

# Erratum

Progress Report for 1974  
Filmline Corp.  
MAY 1975 JOURNAL, p. 357

Two extremely regrettable errors occurred in the publication of the report from Filmline Corp. for the 1974 Progress Report. First, the five new machines

with Filmline's patented Micro-Demand® drive installed at Technicolor's new plant in North Hollywood are not merely additions to the Filmline line but are entirely new machines designated as the Filmline Model DG-300-35 35/32-ECP-2.

The second error was in the titles for

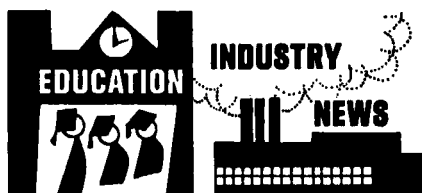
Figures M-19 and M-20, also on page 357. The titles should have read "installed at Technicolor" and *not* "manufactured by" — an entirely erroneous statement. Figures M-19 and M-20 are reprinted with the correct titles. The Micro-Demand® drive is covered by a Filmline patent.



Fig. M-19. Light section of two Filmline Micro-Demand® ECP-2 film processors.



Fig. M-20. Dark section of Filmline Micro-Demand® ECP-2 film processor.



The Third Annual Midwest Seminar on Videotape and Film will be held 17-18 October in Chicago. Invited papers will be presented by Robert Pfannkuch, Vice-President of Bell & Howell; Wilton R. Holm, Vice-President and Executive Director of the Motion Picture and Television Research Center; Thomas W. Hope, publisher of *Hope Reports*; and Jack B. Spatafora, Director of the New Trier Township Film Cooperative in Winnetka, Ill. Mr. Pfannkuch will speak on "The State of the Art in Videotape." Mr. Holm's topic will be "State of the Art — Immixture." Mr. Hope will speak on "Communications — an Overview." Mr. Spatafora will speak on "Applications of Film and Videotape in Education." The Seminar is devoted to stimulating the use of film and videotape as interrelated media in business, education, medicine and other fields. Further information is available from Ted Compton, Compton Communications, 800 Enterprise Dr., Oak Brook, IL 60521.

The Society of Photo-Optical Instrumentation Engineers (SPIE) will hold its 19th Annual Technical Symposium 18-22 August in San Diego, Calif. The Symposium will focus on eight critical areas of current technical interests including Ocean Optics; The Design and Manufacture of Metal Optics; Guided Optical Communications; Infrared Applications; Optics in Solar Energy Utilization; Long Wavelength Infrared; Efficient Transmission of

Pictorial Information; and Optical Design Considerations for Laser Systems. Further information is available from SPIE, 338 Tejon Pl., P.O. Box 1146, Palos Verdes Estates, CA 90274.

The International Council for Educational Media will hold its 1975 Conference 1-3 October at the Scottish Centre for Educational Technology, 12 Rose St., Glasgow G3, Scotland. Theme of the Conference is The Impact of Resource-Based Learning. Sessions will cover various aspects of resource-based learning highlighted by special film and videotape presentations.

International Electronics Convention '75 will be conducted by the Institution of Radio and Electronics Engineers 25-29 August at the University of New South Wales. A comprehensive display of electronic equipment and developments will cover some 30,000 ft<sup>2</sup> and more than 250 technical papers will be presented. Further information is available from The Institution of Radio and Electronics Engineers Australia, 157 Gloucester St. Sydney 2000, Australia.

The National Communications Forum (NCF) and National Electronics Conference (NEC) will be held 6-8 October in Chicago. The conference program will include 18 Technical Paper Sessions reflecting the current state of communications technology and 12 New Technology Seminars providing more detailed treatment of selected topics. There will also be panel discussions concerned with the general topics of programming productivity and the future of digital switching. Further information is available from the NEC office, Suite 103, 1301 W. 22 St., Oak Brook, IL 60521.

The 7th Technifilmfest (Budapest Festival of Technical Films) will be held 15-22 March 1976. At the last Technifilmfest more than 200 films from 20 countries were shown. Films in super 8, 16mm and 35mm will be shown at the forthcoming Festival in such areas as documentation, information, public relations, education and popularization. Further information is available from OPAKF1, 7th Festival of Technical Films, Organizing Committee, Anker kös 1, H-1061 Budapest, Hungary.

Temple University will hold its 1976 Conference on Visual Anthropology 10-13 March 1976. The conference brings together people interested in the use and analysis of behavioral recording media, including still and motion-picture film, videotape and sound tape, for the portrayal of the human condition. The conference will employ a variety of formats — screenings with and without discussions, panels, conversations with photographers and filmmakers, workshops and informal discussions. Further information is available from Jay Ruby, COVA, Department of Anthropology, Temple University, Philadelphia, PA 19122.

The CP-16 Maintenance Training Seminar will be held 26-27 September at the Cinema Products plant in West Los Angeles. It is designed for TV-newsfilm/documentary cameramen, TV station and dealer service technicians. The emphasis will be on effective troubleshooting, preventive maintenance and simple repairs of CP-16 camera systems under field conditions. One of the highlights of the Training Seminar will be a special session dealing with the use, care and maintenance of both zoom and fixed focal lenses. The special session will be led by Bern Levy, Motion Pic-

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ture Optics Manager, Angenieux Corp. of America. He will be assisted by Claus Zedler, Robert Jagemann and Walt David, all of Angenieux Corp. Further information is available from Ed Clare, Seminar Coordinator, Cinema Products Corp., 2037 Granville Ave., Los Angeles, CA 90025.

**Television producer Ralph Andrews** has established two tuition scholarships to the American Film Institute's Center for Advanced Film Studies for first-year women Fellows, it was announced by Martin Manulis, Director AFI-West. "The scholarships are limited to women," Mr. Andrews said, "to aid in bringing them into equal status with men in the entertainment area where they have been held down much too long." Headquarters for AFI are at The John F. Kennedy Center for the Performing Arts, Washington, DC 20566.

**The Committee on Film and Television Resources and Services**, 80 Wooster St., New York, NY 10012, is preparing a comprehensive report on the problems facing the moving image in America today. A draft report is presently available upon request for the purpose of eliciting responses that will be considered for incorporation in the final report expected to be ready for distribution by the end of 1975. (The draft report is not for review or quotation.) Resulting from more than two years of research, polls, interviews and intense discussions, the report will explore the background and needs of independent filmmaking, nontheatrical film distribution and exhibition, film preservation, film study and the special problems of video.

The Committee members are: Fred Barzyk, WGBH (Boston); James Blue, Director of the Media Center, Rice University (Houston); Eileen Bowser, Film Archivist, Museum of Modern Art (New York); John Culkun, Director of the Center for Understanding Media (New York); Film Educator Frank Daniel (Los Angeles); Sally Dixon, Curator of the Film Section, Museum of Modern Art, Carnegie Institute (Pittsburgh); Peter Feinstein, Director of the University Film Study Center (Cambridge); Denise Jacobson, Director of the Northwest Media Project (Portland); John Kuiper, Head of the Motion Picture Center of the Library of Congress (Washington); Jonas Mekas, Director of Anthology Film Archives (New York); Gerald O'Grady, Director of the Center for Media Study (Buffalo); Public Television Producer Sheldon Renan (San Francisco); David Stewart, Assistant Director for Special Projects of the Corporation for Public Broadcasting (Washington); Screenwriter Daniel Taradash (Hollywood); and Independent Video Artist Steina Vasulka (Buffalo).

**The Audio-Visual Equipment Directory 1975-76**, 21st edition, is available from National Audio-Visual Assn., 3150 Spring St., Fairfax, VA 22030, at a price of \$15.00 per copy (\$13.50 if payment accompanies the order and \$10 per copy in orders of 10 or more). The price to firms commercially engaged in the audiovisual industry (dealers, manufacturers and producers who are not NAVA members) is \$22.50 per copy. An additional \$1.00 is added to all orders for handling and shipping charges.

The new *Directory* contains 482 pages and provides information on some 2,000 audiovisual products from more than 500 manufacturers. More than 1600 items are illustrated.

Specifications including price, model, weight capacity, accessories and technical details are given for each piece of equipment. There is an index to hundreds of trade names. Dealers are listed alphabetically and, in the "Where to Buy It" section, geographically. Complete addresses and telephone numbers are given.

For the first time all listings include, where appropriate, synchronization frequencies to make it easy to match projection and audio equipment to program material. Also newly included are standardized amplifier continuous power output ratings for projectors and recorders as defined in ANSI Standard PH7.2-1974.

**Film Review Digest**, a new quarterly journal devoted exclusively to motion-picture reviews, has been announced by the publishers, Kraus-Thomson Organization, Ltd., Millwood, NY 10546. The new periodical will make available in a single reference source brief excerpts of film reviews published in more than two dozen of the world's major newspapers and magazines. The excerpts will serve to contrast critical points of view and provide comment on specific aspects of a film including plot, direction, theme and the work of key players. Some 100 current motion pictures will be alphabetically listed each quarter with a detailed index in each issue. An annual hardbound supplement will contain a cumulation of the previous year's films and reviews together with a cumulative index. The annual subscription rate for *Film Review Digest* including the hardbound cumulation is \$45.

**ANSI Standard on Photographic Processing Effluents**, PH4.37-1975, a 42-page booklet is available from American National Standards Institute, 1430 Broadway, New York, NY 10018, at a price of \$6.50. The standard identifies some two dozen chemicals that may be present in wastes discharged from photographic processing plants. Some of them — cyanide for example are potentially toxic. The standard does not specify which chemicals may be harmful or what concentrations of them should be allowed. Setting such limits, it notes, is the responsibility of regulatory authorities. The purpose of the standard is to identify, for the use of both photographic processors and regulatory agencies, the preferred test methods and procedures for determining the presence and concentration levels of potential pollutants.

**IEC (International Electrotechnical Commission) Publication 503**, first edition, specifying the types of reels to be used on videotape machines using 1-in (25.4-mm) tape, is available from American National Standards Institute, 1430 Broadway, New York, NY 10018, at a price of \$2.40. Publication 503 refers to professional machines for broadcast or nonbroadcast use. In the case of professional broadcast use the spools shall conform to ISO Standard 1860 for precision reels. In the case of professional nonbroadcast use the spools shall conform to ISO Recommendation 1858.

**The Cedar Point Cinema**, a \$2 million motion-picture theater using the Imax motion-picture system, was opened 5 June, it was announced by Cedar Point, Inc., Sandusky, OH 44870. The screen towers 67 ft above the floor of the theater on an arc 90 ft wide creating a wrap-around effect for 950 viewers. At present only four specially-built cameras exist that can film an Imax motion picture, the announce-

ment noted. The cameras utilize horizontally moving 65mm film — the larger the frame area the more picture information is recorded. In addition to the huge screen — almost as high as it is wide, a special projector is used. A wide-angle lens, an extremely powerful lamphouse, and a sound system of six independent channels complement the effect created by the size of the screen and the Imax film system. The Imax system was first used at Expo '70 in Osaka, Japan. A year later Ontario Place in Toronto introduced Imax to North America with some six million people attending the theater during the first four seasons. Ringling Bros.-Barnum & Bailey Circus World Showcase near Orlando, Fla., was the third to use the Imax system and the United States Pavilion at Expo '74 in Spokane was the fourth.

The Cedar Point Cinema occupies an area of 19,000 ft<sup>2</sup>. The floor of the theater rises at a 21° angle from the screen to the top row to avoid any head obstruction. (Most conventional theaters have a 6° elevation.)

**A tubeless television camera**, potentially no larger than a pack of cigarettes, is being developed by RCA Corp. for possible use in NASA's advanced space missions, it was announced by RCA Astro-Electronics Div., Princeton, NJ 08540. The prototype black-and-white camera will employ a charge-coupled device (CCD) to make possible an ultrasmall, lightweight camera capable of operating in space on very low power. The CCDs are about the size of postage stamps and perform the same functions as vidicon or other pickup tubes in conventional cameras. Those planned for use in the space camera are 512 × 320 element devices. A scanning technique will be developed for the space camera to assure its compatibility with 525-line television, making it possible to operate the camera in conjunction with current TV monitors, video recorders and other equipment.

**An experimental solid-state tubeless color TV camera** has been developed by Hitachi Ltd., New Marunouchi Bldg., 5-1, 1-chome, Chiyoda-ku, Marunouchi, Tokyo 100, Japan. The camera uses metallic oxide silicon (MOS) solid-state image sensors measuring only 22 by 32 by 3 mm. Three of the MOS-type image sensor devices are used in the experimental camera in place of conventional pickup tubes. The MOS-type device exhibits low "blooming" characteristics and a high sensitivity to blue light but its high noise level has been a drawback to its use in television cameras. Special circuits employing a bit correlation method have been developed by Hitachi engineers to eliminate the noise problem associated with this type of sensor device.

**Neutrons** ejected from the core of atoms and moderated to speeds of about one mile (1.6 km) per second can be very useful research tools, according to scientists at Eastman Kodak Company's Research Laboratories. After completing a two-year evaluation of the element californium-252 as a source of neutrons, Kodak is now installing the country's first neutron-flux multiplier devoted to industrial research. The neutrons emitted from the device will be used principally for chemical analyses and for the development of new materials for the recording of neutrons, according to Wesley T. Hanson, Jr., Director of the Laboratories.

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signed for Kodak. A U.S. Atomic Energy Commission license for its operation has been granted on the basis of the safeguards Kodak has demonstrated and the projected uses for the neutrons which the device produces. The neutron-flux multiplier is housed in a limited-access underground cavity at the Research Laboratories. It is operated under the direction of Robert L. Griffith who heads Kodak's Inorganic and Crystallographic Laboratory. The source of the neutrons, californium-252, a man-made element, is surrounded by highly enriched uranium fuel containing approximately 3 1/2 lb (1.6 kg) of uranium-235. That mass, in turn, is encased in several feet of shielding.

For the past two years Kodak has been using californium-252 on loan from the AEC under a program of market evaluation of peaceful uses of the element but the work has been without the flux-multiplier device. The californium element releases neutrons as it decays relatively rapidly. An owner who possessed two milligrams two years ago would have only about one milligram today. (Californium costs \$20,000 for one milligram — for comparison, a penny weighs more than 3,000 milligrams.)

To release the quantity of neutrons Kodak wanted for its tests would have required 33 milligrams of californium. The new neutron-flux multiplier emits the desired quantity of neutrons without such a heavy investment. Unlike most analytical methods, which require the destruction, frequently of sizeable samples, analysis by neutron activation leaves the tested material virtually unchanged.

The New Rural Society (NRS) project has been awarded a substantial grant by the United States Department of Transportation to explore ways for communications technology to substitute for transportation as a means of conserving energy resources. The NRS project is funded by a grant from the Department of Housing and Urban Development with Fairfield University in Connecticut. The purpose of the project is to improve the quality of life in America's rural areas by the imaginative applications of telecommunications technology, such as satellite communications, cable TV and the computer. The NRS project is directed by Peter C. Goldmark, President of Goldmark Communications Corp., One Communications Plaza, Stamford, CT 06904.

Canda Television Equipment Ltd., 10 Gilbert Pl., London WC1A 2JD, England, has been appointed sole distributor in the United Kingdom for Ets Pierre Angenieux of Saint Heand, France. Canda can now supply the complete range of Angenieux lenses including the new 15 x 10, 10-150mm zoom lens for 16mm (*Journal*, p. 44, Jan. 1975). In addition to supplying the lenses, after-sales service can be supplied by an Angenieux-trained engineer on the staff. Canda was formed early in 1974 by Arthur Challinor and Joe Askew both of whom had been associated with Angenieux since 1960.

TNT Communications Inc., 575 Madison Ave., New York, NY 10022, has begun installation of the SuperVision color television system at the Louisiana Superdome (*Journal*, p. 314, Apr. 1972) nearing completion in New Orleans, according to a recent announcement. The Superdome stadium, seating 82,000 spectators, will use TNT SuperVision to provide instant replays and close-ups of sports and en-



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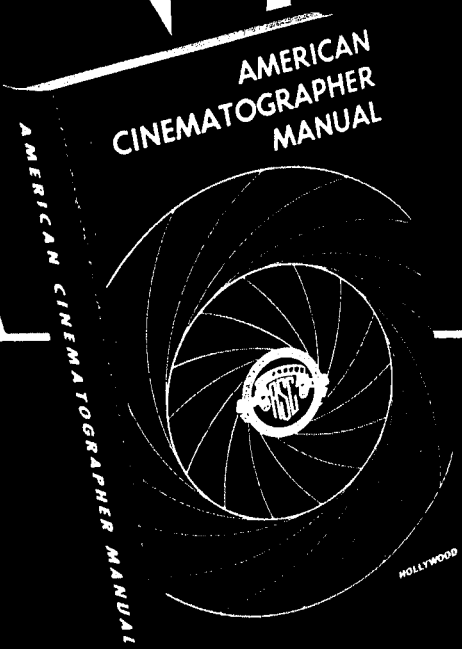
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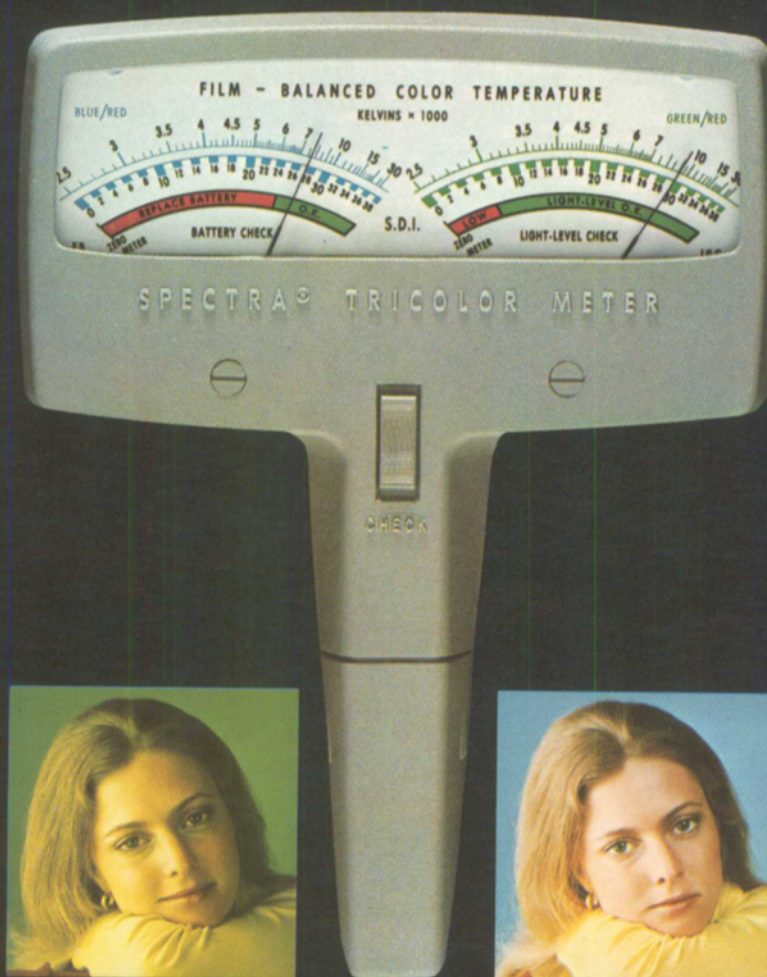
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tainment taking place on the stadium field. Six screens, each 40 ft wide will be attached to a 65-ton gondola suspended from the Superdome ceiling. The system is based upon specially designed Eidophor projectors emitting 7000 lm. The first public showing is expected to be in August, the announcement stated.

**Shure Brothers Inc.**, 222 Hartrey Ave., Evanston, IL 60204, founded in 1925 as the Shure Radio Company, celebrates its 50th anniversary as one of the world's largest manufacturers of microphones, high-fidelity phono cartridges and sound reinforcement components. S. N. Shure, who founded the firm, is its President and Chief Operating Officer. An anniversary brochure, *The 51st Year of Our Commitment to Excellence*, notes that the firm produced its first microphone — a two-button carbon type — in 1932 and in 1939 it developed the Unidyne, the first single-element unidirectional dynamic microphone.

**Magnasync/Moviola Corp.**, 5539 Riverton Ave., North Hollywood, CA 91601, held its first overseas factory training program 24-27 June at Photographic Electric Facility, Ltd., in London. The program was conducted by Walter H. Mills, Executive Vice President; Ted Diamond, Sales Manager; and Jim Curry, Training Instructor. Service Personnel from England, Norway, Italy, Germany, Sweden, South Africa, Switzerland and Austria were instructed on the servicing of Moviola editing and studio recording equipment.

**Omega Associates**, 14169 Hawthorne Blvd., Hawthorne, CA 90250, will be the prime distributor for the complete line of Fernseh video cameras in the Pacific states area as the result of an agreement with the Robert Bosch Corp.'s Fernseh Group, it was announced by Dean Harrison, Omega President. James Morrison, former Fernseh Western Regional Manager and Video Group Marketing Manager, has joined Omega and will head the Broadcast Television Sales Div.

**Centroson Internacional AB Inc.**, P.O. Box 9039, S-17109 Solna, Sweden, has moved into larger quarters in order to handle its expanded sales program, it was recently announced. The company, which belongs to the Nordstrand Group, operates in the professional recording studio and motion-picture sound field. It has extended its operations through Sweden, Norway, Denmark, Finland, West Germany, Austria and Spain.

**Sony Corp. of America** has announced plans for a \$16 million manufacturing facility in Dothan, Alabama, with production of audio and video tapes scheduled for early in 1977. The new factory will occupy about 180,000 ft<sup>2</sup> and will be designed for future expansion on a site of 45 acres. It will incorporate advanced design, technology and production facilities.

**Quick-Set, Inc.**, 3650 Woodhead Dr., Northbrook, IL 60062, has acquired the Houston Fearless television camera and microwave support products line from Technology Inc., it was recently announced. The new Quick-Set line will be marketed under the Gibraltar name, the announcement stated. The line includes a pneumatic studio pedestal, a medium weight counter balance pedestal, a cam head, a microwave relay tilt head and a heavy-duty tripod and dolly.

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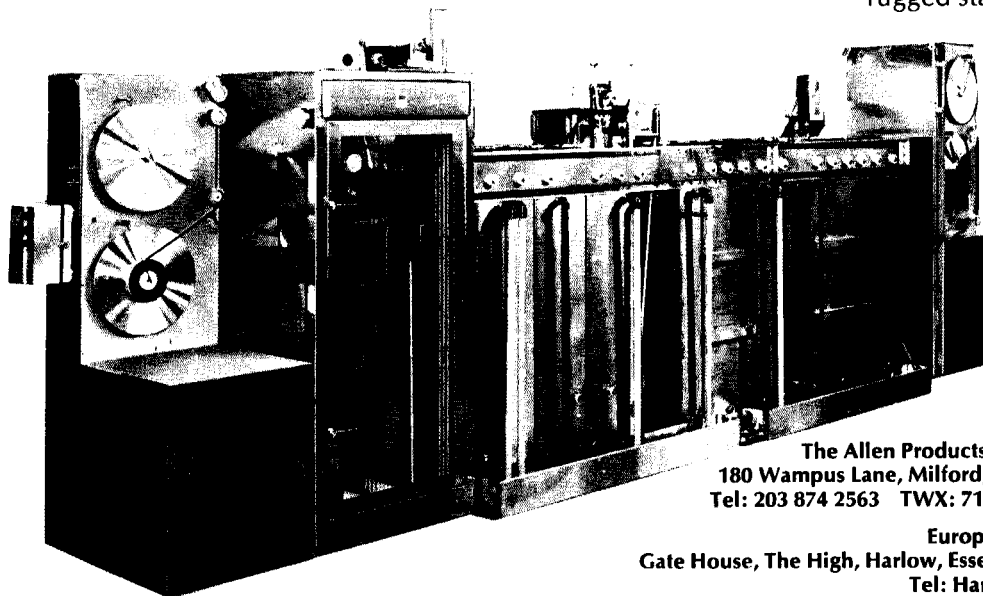
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Technicolor's Chromatech line of linear chroma keys has been acquired by Dynair Electronics, Inc., 6360 Federal Blvd., San Diego, CA 92114, according to a recent announcement. Dynair Electronics specializes in television switching, distribution and processing equipment.

F&B/Ceco of California, 7051 Santa Monica Blvd., Hollywood, CA 90038, has been appointed factory authorized representative in West Coast states for the Frezzolini Frezzi-Cordless® Model LW-16 sound-on-film professional 16mm camera. The announcement was made by James Crawford, Vice-President of Engineering for Frezzolini Electronics Inc., 7 Valley St., Hawthorne, NJ 07506.

Ampex Corp., 401 Broadway, Redwood City, CA 94063, has been granted exclusive worldwide distribution rights for EECO time code editing and synchronizing equipment and related electronic indexing and display products according to terms of an agreement with Electronic Engineering Company of California, it was recently announced. Ampex will distribute the following products: BE500 Time Code Generator; BE520 Edit Code Generator; BE420 Edit Code Reader; BE450 Wide Range Synchronizer; BE460 Dual Cue Controller; BE430 Series Editor Programmer; and BE400 Video Character Generator.

Robert W. Sarnoff, Chairman of the Board of RCA Corp., has been awarded the Medal of Commander of the Order of Letters and Arts from the Government of France. Mr. Sarnoff, who was previously made an Officer of the Order of Arts and Letters was elevated to the rank of Commander because of his "outstanding and unique contributions to French-American cultural relations in the field of music and television." The medal was conferred by Michel Guy, Minister of Cultural Affairs in the Grand Salon of the Ministry.

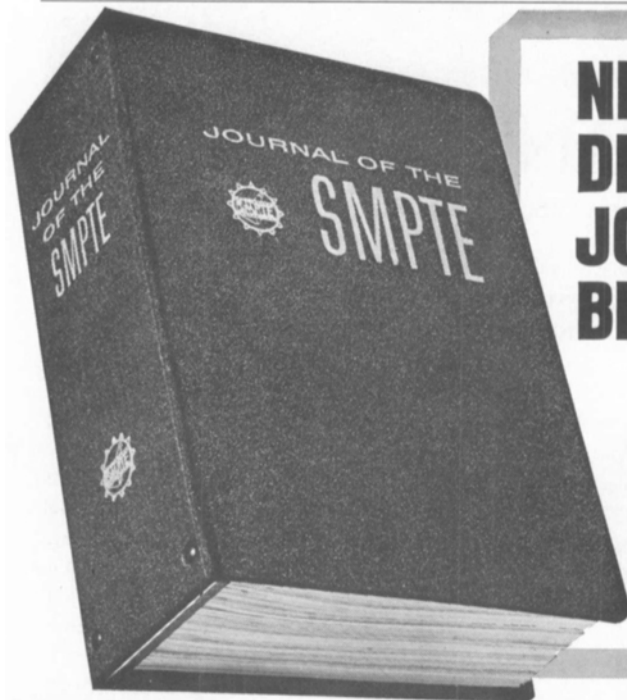
Milton Blutter has been appointed President of the Plastic Reel Corp. of America, 640 S. Commercial Ave., Carlstadt, NJ 07072, it was announced by Martin R. Lewis, President of William-House Regency parent company of Plastic Reel. Mr. Blutter, co-founder of Plastic Reel was formerly Vice-President of Sales, a position he held for 12 years.

Other recent Plastic-Reel appointments include Tom Holzel to the newly created post of Vice-President/General Manager and Robert Miller to the post of Vice-President/Controller. Mr. Holzel was formerly Vice-President, Marketing, for Montage Productions. Mr. Miller was formerly Controller of Plastic Reel Corp.

Plastic Reel produces plastic reels, cans, cases, and storage and inventory systems for the motion-picture, videotape and audiovisual industries.

Leo Lukowsky has been appointed to the newly created post of Marketing Director for Berkey Manhattan Filmstrip and Slide Laboratory, 222 E. 44 St., New York, NY 10017, it was announced by Selwyn Robbins, President. Mr. Lukowsky was formerly Vice-President, Sales and Marketing for General Camera Corp. Earlier he had held sales and administrative posts for Eclair, Motorola and Paramount Pictures.

James Elliott, 20, a 10-year member of the Boys Club of Richmond, Va., won the 1975



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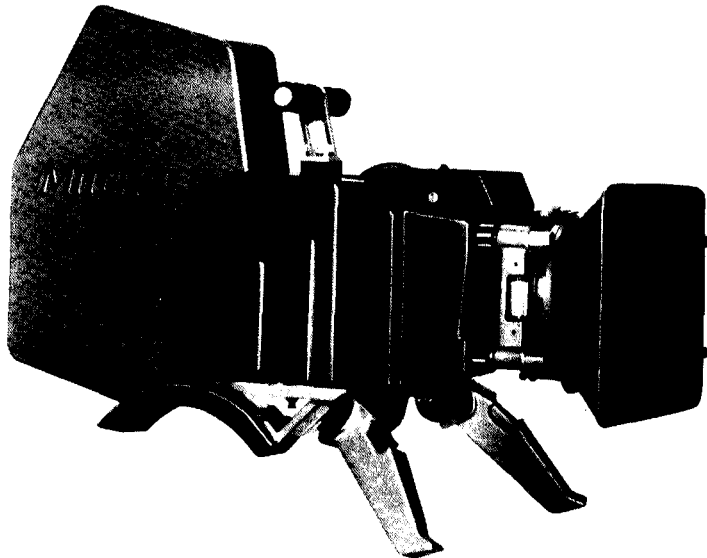
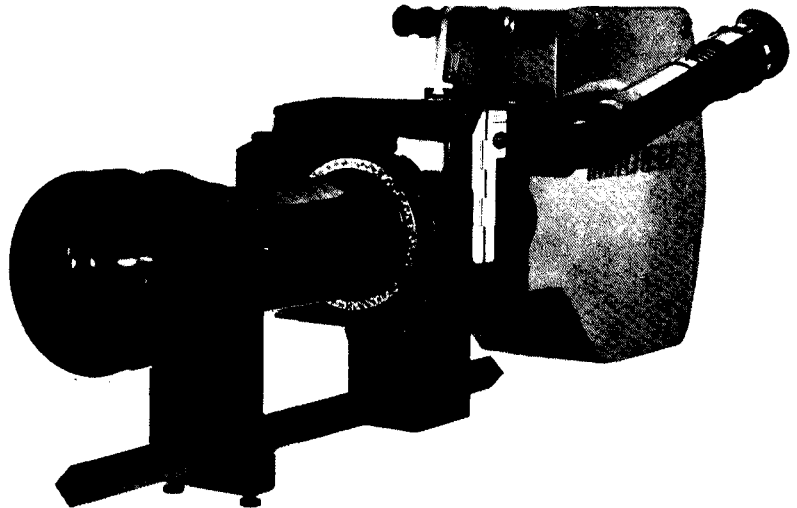
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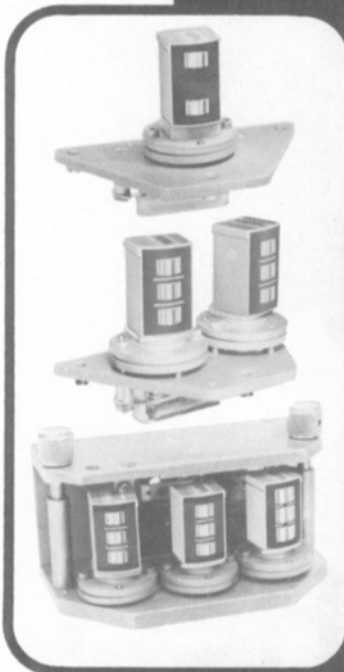
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Public Information Award for a television commercial promoting the Boys Club. He spent more than 400 hours filming, editing and recording sound for the 30-s commercial. The commercial provided the message, "Good Kids Don't Grow on Trees — Support the Boys Club of Richmond."

**Raymond E. Johns** has been appointed Manager of Field Engineering for the Broadcast equipment Div. of Philips Audio Video Systems Corp., One Philips Parkway, Montvale, NJ 07645, it was announced by John S. Auld, President of the Broadcast Equipment Div. Mr. Johns joined Philips in 1969. In his new post he will be in charge of customer service operations in the company's six field engineering facilities in the United States.

**Andy Kuchma** who recently resigned as senior maintenance technician for Goldmark Communications Corp. has joined Byron Motion Pictures, Inc., 65 K St., N.E., Washington, DC 20002, in the video laboratory division, it was recently announced. According to the announcement, Mr. Kuchma's duties for Byron are substantially similar to those he performed for Goldmark where he was responsible for maintenance of all helical videotape equipment, including IVC and Philips 1/2-in tape recorders, IVC 1-in equipment and 3/4-in Sony videocassette recorders. He also maintained the GE and Cohu film chain, the Transcan equipment for automated scanning of feature films for transfer to 3/4-in videocassettes, 35mm Simplex projectors and Eastman Kodak 16mm and 8mm projectors and the Goldmark-developed tape equipment used as program origination systems for cable pay television systems.

**Tony Jackson** has been appointed to the newly created post of Chief Engineer for Rank Video, it was announced by Raymond Duffield, Managing Director of Rank Film Laboratories, Denham, Uxbridge, Middlesex UB9 5HQ, England. Prior to joining Rank Video in 1973, Mr. Jackson was with EVR as Engineering Manager. He entered the audiovisual field in 1949 with Marconi and later served for three years in radar with the Fleet Air Arm. On his release from the Royal Navy he joined ITN where he was made Master Control Engineer.

**Ron Aronowitz** has been appointed Executive Vice-President and Chief Operating Officer for Alexander Film Services, a subsidiary of Cadence Industries Corp., 21 Henderson Dr., West Caldwell, NJ 07006. Alexander Film Services is engaged in the processing of professional motion-picture film for theatrical and nontheatrical markets. Mr. Aronowitz joined Cadence in 1971 and in 1973 he became Corporate Director of Alexander Film Services.

**Robert Hale** has been appointed to the newly created post of Engineering Manager for the development of commercial xenon bulbs for Optical Radiation Corp., 6352 North Irwindale Rd., Azusa, CA 91702, according to a recent announcement. Prior to joining ORC Mr. Hale was a senior engineer with the ITT Electron Tube Div. where he was responsible for xenon short arc lamp development. In his new post he will design and develop special bulbs for commercial and military markets.

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