a program level, but provides a reproducible reference from which a recommended program level can be determined.
4. **Multifrequency Test Film** (100 ft) is used for testing and adjusting motion picture sound reproducers and projectors. It is calibrated, and correction factors are supplied with each film.

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SMPTE Test Films

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Please send me information on:

- Registration Test Film
 Flutter Test Film Azimuth Alignment
 Multifrequency Signal Level

Name _____

Co. or organization _____

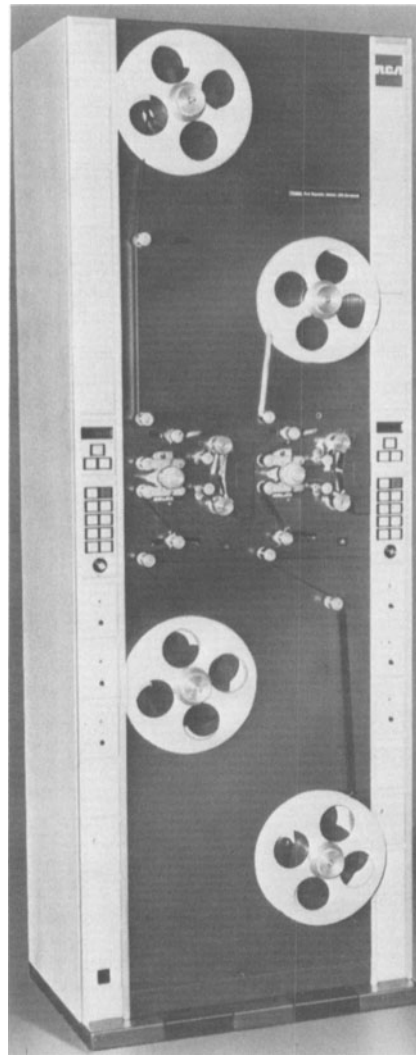
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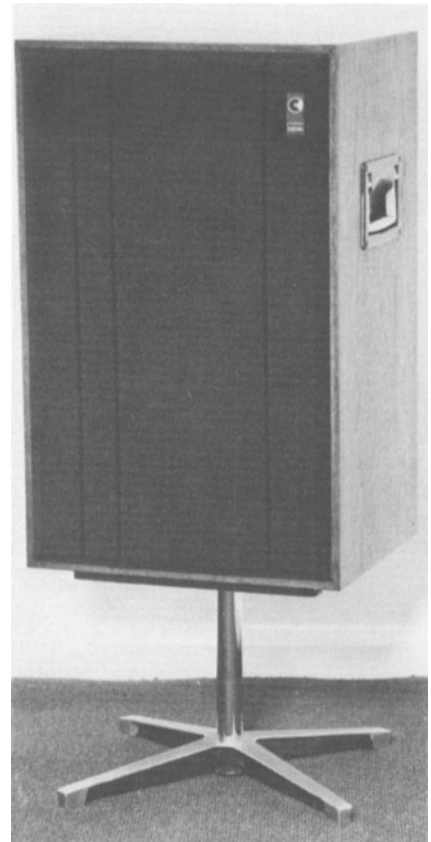
Mamiya Co. (BHC), 7100 McCormick Road, Chicago, IL 60645. The cameras, Model 2123XL and Model 2103XL, each weigh about 1 lb 9 oz (714 g) without batteries. Both cameras have an $f/1.2$ zoom lens with through-the-lens reflex viewing; automatic electric eye; electromagnetic shutter release trigger with electronic remote control capability; and other features. The 2123XL is designed with clustered controls to provide ease of operation and versatility. It has a pushbutton power zoom plus manual level zoom. It also has contrast control to accommodate automatically for either front- or back-lighting situations. Price of the 2123XL is \$209.95.

The more economical 2103XL has a manual zoom only with the Bell & Howell $f/1.2, 2.8$ to 1 (8.5mm to 24mm) zoom lens focusing from 4 ft. It has the Focus-Matic[®] measuring device. The price is \$169.95.



A new dual magnetic reproducer system, the PM-85SL, designed to interface with both film and tape machines for sound-on-film and sound-on-tape needs of motion-picture and teleproduction operations, has been announced by RCA Corp., Commercial Communications Systems, Camden, NJ 08101. Designed and built by RCA Photophone in Burbank, Calif., the PM-85SL provides two complete and independent film handling mechanisms, controls and electronics in a single cabinet. The dual system is available as two reproducers, two recorder/reproducers, a recorder and a recorder/repro-

ducer in one unit and in other configurations. Multiple soundtracks, up to six tracks of recording capability or 12 tracks of reproducers, are optionally available. Servo-controlled film transport mechanisms are designed to apply smooth, continuous drive motion to the film. Interchangeable sprockets and plug-in head assemblies permit the handling of either 16mm or 35mm sound recording. Price range of the PM-85SL is \$15,000 to \$24,000 depending on the various options and the number of soundtracks.



A monitor loudspeaker, the PM450, said to offer faithful sound reproduction up to a maximum rated output of 116 dBA at 3.28 ft (one meter) has been announced by Chartwell Electro-Acoustics Ltd., 2 Commonsides East, Mitcham, Surrey CR4 1HX, England. A cone, in the 12-in (305 mm) diameter bass/mid driver, is made of a plastic never before used for this particular application. Sensitivity is not lost because the plastic does not have to be doped. The low density of the plastic has a mechanical Q-factor of 8 and a high Youngs modulus of elasticity. The voice coil assembly uses high temperature adhesive and an ultra-light high temperature former to permit a continuous operating temperature of 392 °F (200 °C). High frequency signals are reproduced by a soft-dome 25-mm unit which employs an aluminum voice-coil former and generates low acoustic coloration. The PM450 is available in two models. One model, with a high signal-level crossover fitted with generously rated air-cored chokes and close-tolerance polycarbonate capacitors, requires normal external power amplifier. The second model contains an integrated pre-amplifier, low signal-level electronic equalizer and power amplifiers and accepts balanced audio input signals. A filter enables this model to be equalized to closer tolerances than the high-level cross-over model. Prices for the first model with the ex-

The VTR Format of Tomorrow. While others are still talking about it... Bosch already has it: the BCN System.

BCN scanner shortens tape path, minimizes environmental and mechanical tracking error



Since the BCN was first introduced, more than 400 of these systems have been ordered from all parts of the world. More than 350 of them have been delivered and are in operation.



Simplified threading of the BCN 20

The four basic requirements placed on a new VTR format:

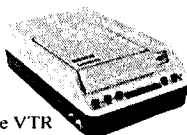
- Top broadcast quality for all TV standards.
- Universal applicability.
- Reel-to-reel and cassette handling.
- Adaptable to future developments.

The BCN System is not only a broadcast VTR:

It is also the electronic alternative to film. For the quality- and economy-minded industrial user, and for all professional non-broadcast applications.

The BCN System is offered by four leading manufacturers of "broadcast" equipment, and it is produced in both Europe and the USA.

The BCN System offers two different portable versions: the portable BCN 20 with a tape capacity of more than 60 minutes on one reel—and the BCN 5, the 20-min. cassette recording and play-back version. Both versions operate under all conditions with full broadcast quality. In the future, the BCN cassette version will also be used in an automatic multi-cassette VTR.



BCN 5 cassette VTR

The BCN System meets these four basic requirements for a new VTR format today: The compatible and economical BCN 1" format produced by Bosch guarantees broadcast quality in all TV standards and color systems (PAL, PAL-M, SECAM, NTSC). For all fields of telecasting and VTR applications. It is adaptable to future developments in video tape and video head technology. The segmented-field process makes purely electronic switching of writing speeds possible. As a result, the BCN is already an economical and universal VTR with a guaranteed future today.



Portable BCN 20

The BCN System features electronic editing with:

Single-picture display—for an unlimited time with no danger to the tape.

Jogging—single-picture search mode, forward and reverse.

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The BCN format also offers the possibility of filing over 100,000 single pictures (for example, slides) on a 90-min. video tape with an extremely short access time to each single picture.

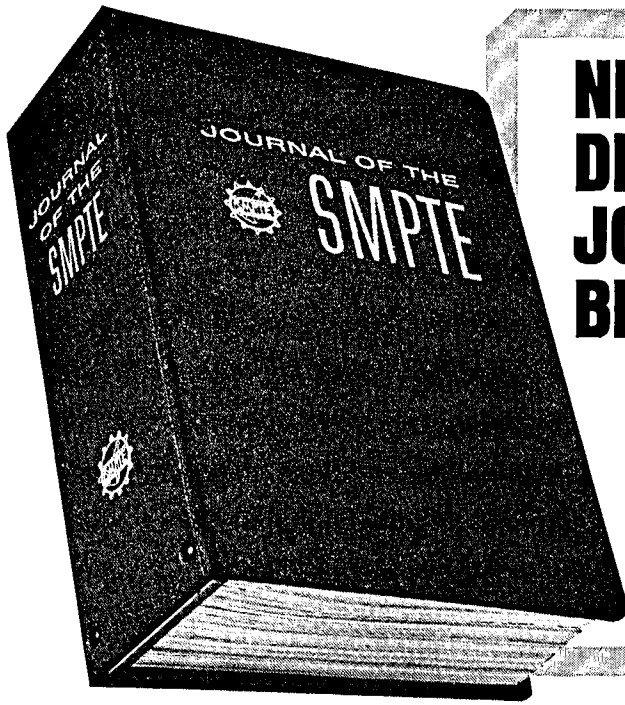
The BCN System is designed for both basic tape-handling methods: reel-to-reel and cassette handling in full broadcast quality, in both portable and stationary VTR's.

BCN—a format with a guaranteed future.

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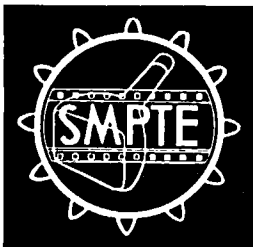
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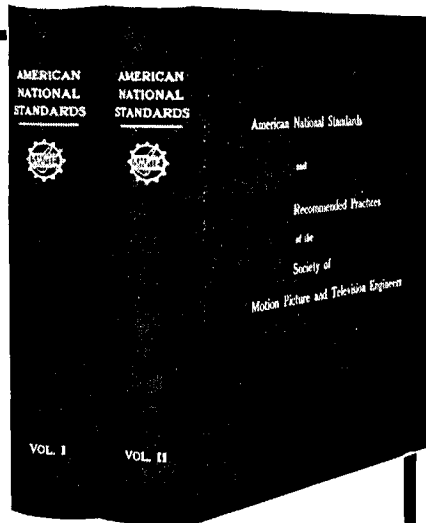
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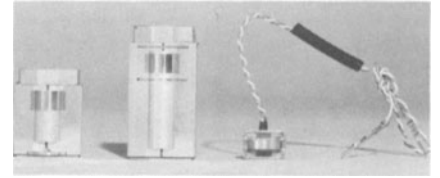
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ternal power amplifier range are £ 500 and £ 543 depending on the finish of the case (walnut or rosewood). Prices for the model with the electronic equalizer are £ 700 and £ 743, also depending on the finish of the case.



Bogen Magnetic Heads, offering sound reproduction for editing tables, studio sound systems, computers, cassettes and other professional sound equipment, have been announced by MM Editing Systems, Inc., 230 Park Ave., Room 339, New York, NY 10017, exclusive United States distributors. Bogen heads are made of special steel alloys, ceramics, aluminum alloys, special plastics, sinter metal, Mumetal, ferrite, Alfenol, etc., for efficiency, electrical stability, wide frequency response and long life. Shown above (from the left) the 16mm Bogen Head priced at \$115; 35mm, \$125; and the smallest one, \$57.50.



A super-8 silent movie projector, Lumina II, Model QX95, has been announced by Bell & Howell/Mamiya Co. (BHMC), 7100 McCormick Road, Chicago, IL 60645. In addition to engineering and design features common to all projectors in the Lumina II line, Model QX95 has a quartz-halogen lamp for a brighter screen image; a two-position lamp-saver switch to extend the lamp life; an *f*/1.3, 15.5 to 30mm zoom lens; and a room-lamp outlet. Other features include a new tilt foot that can be operated with one hand for accurate adjustment of the screen height; threading and film take-up reel light for easier operation in a darkened room; forward-still-reverse projection; framing control; and 400-ft supply reel capacity with front reel arm raised. Model QX95 is priced at \$239.95.



A new true-rms distortion analyzer/ac voltmeter/low-distortion oscillator has been announced by Hewlett Packard, 1501 Page Mill Rd., Palo Alto, CA 94304. Called the Model 339A Distortion Measurement Set, the instrument is said to have the capability of making true

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RCA TK-76 video cameras with STEADICAM systems are available directly from Cinema Products and its authorized dealers. Inquire about special TK-76/STEADICAM package prices.



"Universal Model" STEADICAM shown in use with TK-76 video camera, CP-16R 16mm camera and CP-modified Arri IIC 35mm camera. Other video and film cameras of the same general weight class can also be adapted for use with the STEADICAM system. For further information, please write to:

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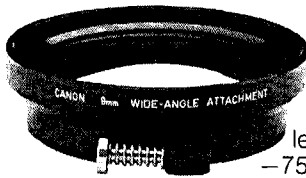
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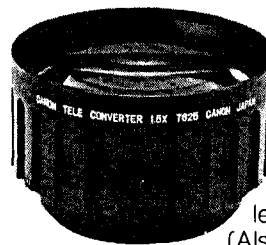
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1 9mm WIDE-ANGLE LENS ATTACHMENT

Snap this precision supplementary lens onto the front of Scoopic's 12.5 – 75mm macro-zoom (or filter) and you've got a 9mm wide-angle that lets you get in as close as 3 1/2", and gives you such a high degree of brightness that there's no loss of f-stop. (By the way, this attachment also works with the Canon 12-120 macro zoom lens.)

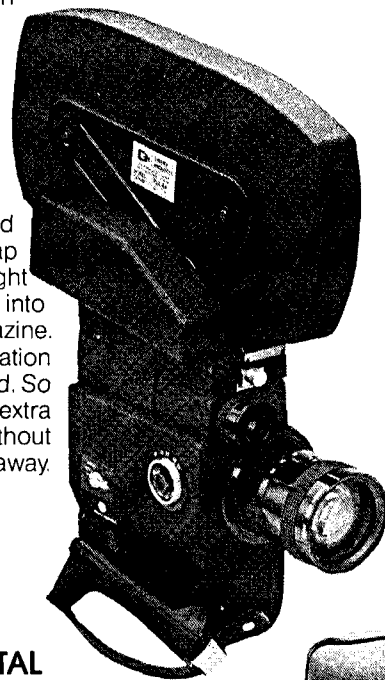


2 1 1/2X TELE-CONVERTER ATTACHMENT

This snap-on precision supplementary lens gives you tighter telephoto shots, by increasing the maximum effective focal length of Scoopic's lens to 112.5mm, with no loss of f-stop. (Also works with 12-120mm macro zoom.)

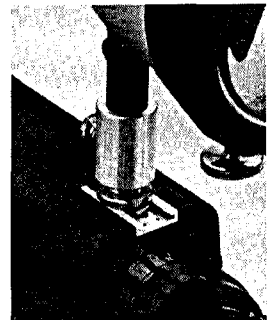
3 400' MAGAZINE ADAPTER

With this new factory installed adapter you'll be able to snap Cinema Products' new lightweight 400' Lexan™ magazine right into place. Or, a Mitchell 400' magazine. Better still, it won't affect normal operation using the Scoopic's 100' internal load. So for just a little, you've added a lot of extra production and sports capability. Without taking anything away.



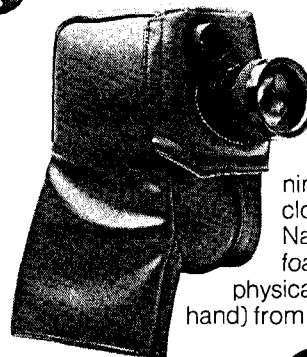
4 LIGHT BRACKET

This rugged mounting bracket with its positive safety locking nut, slips right onto the accessory shoe. So, you can put a lot of extra light on the subject without an extra pair of hands. The engine turned 1/2" stud gives any standard light a sure, non-slip grip.



5 CRYSTAL CONTROL UNIT

All you need is a recorder designed for crystal use, our new crystal unit, and a factory modification of your Scoopic... and you can shoot absolutely synchronized sound at 24 fps. The convenient built-in unit adds no extra bulk and you can also purchase a new Scoopic from your dealer with the crystal unit already installed.



6 SOUND BARNEY

The Barney you've been waiting for. It reduces Scoopic's running noise to levels compatible with close-in miking. Made of durable Naugahyde™ over high-density foam, it also helps protect the camera physically and insulate it (as well as your hand) from extreme cold.

At this point, you should either be very glad or very sorry. Both of which are very good reasons to see your Canon dealer. So do it soon.

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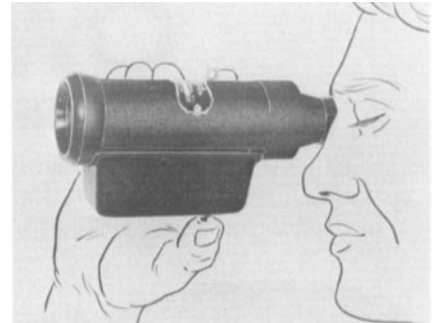
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and lighting directors. The patterns may be projected on scenery, cycloramas or floors for special effects. The new patterns include lacy trees, leaves, city lights, radial lines, whirls, antique lace and a variety of stars and clouds. The patterns are priced at \$9.50 each. A pattern adaptor for large spotlights to facilitate easy handling of standard size templates in the studio is also priced at \$9.50.



A monocular type light meter that measures motion-picture screen brightness and gives an fL reading in the field of view has been announced by Fotomatic Corp., 4030 W. 10 St., Indianapolis, IN 46222. The instrument can be aimed at any desired point on the screen to read one of two scales. Designated the FL Foto-Meter, it is said to provide accurate reflected light readings of any type indoor or outdoor screen from any angle. It reads an area of 2° within the total 20° view, making it possible to check small areas of the screen for either light balance or reflectivity. There are two different sensitivities, each with a separate scale. For outdoor screens, a high-sensitivity scale reads from 2 to 8 fL. For indoor screens, a low-sensitivity scale reads from 4 to 30 fL. The Foto-Meter is 7 in long and weighs about 12 oz. It is powered by mercury batteries. The price of \$187 includes a 90% reflectance card.



The Neutaper, a splicer for 16mm or 35mm film which uses tape, has been announced by Neumade Products Corp., 720 White Plains Rd., Scarsdale, NY 10583. Available in various models, Model 16-SW (shown above) has a wrap-around feature to apply tape to both sides of the film in one quick and easy operation. Model 16-SDS for the editor has a separate channel for full coat magnetic track for frame-by-frame editing of A & B rolls and a combination straight and diagonal cut. Models for 35mm for the booth and cutting room are available with a straight cut on the frame line or a diagonal cut through the frame as well as a combination splicer for a diagonal and straight cut. Other models are for microfilm — perforated or non-perforated — and filmstrips. Model 16-SW is priced at \$275. Model 16-SDS is priced at \$259.