

## 11th International Congress on High-Speed Photography

An Equipment Exposition will be held 16-20 September 1974 at the Imperial College in London in conjunction with the 11th International Congress on High-Speed Photography it was announced by Carlos H. Elmer, Box 875, Scottsdale, AZ 85252. Mr. Elmer is the United States Delegate to the International Committee on High-Speed Photographic Congresses. Potential exhibitors who have not heard from the Exhibition Managers may write directly to Mr. Elmer who will make sure that they receive detailed brochures giving space rates and stand sizes.

**The SPSE Second International Conference on Electrophotography** will be held 25-27 October at the Marriott Twin Bridges Hotel in Washington, D.C. In earlier years, electrophotography was covered as one of the unconventional or novel systems; however, at present it is regarded as a major, or even "classical" photoimaging system. The conference will provide an international view of electrophotography. Authorities from England, Germany, France, Belgium, Switzerland, Sweden, Canada, the USSR and the United States will present papers on color electrophotography, electrophotographic processes, photoconductors, electroradiography, organic photoconductors and materials, novel imaging processes, laser technology and optics, holography and solid-state devices, facsimile, ink jet printing and image analysis. Conference Chairmen are J. Gaynor and Win Taylor. Further information is available from Robert H. Wood, Executive Director, Soc. of Photographic Scientists and Engineers, 1330 Massachusetts Ave., N.W., Washington, DC 20005.

**An International Symposium on Imaging Materials and Systems** will be held 12-16 November in Tokyo, Japan, sponsored by the Tokyo Chapter of the Society of Photographic Scientists and Engineers. The SPSE Orient Adventure — a tour of oriental cities, including Hong Kong and Bangkok as well as Tokyo and other cities in Japan — has been arranged at reduced group travel rates for those attending the symposium. SPSE headquarters are at 1330 Massachusetts Ave., N.W., Washington, DC 20005.

**The National Bureau of Standards and the American National Standards Institute Committee X3L8 on Representations of Data Elements** are co-sponsoring a symposium on problems of the data manager in the design and maintenance of automated systems. The symposium will be held 24-25 January at the NBS offices in Gaithersburg, Md. Topics to be discussed include automated data element dictionaries; data element management successes

or failures; relationship of data management to programming languages and data definition or description languages; the organizational placement of the function of data element management; the economics of data contrasted with program and equipment investments; and the impact of changing the form of data presentations in integrated data bases. Further information is available from David V. Savidge, Chairman Program Committee, DATRAN, 8130 Boone Blvd., Vienna, VA 22180.

**The American Society of Mechanical Engineers (ASME) and the Canadian Society for Mechanical Engineers (CSME)** have pledged mutual coordination it was announced by ASME President Daniel C. Drucker and CSME President, D. L. Mordell. Also announced as part of the coordination program was the formation of the (ASME) (CSME) Associate Service. Each Society will offer to members of the other society a service (not membership status) providing (1) subscription to *Transactions* and other publications at member rates; (2) registration at meetings at member rates; (3) subscription to *Mechanical Engineering* or the *Engineering Journal*; (4) purchase of individual papers and coupons at member rates; and (5) registration in two Technical Divisions. Each society will appoint two representatives in addition to ex-officio members to constitute a continuing ASME-CSME Committee on Coordination.

**Technological Applications Project-Instructional Clearing House (TAP-ISC)** is working cooperatively with the National Center for Educational Technology and the National Institute for Education to provide the educational community with access to educational materials representing a systems approach to learning, according to a recent announcement. TAP-ISC accepts for consideration all ideas and materials which qualify as an instructional system (defined as "a tried and tested combination of materials and events which allow the learner consistently to achieve specified objectives.") Detailed information is available from: Project Director, TAP-Instructional Systems Clearinghouse, P.O. Box 494, Corvallis, OR 97330.

**Temple University** has announced that the 1974 Conference on Visual Anthropology will be held 6-9 March 1974. The conference is intended to bring together people interested in the use and analysis of behavioral recording media, including still and motion-picture film, video-tape and sound tape for the portrayal of the human condition. Further information is available from Jay Ruby, COVA, Dept. of Anthropology, Temple University, Philadelphia, PA 19122.

**Scottsdale Community College**, Pima and Chaparral Rds., Scottsdale, AZ 85253, has announced an evening course called Introduction to Motion-Picture Production. The course, intended to give students an understanding of the basics of motion-picture production, is taught by William Linsman, Special Projects Producer for KTAR-TV. Various phases of filmmaking are discussed in the classes including pro-

duction management, cinematography, sound recording, editing and directing. The course includes lectures, guest speakers from the local motion-picture industry, field trips and a class project — a 16mm film produced by the students as a team effort.

**Index 1973** to Kodak Information (L-5) is available from Eastman Kodak, Co., Motion Picture and Education Markets Div., Rochester, NY 14650. The 34-page illustrated *Index* lists Kodak publications issued in 1973 in 26 categories. The publications cover such general subjects as Amateur Photography, Motion-Picture Films, Motion Picture and TV Applications, and Black-and-White Processing and Waste Disposal.

**The Mediorama Catalog**, listing some 120 films shown at Mediorama held 12-20 May 1973 in Brussels, is available from the International Audio-Visual Technical Center Foundation, Lamoriniestraat 236, B-2000 Antwerp, Belgium. Mediorama 1973, a development of the International Labor and Industrial Film Festival first held in Belgium 20 years ago, has added an International Literature and Media Exhibition to the Film Competition and other Mediorama events. Sponsors of Mediorama 1973 included the Commission of the European Communities; United Nations Educational, Scientific and Cultural Organization; Food and Agriculture Organization of the United Nations; International Labor Office; World Health Organization; Organization for Economic Cooperation and Development; World Confederation of Labor; Confederation of Industries of the European Communities; World Union of Liberal Trade Union Organizations; International Contact Center for Film and Television Schools; International Catholic Film Office; and United Nations Conference on Trade and Development. Films participating in Mediorama were grouped in six categories — Information, Technology, Health and Safety, Research and Development, Sociology, and Feature Films (films dealing with professional, industrial, social or economic problems in nondocumentary form).

The catalog listings include brief descriptions of each film as well as such information as the name and address of the producer, running time of the film, etc. The catalog is in four languages — Flemish, French, German and English.

**The Video Disc Market Research Study** (200 pp.), prepared by the publishers of *Videoplayer Newsmagazine*, is available from Videoplayer Publishing Co., 13273 Ventura Blvd., Suite 213, Studio City, CA 91604, at a price of \$350. The report, prepared from data gathered over a three-year period from sources throughout the world, surveys hardware systems produced by Telefunken, Philips, MCA, RCA Corp., Zenith, Matsushita, Mitsubishi. Each system is described in the report, the descriptions including costs, specifications, advantages and disadvantages, market timetables, licensing forecasts and estimated sales projections through 1980.

**The Arriflex Image**, a new 16mm color film, is offered for screening without

charge to professional associations and their local chapters, groups of cameramen and other film professionals, film studios, in-plant and government photographic centers and accredited schools teaching film production anywhere in the 48 continental states. The film looks behind the scenes in the Arriflex design and manufacturing center of film equipment. It shows engineering and manufacturing procedures in a way that is basically informative. The film has two main sections. The first is concerned with design and manufacturing facilities and shows the meticulous testing and quality control that goes into every part and into each completed camera. The second part of the film goes "on location" to show filming crews in action and typical scenes from the pictures they have produced. Requests for screenings should be made on company letterhead and addressed to Arriflex Co. of America, P.O. Box 1050, Woodside, NY 11377.

**Recorded magnetic tape** for information interchange is the subject of American National Standard X3.14-1973. The document provides specifications for format and recording for a 1/2-in, 9-track magnetic tape to be used for information processing systems, communications systems and associated equipment utilizing the American National Code for Information Interchange (ASC-II) X3.4-1968. The Standard deals solely with recording on magnetic tape and supports and complements American National Standard Unrecorded Magnetic Tape for Information Interchange (9-Track 200 and 800 CPI, NRZI, and 1600 CPI, PE), X3.40-1973 where the following sections are dealt with in detail: general requirements, definitions, tape physical and magnetic requirements, tape reel and write-enable ring. ANSI X3.14-1973, which was produced under the secretariat of the Computer and Business Equipment Manufacturers Assn., is available from American National Standards Institute, 1430 Broadway, New York, NY 10018, at a price of \$3.25.

**An experimental laser beam scanner** operating at TV rates but projecting a picture with three to four times the detail of conventional TV has been built at RCA Laboratories. The scanner employs a newly developed, simple but highly efficient acoustic-optic deflector. It can be used for taking pictures as well as projecting them and may be used in the future in an advanced facsimile system that, in effect, would photograph at the sending terminal the picture it reproduces at the receiving terminal. The RCA system's pickup tube "photographs" spot by spot and line by line the reflection of the laser beam as it sweeps over a three-dimensional object. The signal from the pickup tube is electronically processed and then sent to the receiving terminal for conventional facsimile reproduction.

The scanner has two deflectors — vertical and horizontal. Since TV vertical deflection is relatively slow, a conventional oscillating galvanometer driven mirror is employed to direct the beam vertically. The fast-moving horizontal deflector, however, is an anisotropic Bragg device constructed out of paratellurite (TeO<sub>2</sub>). In developing the deflectors the RCA scientists found it necessary to devise a cold

press bonding technique for attaching RF transducers to the TeO<sub>2</sub> crystals. In addition to its high efficiency, the paratellurite deflector has the advantage of simple fabrication — it does not require the beam-steering mechanism of comparable deflectors. In addition, 1000-TV-line limiting resolution can be achieved with a deflector having a useful optical aperture of only 0.5 cm.

**The SBE regional convention** and equipment exhibit sponsored by the Binghamton, Scranton/Wilkes Barre and Syracuse chapters of the Society of Broadcast Engineers, Inc., Box 131, Dunmore, PA 18512, will be held 19 October at the Owego Treadway Inn, Owego, N.Y. A number of manufacturers will exhibit products used in broadcast engineering.

**The Rochester Copyright Symposium**, held 3 April 1973, where problems arising from the ease of duplicating audio and visual materials were discussed, extended through five hours of talks, discussions and questions-and-answers. The symposium is now available in its entirety as an 81-page transcript from Hope Reports, 58 Carverdale Dr., Rochester, NY 14618, at a price of \$25. A digest of 27 pages is available at a price of \$15. Audiocassettes of the six talks and the panel discussion (\$6.00 for each two talks on a tape or \$20 for the complete symposium) are also available. The six speakers were: Waldo H. Moore, Chief, Reference Div., U.S. Copyright Office, who gave the historical background and legal perspective of copyright as well as ideas for new laws; A. A. Keyes, Copyright Consultant, Canadian Government, who discussed the international copyright aspect and Canadian law; Howard B. Hitchens, Jr., Executive Director, Assn. for Ed. Comm. and Tech., who spoke on behalf of the educator who needs materials to use in teaching; Bella L. Linden, copyright lawyer of New York City, who urged "preservation of intellectual property"; Everett Gates, Head of the Music Education Div. of Eastman School of Music, a composer who has had some of his own work "pirated"; and Henry L. Lemkou, Jr., Medical Librarian of the University of Rochester's School of Medicine and Dentistry.

It was agreed that new technology with its many machines and techniques for duplication of materials had made obsolete the present copyright laws in the United States. For example, it was noted that: "Recording a program off the air, even a parade or the inauguration of the president is violating the copyright of the TV station or network originating the program"; however, Mr. Moore expressed doubts that Congress would "crack down on home recording off the air."

**A reorganization** of the Sales Dept. of Consolidated Film Industries, 959 Seward St., Hollywood, CA 90038, has been announced by CFI President and General Manager, Sidney P. Solow. Mr. Solow noted in the announcement that the reorganization was brought about because of the firm's increasing involvement with videotape as well as with film. Jerry Virnig is now Director of Motion Picture Sales which includes 35mm, 16mm and super-8

processing and initial contact relative to other CFI laboratory services, such as titles, optical effects, etc. Milt Shefter is Director of Videotape Sales and is responsible for all of the videotape sales services including videocassette duplicating. Irving Kahn continues as Director of Educational Sales and is responsible for film, videotape and videocassette sales service for the educational and medical areas.

**Quantel**, a new firm described as "a splinter group from IEA Laboratories," formed when IBA moved from London to Winchester, has joined forces with Micro Consultants Ltd., Interface House, Croydon Rd., Caterham, Surrey, England, in the development and production of digital video systems. The new company has as its technical nucleus Tony Stalley, as Managing Director, John Coffey and Peter Owen, all well known for their work in connection with the IBA digital field store converter — an exceptionally sophisticated piece of television electronics. Micro Consultants developed and produced the RAD series of Video AD-DA converters. Additional developments will be in such areas as digital radar, high energy physics, infrared systems and will include a number of special products.

**W. Vinten Ltd.**, Western Way, Bury St. Edmunds, Suffolk IP33 3TB, England, has announced the availability of Cinema Products cameras and accessories including the Auxiliary Front-Mounted VU Meter for the CP-16/A camera; the Mike/Light Bracket and the 3XL Magnetic Record/Playback head. (All three products are described on p. 530 of the June 1973 *Journal*.) Also now available in England, according to the W. Vinten announcement, is the modification to the CP-16 camera to provide a super-16 format.

**F&B/Ceco of California, Inc.**, 7051 Santa Monica Blvd., Hollywood, CA 90038, has been appointed exclusive western states dealer for the Javelin Night Viewing Device (*Journal*, p. 532, June 1973) by Javelin Electronics. The low-light-level device works on the principle of electronic light intensification, that is, weak light is gathered by a special lens, converted into an electron beam and amplified. The amplified beam is converted back into a light image 10,000 to 50,000 times brighter than the source.

**RCA Broadcast Systems** has established the Office of Product Assurance to coordinate all quality-control functions and provide continuity of control from product design to installation at the customer site, according to an announcement by Neil Vander Dussen, Division Vice-President, Broadcast Systems, who noted that the new office was part of an expansion of the Broadcast System's quality control activities. Head of the new office is F. Dean Galey, who has been with RCA Corp. since 1951, most recently as Manager, Quality Assurance, at the Broadcast System's Camden, N.J., plant. In his new post he will become a member of Mr. Vander Dussen's staff.

**PSC Technology Inc.**, 1200 Grand Central Ave., Glendale, CA 91201, plans to

open a Sales and Service Office in New York City early in 1974, according to a recent announcement. The new office is planned to open in conjunction with the introduction of the new Acme Model 105 Electronic Optical Printer which is expected to be commercially available in mid-1974.

**Parthenon Pictures**, 2625 Temple St., Hollywood, CA 90026, has acquired the entire capital stock and film properties of Datafilms which will operate as the film distribution division of Parthenon, concentrating on business and vocational educational fields. Key personnel will be Charles Palmer, President; David Bowen, Vice-President, Production; Audrey Kaczynski, Associate Producer; and Iona Harrison, Print Manager. Rampart Studios and Vidicom-8 Information Systems will continue to operate as Mr. Palmer's personal enterprises.

**Video Cassette Industries** has acquired the historic Aldrich Studios (where Mary Pickford made her first independent feature) at 201 N. Occidental Blvd. in Los Angeles, it was announced by President Hal Dasbach, who said that VCI has also purchased all the production equipment owned by the Aldrich Co. The studios will be renovated and renamed VCI Studios. Production and office space will be made available to independent producers on a rental basis. The studios contain two 8,000 ft<sup>2</sup> sound stages which can be used for both videotape and film production. As many as 27 offices, ranging from small individual offices to large executive suites

will be available for rental. Basic sets and a complete mill on the lot will be available to independent producers. The lot also contains editing facilities, a projection room and a theater as well as VCI's tape duplicating facility with a Sony D-100 videotape duplicator.

**Metropolitan Visual Products**, 453 W. 47 St., New York, NY 10036, has completed an exclusive sales agreement with Pyral, a French manufacturer of magnetic tape. According to the terms of the agreement MVP will distribute Pyral's super-8, 16mm and 35mm Fullcoat magnetic tapes as well as the complete line of videotapes.

**Nippon EVR Ltd.**, a Japanese-English-Swiss joint venture company (*Journal*, p. 559, July 1972), has started full-scale production of EVR cassettes at a new plant near Hiroshima, it was announced by L. R. Jesuele, Vice-President of EVR Systems, Inc., in Paramus, N.J. (*Journal*, p. 692, Aug. 1973). The new plant will produce hardware (players), software (programs) and processing (cassettes), the announcement stated.

**Rank Film Laboratories Ltd.**, Denham, Uxbridge, Middlesex, England, has installed the Hollywood Film Co. (HFC) panel printer (*Journal*, Progress Report, p. 354, May 1972) to meet demands of cinema distributors for 35mm feature films. The panel printer can print both picture and optical sound simultaneously with scene-to-scene color corrections automatically controlled by punch tape. A Bell &

Howell panel printer is in daily use at the Rank plant in London, the announcement stated. The panel printer can print in a forward or reverse direction without changing the color control bands during operation. Another advantage is its careful handling of negatives and color reversal internegatives. The machine can be preset to print automatically any section of a reel in bulk. It can print 3000 ft of film per run at a speed of 240 ft/min when scene-to-scene color corrections are needed or at 480 ft/min when color balanced internegatives are used.

**Hervic Corp.**, 14225, Ventura Blvd., Sherman Oaks, CA 91403, has announced the availability of the Stellavox SP 7 Professional Tape Recorder manufactured by Stellavox in Hauterive, Switzerland. The recorder, designed to be compact, durable and extremely lightweight (8 lb), has a system of plug-in head assemblies providing for the following modes of sound operation: monaural; monaural with Neo-Pilot (for synchronized filming); stereo; and stereo with third track Synchronone for filming, slide synchronization or cuing.

**David J. Chapman** has been appointed Marketing Manager for Ampex International, it was announced by B. A. Olerich, Vice-President of Ampex Corp., 401 Broadway, Redwood City, CA 94063, and President of Ampex International. Mr. Chapman has been with Ampex since 1959. He was formerly Product Manager for Audio, Video and Instrumentation Products International.

**Nicholas G. Vracin** has been appointed to the newly created position of Sales Manager for DeLuxe General, 1546 N. Argyle Ave., Hollywood, CA 90028, it was announced by Neal Keehn, Vice-President, Marketing. Mr. Vracin's responsibilities include supervision of the daily activities of the sales department, planning sales promotional programs and activities, reviewing the company's total customer servicing effectiveness and developing systems for the closer coordination of the sales and the production departments.

**Caywood C. Cooley, Jr.**, has been appointed Vice-President of the Cable Communications Div. of Comcast Corp., 227 Barclay Bldg., Bala Cynwyd, PA 19004. He was formerly a Vice-President of the Magnavox CARV Div., Jerrold Corp. and TelePrompTer Corp. In his new post he will be responsible for the engineering, planning and construction implementation of TV cable systems in the greater Philadelphia area where Comcast holds a number of major franchises.

**Patrick T. Kurtz** has been appointed Program Director for Eastman Kodak Co.'s Marketing Education Center's (MEC) Motion Picture and Education Markets Div. and Wayne P. Baldino has been appointed Coordinator of Operations, MEC. Mr. Kurtz has been with Kodak since 1962. His most recent post was that of Marketing Education Specialist. Mr. Baldino has been with Kodak since 1963. His most recent post was that of Education Specialist, Management and General Education.

**Binders for  
SMPTE - sponsored  
American  
National  
Standards  
and  
SMPTE  
Recommended  
Practices**

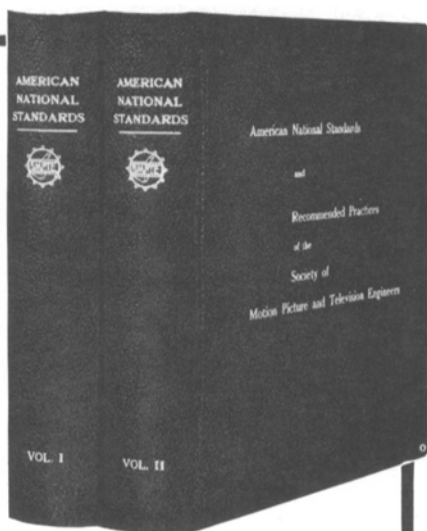
for convenience in assembling and storing your file of  
Standards and Recommended Practices.

Order these high-quality, durable leatherette ring binders, in sets of two, from SMPTE Headquarters. Price per set including mail charge: \$11.00: North American Continent; \$12.00: Elsewhere.

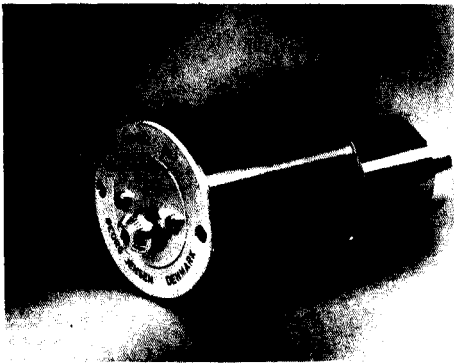


**Society of Motion Picture  
and Television Engineers**

862 Scarsdale Ave., Scarsdale, NY 10583



# Crystalize Now!

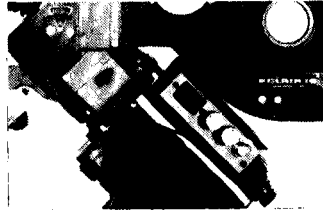


**Arri S or M Model 504**

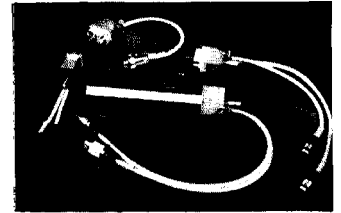
- With the unique Jensen 504. \$975
- Automatic out-of-crystal sync safety stop.
- No cables or adaptation — simply slip into camera and crystal sync with other cameras, recorders.
- Uses your standard battery and cables.



**Arri BL Model 505**  
\$775



**Eclair NPR Model 508 Conversion**  
\$975



**Any Tape Recorder Model 550**  
\$250

SEE US AT BOOTH 3 AT THE SMPTE SHOW OCT. 14-19 NEW YORK

## New Crystal Checker!



Model X-24 (24fps) or X-25 (25fps) only \$200.

Slip the new IDI Crystachek out of your pocket, switch it on, and point the internally crystal controlled flashing light at your shutter to check camera speed to 24 frames  $\pm 0.001\%$ . A model is available with external reference so you can match recorder and camera crystal.

IN MIAMI  
YOUR CINE  
EQUIPMENT RENTAL  
SALES & SERVICE SOURCE  
FOR  
S.E. USA • CARIBBEAN • BAHAMAS

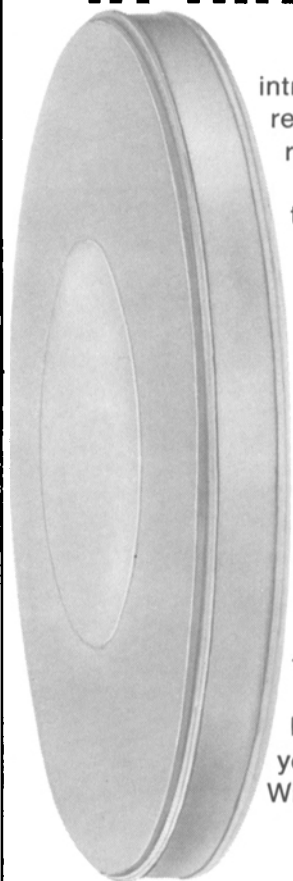
*Esoteric Sight & Sound Equipment*

**Image Devices Incorporated**  
811 N W 111 STREET • MIAMI, FLORIDA 33188 USA  
Telex 61-8348 Cable IMAGEMIAMI Phone 305/764-4141



# 1/32 of an inch

## The mini-revolution in film cans



It's not a big revolution like when we introduced break, bend, bind and crimp-resistant Plio-Magic, but we think you'll really like what we've done.

First, we've added neat little  $\frac{1}{32}$ " lips to the sides of our Plio-Magic Film Cans. You simply grip the lips and the can opens the way it should: easily.

Next, we slimmed down the rim on the front of our can by  $\frac{1}{32}$ ". Now the can fits every shelf regardless of make.

We call our mini-revolution film can the Plio-Magic Slim-Grip. It gives you more than any other can on the market today. Color coding for faster storage and retrieval. All the sizes you need: 400, 800, 1200 and 1600 feet. Exceptional resistance to abuse, easy opening and, of course, a new slim size that fits all shelves.

Now you can standardize on Plio-Magic Slim-Grip, the film cans that give you everything.

Write for full details and prices, today.

### Slim-Grip

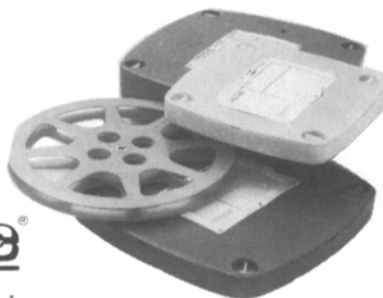
It looks like a standard Plio-Magic Film Can, but it does more than any other can on the market today and it fits every shelf regardless of make.

## PLIO-MAGIC®

Plastic Reel Corporation of America

Subsidiary of Williamhouse-Regency, Inc.

Dept. C10, 640 South Commercial Avenue  
Carlstadt, New Jersey 07072



**P. Kim Packard** has been appointed General Manager of the CATV Equipment Installation Operation of GTE Sylvania Inc., 114 S. Oregon St., El Paso, TX 79901, it was announced by Gordon L. Fullerton, Senior Vice-President for electronic components. Mr. Packard has been with Sylvania since 1960. His most recent post was that of Operations Manager, Cathode Ray Tubes for the Electronic Tube Div. In his new post he will be responsible for all activities of the operation which manufactures cable communications equipment and offers turnkey installation services to CATV systems operators.

**Eastman Kodak Co.**, 343 State St., Rochester NY 14650 has announced six appointments in the United States and Canadian Photographic Div. **Herbert L. Rees** has been appointed Assistant Director, Photographic Program Development in the U.S. and Canadian Photographic Div. He was formerly Assistant Manager, Film Manufacturing Organization. **Harry R. Beilfuss** will assume Mr. Rees's responsibility for all development programs administered by the film manufacturing organization.

**George H. Greer** has been appointed Assistant Manager of the Film Manufacturing Organization. He was formerly Superintendent of the Roll Coating Div.

**Myron B. Kinney, Jr.**, has been appointed Superintendent of the Roll Coating Div., Film Manufacturing Organization. He was formerly Assistant Superintendent.

**Ingwald Olson** has been appointed Assistant Superintendent of the Roll Coating Div. He was formerly Senior Technical Associate.

**Cornelius J. Murphy** has been appointed Assistant Manager, Paper Manufacturing Organization. He was formerly Assistant Director, Paper Service Div.

**Roy D. Cahoon** retired 1 July as Vice-President, Engineering, of Canadian Broadcasting Corp., Montreal, Canada. His successor is **Norman Grover**. The announcement was made by Laurent Picard, CBC President, who also announced the appointment of André Ste-Marie as Assistant Vice-President.

Mr. Cahoon joined CBC's predecessor, the Canadian Radio Broadcasting Commission, in 1935 as studio construction engineer at Ottawa. A year later he became special operations engineer at the CBC Engineering Headquarters in Montreal. Through the years he held various engineering and managerial posts. He was appointed Vice-President of Engineering in July 1969.

Mr. Grover joined CBC in 1945 as a Broadcast Operator at Halifax. From 1947 to 1949 he was Senior Maintenance Technician with CBC International Service (now Radio Canada International) in Montreal before joining the Engineering Headquarters Staff where he held various posts. In 1969 he was made Director of Engineering, Studio Facilities.

Mr. Ste-Marie joined CBC in 1942 as a Broadcast Operator at CBF, Vercheres, Quebec. He joined Engineering Headquarters in Montreal in 1943 and was made Director of Engineering, Transmission Facilities in 1969.

cut along dotted line



## How much do you want to know about BOLEX 16 PRO?

### I'd like to know more about:

#### THE MAGAZINE

- Coaxial for 400' reels or cores.
- Compact light and inexpensive
- Sprocketless design for quick loading
- Footage counters for each chamber
- Rear-mounted for optimum mobility

#### FILM THREADING

- Fully automatically in 3 seconds
- Fully automatic film take-up in 400' magazine
- Signal light tells when camera is ready to shoot
- Light signals when empty
- Built-in cutter for removing partially exposed film

#### MOTOR DRIVE

- Crystal controlled for sync sound filming
- One electronically controlled motor for all filming needs
- Variable speeds 16 to 50 fps; 16-100 fps models available
- Forward and reverse
- Single frame filming
- Instant start and stop—no blank frames between scenes

#### SOUND

- Double system at 24 or 25 fps
- Super quiet—no blimp needed
- Wireless synch sound shooting with accuracy  $\pm 1$  frame per 1,000 feet
- Automatic slating lamp
- Single system sound model available

#### FILMING AUTOMATION

- Fully automatic exposure control
- Variable speed power zooming
- Variable speed power focusing
- All controls built into handgrips
- Manual over-rides on all controls
- Remote control possible for all functions

#### EXPOSURE CONTROL

- Automatic, through-the-lens
- Manual over-ride
- Film speeds of 12 to 1600 ASA
- Meter coupled to camera speed control
- f-number visible in viewfinder
- Audible signal when insufficient light

#### LENSES

- Wide range of zoom lenses
- Extreme wide angle lens
- Rugged bayonet mount
- Lens controls coupled to servo motor
- Silent operation of powered lens controls
- Shock-absorbing rubber lens shade

#### VIEWFINDER

- Practically flickerless mirror shutter reflex viewing
- Camera stops without mirror blackout
- Possibility of right or left-eye viewing
- 20X magnification
- Instant change from ground glass to clear glass
- TV and 16mm frame markings
- Can be rotated 45, 90, and 180 degrees
- Indicates f-stops
- Remote viewing possibility

#### FILM TRANSPORT

- Very low pressure required at pressure plate
- High-precision single tip claw transports and registers film
- Superb picture steadiness better than 0.1%

#### POWER PACK

- 12V rechargeable battery
- Plug-in electronic modules
- Plug-in crystal synch controls
- Outlets for connecting tape recorder, time lapse units and other accessories
- Choice of powerbelt or powerpack
- Signal light on camera shows condition of battery
- All of the above

### BOLEX 16 PRO

If, in addition to information, you'd like a demonstration of the Bolex 16 PRO, write Pailard Incorporated, 1900 Lower Road, Linden, New Jersey 07036. We'll notify you when we'll be in your neighborhood.

NAME \_\_\_\_\_

AFFILIATION \_\_\_\_\_

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

For countries outside the U.S.A., write Bolex International S.A., 1450 Ste. Croix, Switzerland

cut along dotted line

**Bob R. Boatman** has been appointed to the newly created post of National Sales Manager for the Minicom Div. of 3M Company, P.O. Box 33600, St. Paul, MN 55133. He joined 3M in 1952 and has held several sales positions since that time.

**Robert W. McAll** has been appointed Product Manager of Professional Products Marketing, CBS Laboratories, High Ridge Rd., Stamford, CT. 06905, it was announced by Robert W. Cochran, Director

of Marketing, Professional Products. Mr. McAll was previously Northeast Technical Representative and Senior Field Engineer for Tektronix, Inc. In his new post, Mr. McAll will be responsible for new product planning and technical marketing services which will include Field Service Programs. Products presently being marketed by the Professional Products Dept. include several lines of signal conditioning equipment for the radio and television industries, as well as character generators such as the CBS Laboratories Vidifont system for electronic graphic displays.

**David Cook** has been appointed Vice-President of the Optical Systems Div. of Itek Corp., Lexington, MA 02173, it was announced by Franklin A. Lindsay, Itek President. Mr. Cook has been with Itek since 1959. In his new post he will be responsible for major programs, advanced development and marketing.

**Ralph W. Beaudin** has been appointed Radio President, Broadcast Div., Combined Communications Corp., P.O. Box 25518, Phoenix, AZ 85002, and George Guyan has been appointed Administrative Assistant to the President of the CCC Broadcast Div., it was announced by Karl Eller, CCC President and Alvin G. Flanagan, Broadcast Div. President, who noted that the new appointments, were made as part of an expansion program in the Broadcast Div.

Mr. Beaudin has also been appointed President and General Manager of KTAR Radio in Phoenix. Among other responsibilities, Mr. Guyan will have that of assuring compliance with regulatory responsibilities of the CCC stations, including license renewals of both radio and television properties.

**Sylvan Howard** has been appointed Marketing Manager of the newly formed 16mm Industrial, Education and TV Dept. of Movielab-Hollywood, Inc., 6823 Santa Monica Blvd., Hollywood, CA 90038, it was announced by Arnold Diamond, President. Mr. Howard has had many years of experience in the motion-picture industry having served in various sales and public relations posts.

**Norman Green** has been appointed to the newly created post of Coordinating Engineer to the Independent Companies Assn., Knighton House, 52-66 Mortimer St., London WIN 8AN, England. Mr. Green was formerly with Independent Broadcasting Assn. where he was Senior Engineer in the Quality Control Section. He was previously employed by ABC/Thames in the Engineering Research Group where he worked on the development of film assessors and the use of digital techniques in studio operations. In his new post he will support the ITCA Technical Committee and the Research and Development Subcommittee by liaison with the Programme Companies and with national and international technical bodies.

**Daniel C. Drucker**, the 92nd President of the American Society of Mechanical Engineers, United Engineering Center, 345 E. 47 St., New York, NY 10017, in his inaugural address delivered 9 July at the ASME Summer Annual Meeting in Philadelphia, stressed the need for the ASME to take definite positions on important issues. "Occasionally . . . we may find ourselves in the embarrassing situation of not being able to arrive at consensus, or of reversing our official stand after mature reflection. Such infrequent embarrassment is preferable to the greater one of holding to a wrong position or, even worse, taking no position at all," he said. Dr. Drucker is Dean of the College of Engineering, University of Illinois, Urbana, Ill. The ASME was founded in 1880 as an educational and technical society with the

**same day**  
16mm/super 16  
**DEVELOPING**  
**and PRINTING**  
commercial & high speed  
**Ektachrome**  
And B&W Reversal

**ANSWER PRINTS**  
**SWIFTLY ON**  
Ektachrome 7389-90  
with silver track sound

**bébèll**<sup>®</sup>  
INCORPORATED  
MOTION PICTURE LAB DIVISION  
416 West 45 St. New York 10036  
**PHONE: (212) 245-8900**  
WRITE, WIRE, PHONE FOR PRICE LIST

16mm/super 8  
**Internegatives**  
**CRIs**  
**Masters**

16mm/super 8  
**release**  
**prints**  
EastmanColor  
& Ektachrome

You can save a big piece of your  
bleach costs and a small piece of our  
environment



with the  
**Hunt Cine Color Bleach  
Regeneration System.**

Would you believe over a 20% saving on bleach costs? You should, because Hunt has developed the unique, low-cost Hunt Cine Color Bleach Regeneration System. It's reliable, easy to use and completely free of complicated procedures.

The system is based on reuse of your Hunt Cine Color Bleach overflow. By restoring the active bleaching agent. And that means your need for "new" bleach is drastically reduced.

Pollution abatement is another valuable benefit you get from the exclusive Hunt Regeneration System.

Professional laboratories and TV news departments will probably find that the most satisfying part of the Hunt System is its simplicity. All you need is a collection tank for the bleach overflow, the Hunt Cine Color Bleach Test Kit and Bleach Regeneration Chemistry.

This "uncomplicated," low-cost bleach regeneration system is only one reason why you should join the ranks of professionals using Hunt Cine Color Chemistry for processing Ektachrome films.

If you want to do something about lowering your bleach costs, and saving a piece of the environment, you should call a Hunt branch or sales office.



Imaging Specialists in Photographic and Platemaking and Reprographic Chemical Systems  
**PHILIP A. HUNT CHEMICAL CORPORATION**  
PALISADES PARK, NEW JERSEY • PHILIP A. HUNT COMPANY (CANADA) LTD. TORONTO

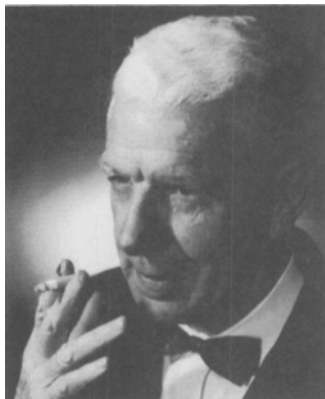
objective of developing and disseminating technical information and of assisting in the maintenance of a high level of ethical conduct within the profession.

**A. Norman Into, Jr.**, has been appointed President of Television Microtime, Inc., 1280 Blue Hills Ave., Bloomfield, CT 06002, a wholly owned subsidiary of An-

derson Laboratories, Inc. C. Robert Paulson has been appointed Vice-President for Marketing and David E. Acker has been appointed Vice-President for Engineering, it was announced by Francis E. Baker, Jr., President of Anderson Laboratories. Mr. Into has been with Anderson since 1968. As TMI President he will direct the overall corporate program with particular emphasis on the Engineering and Marketing programs. Mr. Paulson joined TMI in 1972 as

Acting General Manager. He had previously been with Ampex Corp. where he designed and marketed magnetic recording devices used in instructional, CCTV and broadcast television. David Acker has been with Anderson since 1966. In his new post he will be responsible for design improvements and new product developments for the company. Among other products TMI designed and manufactures Time Base Correction equipment.

## Obituaries



**Reginald S. Rekert**

Affectionately known as "Tex," Col. R. S. Rekert, a Fellow of the SMPTE, died suddenly 6 August 1973, at the age of 72 at his country home, Oxford Station, Ont.

Colonel Rekert's career started at the age of 15 when, in 1916, he enlisted at London, England, in the Canadian Army. He returned to Canada after the war and homesteaded a section of land in Saskatchewan in a partnership arrangement which terminated after two years. His Army career continued over a 30-year span with the Regina Regiment where he became its Colonel-in-Chief in the 1930's. He re-enlisted in 1940 and was sent to England, returning to Canada in 1943.

In 1944, he was appointed Chief Purchasing Agent of the National Film Board, a position which he held until his retirement in 1965. It was characteristic of his varied interests that he found time to play a very active role in the SMPTE which culminated in his appointment as Local Arrangements Chairman of the very successful 1965 Conference in Montreal. Throughout his career with the National Film Board, Tex Rekert was friend, confidant, advisor and critic to film industry people. It was a rare day when a senior executive of a Canadian or American organization did not seek a candid opinion from the "Colonel."

Tex Rekert maintained a broad spectrum of interests. In his earlier days, while living in Regina, he was actively engaged in minstrel shows and was an accomplished singer, clarinet player and composer. His interest in art led to his becoming President of the Ottawa Valley Art Association in 1950. His paintings have been purchased and displayed as far afield as New York and all across Canada.

At his Oxford Station farm home, Tex had been developing an orchard of pears and apples and had gained considerable success with dwarf fruit trees. He maintained a lively interest in sports and politics and in recent years completed an extensive research, in book form, of some 30 years of Army and historical experiences.

Tex Rekert pursued his interests with enthusiasm and dedication and continued to maintain a lively interest in the SMPTE after retirement. At the time of his death he was preparing a series of statistical studies on the editorial content of the *Journal*.

Tex Rekert was a true renaissance man of his era, a rare blend of warm sympathy and caustic wit who will be remembered with great affection by those who were privileged to work with him and to be counted among his wide circle of friends.  
— Gerald G. Graham

### Bela Gaspar

Bela Gaspar, a pioneer in color photography died 7 January 1973 at his home in Beverly Hills, Calif., after a long illness. Described by his contemporaries as a "genius" and as a "gifted but eccentric inventor," his developments in color photography are now in universal and worldwide use. He began work in color photography in 1926 and developed two basic principles of color photography — (1) integral mask of color negatives and (2) filterless layer arrangement. His first public demonstration of the multilayer subtractive tricolor film took place 25 October 1933 in Berlin at the 118th meeting of the German Kinotechnical Society.

He developed the dyebleach color process for color motion pictures and still photography. His method of the bleachout, or dye destructive, method in an integral tripack material was named Gasparcolor. He demonstrated the method on 18 October 1951 at the SMPTE 70th Semiannual Conference in Los Angeles. He also developed material for making automatic color separations and automatic masking as an alternative method to the integral mask.

In 1931 he developed a method of making a silver soundtrack in subtractive multilayer film by local redevelopment or blackening of a silver halide sound image.

He held more than 120 U.S. patents and many foreign patents. In 1955, Eastman Kodak Co. obtained from Gasparcolor, Inc., (of which Dr. Gaspar was founder and President) the rights to the inventions

and patents dealing with the arrangement and color sensitivity of emulsion layers in a multilayer, multicolor photographic film.

In 1969, Dr. Gaspar announced that he had re-acquired certain patents, including the patent for the dyebleach process known as Gasparcolor and had re-established his laboratory.

His pioneer work in color photography was recognized in 1970 when he was made a Fellow of the Society.



**William Nafash**

William Nafash died suddenly 22 August 1973 at the age of 69. At the time of his death he was Chief Projectionist for Radio City Music Hall in New York. A native of Pawtucket, R.I., he had lived in New York since 1925. He joined the Music Hall staff in 1958. During his years with the Music Hall, he had also travelled on behalf of the United States Government to various countries (including the USSR and Afghanistan) where he set up United States exhibits.

In 1962, he set up the 35mm equipment for the Department of Commerce in five buildings for the U.S. Exhibit at the Seattle World's Fair. In 1964-65 he set up equipment in six of the exhibitions for the New York World's Fair including those belonging to Kodak, United Airlines, General Motors, Johnson's Wax, the DuPont Twin Pavilions and the New York Telephone Company.

During Montreal Expo 67, Mr. Nafash set up, maintained and dismantled the equipment used in the Canadian Bell Telephone 360° Theatre of the U.S. Pavilion and *Man and His World*. In 1968 he set up the 70mm multiscreen presentations for the U.S. Pavilion at the San Antonio Hemisfair and in 1970 at Expo 70 in Osaka, Japan.

He joined the SMPTE in 1965.