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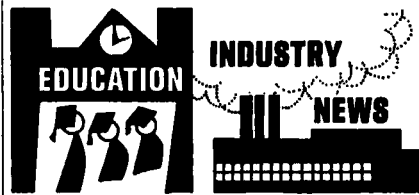
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Apollo 11 — Lacuna

The cooperative effort of the many firms involved in the successful Apollo 11 mission has been recounted in many publications. Unfortunately, but not necessarily inevitably, when so many firms are involved omissions occur. Regrettably, in "Apollo 11 — Television and Photography" (*Journal*, pp. 790-794, Sept. 1969) in the description of the Westinghouse color camera there was omitted a description of the Angenieux zoom lens, a product of Angenieux Corporation of America, 440 Merrick Rd., Oceanside, NY 11572.

The lens achieved what has been described as "fantastic" resolution for the pictures that originated from a Westinghouse camera equipped with an Angenieux 6 × 12.5B zoom lens slightly modified to meet space requirements. It had also been used on previous space flights.

With a 6:1 magnification ratio, normally this lens has a focal length range of 12.5mm to 75mm. Translated into angular fields, this means that the camera could vary its view from a wide angle of 54° for capsule interiors to a telephoto position of only 9° 30' for views of the earth from the moon. On previous flights the astronauts had to unmount one lens and mount another to change to focal lengths. This usually gave them a choice of two angles.

The adapted zoom enabled the Apollo astronauts to "find" the earth and to "frame" their shots without the previous manipulations. The change of focal lengths is accomplished by the astronaut by turning a knob around the barrel of the lens. The Angenieux zoom lens used on the Westinghouse color camera on Apollo 11 is about 6 in in length with a maximum diameter of 2½ in. It weighs 1 lb 3 oz.

A meeting on international sound standards was held in Moscow, USSR, in May and an international standard of acoustic response for dubbing and review rooms was approved by the delegates for further study, according to a report by Petro Vlahos, official United States delegate, representing the Sound Committee of the International Standards Organizations. Mr. Vlahos is chief scientist of the Motion Picture and Television Research Center of the Association of Motion Picture and Television Producers. After further study, the proposed standard agreed upon at the Moscow meeting will be submitted to a 1970 plenary session of the ISO for final approval, Mr. Vlahos reported.

If the acoustic response standard is adopted, it will make film products interchangeable between nations without expensive redubbing or the acceptance of inferior sound quality, Mr. Vlahos pointed out. He said that it is highly probable that the standard will be adopted. Three Hollywood dubbing rooms and the Acad-

SMPTE Elections

Officers of the Society for 1970 (including those remaining in office for the 1969-70 term and those elected to serve during the 1970-71 term) are:

President: Deane R. White (1969-70)
Executive Vice-President: Wilton R. Holm (1969-70)
Past President: G. Carleton Hunt (1969-70)
Engineering Vice-President: William T. Wintringham (1970-71)
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Vice-President for Educational Affairs: Herbert E. Farmer (1970-71)
Vice-President for Photo-Instrumentation Affairs: Carlos H. Elmer (1970-71)
Vice-President for Motion Picture Affairs: Edward H. Reichard (1970-71)
Vice-President for Photo-Science Affairs: Roderick T. Ryan (1970-71)
Vice-President for Television Affairs: K. Blair Benson (1970-71)

Those elected by their respective Regions to serve on the Board of Governors for the next two years are:

Eastern Region: D. Max Beard, John J. Kowalak, Henery N. Kozanowski, Edward M. Warnecke
Central Region: Robert A. Colburn
Western Region: Frank P. Brackett (1969-70), Jack P. Hall, John R. Sullivan

Governors continuing in office through 1970 are:

Eastern Region: Arthur J. Miller, Richard E. Putnam
Central Region: Allen F. Hilliard, William A. Koch
Western Region: Charles E. Anderson
Canada: Roger J. Beaudry

Society elections are conducted by mail ballot. Results of the present election were announced at the 106th Technical Conference in Los Angeles.

emy Award Theatre have been adjusted to the proposed acoustic standard for evaluation, with initial reactions reported as excellent.

The American National Standards Institute, Inc., is the new name of the former United States of America Standards Institute, Inc. The new name became effective on October 6 when the Institute moved from its former headquarters at 10 E. 40 St., New York, to its present headquarters at 1430 Broadway, New York, NY 10018. The approved standards will be designated American National Standards. The main reason for the change is that the Institute plans to embark on a program of certification. This means that the Institute will license use of its mark on products found by independent tests to meet requirements



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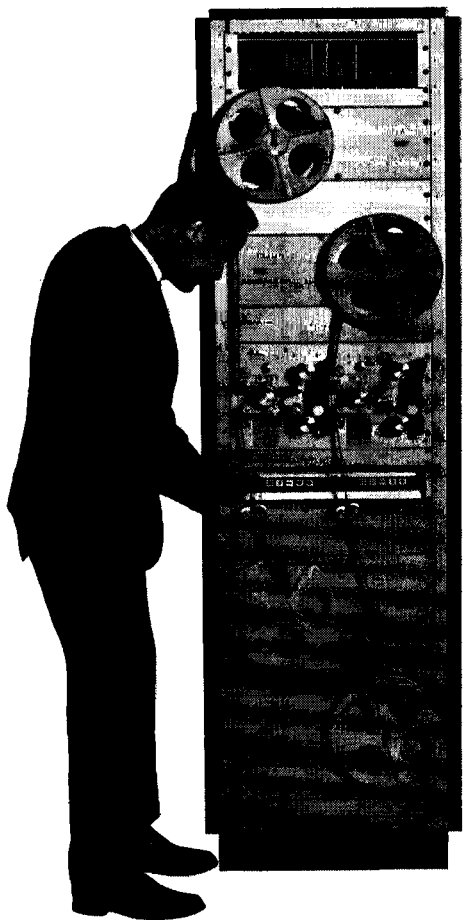
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of standards it has approved as voluntary national standards. The change in name is to avoid any possibility of its being confused with a government agency.

The name "United States of America Standards Institute" and the designation "USA Standard" were adopted in 1966 when the Institute was reconstituted and reorganized to succeed the American Standards Association (ASA).

The University of Wisconsin will offer a two-day seminar on Remote Sensing of Natural Resources January 8-9 on the University's Madison campus. Equipments and techniques for remote sensing will be discussed, including photographic techniques, electrooptical scanners, multi-spectral imagery, radar imagery and other related sensing devices. Possible applications in studies in agriculture, air quality, forestry, geography, geology, meteorology, oceanography, soil mapping, water quality and water resources will be discussed. Data reduction and handling of information received through sensing devices will be described.

The 1970 British Industrial Film Festival will be held June 1-4 in Brighton, England. The Festival is organized annually by the British Industrial & Scientific Film Assn. (BISFA) in cooperation with the Confederation of British Industry. In addition to showing films selected from those produced during 1969, the Festival will include seminars and discussion groups as well as social events. Further information is available from BISFA Press Office, 193-197 Regent St., London, W 1, England.

A course in Photographic Materials and Processes (Engineering Extension Course X454.6) will be given at the University of Southern California beginning January 5 and extending through March 23. The course will consist of lectures and demonstrations on the theory of photographic materials. Subjects of discussion will include light-sensitive systems (including silver halide, electrophotographic, photo-thermographic, photochromics, photopolymerization, diffusion transfer, diazonium salts and iron salts); developing agents, developers and processing solutions and color films and color processes. The textbook for the course will be *Photography, Its Materials and Processes* by C. B. Neblette. The Instructor will be Richard A. Walker who is a member of the Technical Staff of Hughes Research Laboratories.

A new college-level chemistry course which combines written text with instructional film on EVR cartridges has been announced by CBS Electronic Video Recording, 51 W. 52 St., New York, NY 10019. The course, which has developed at Ohio State University, will be distributed by W. B. Saunders Company, CBS-owned publishers of medical and chemical textbooks. The new course will contain 20 films designed to accompany a laboratory manual produced by W. B. Saunders. The combination of film and text is designed to achieve a consistent level of prelaboratory instruction and to give each student the opportunity to study procedures and techniques. Twelve 15-min video tapes

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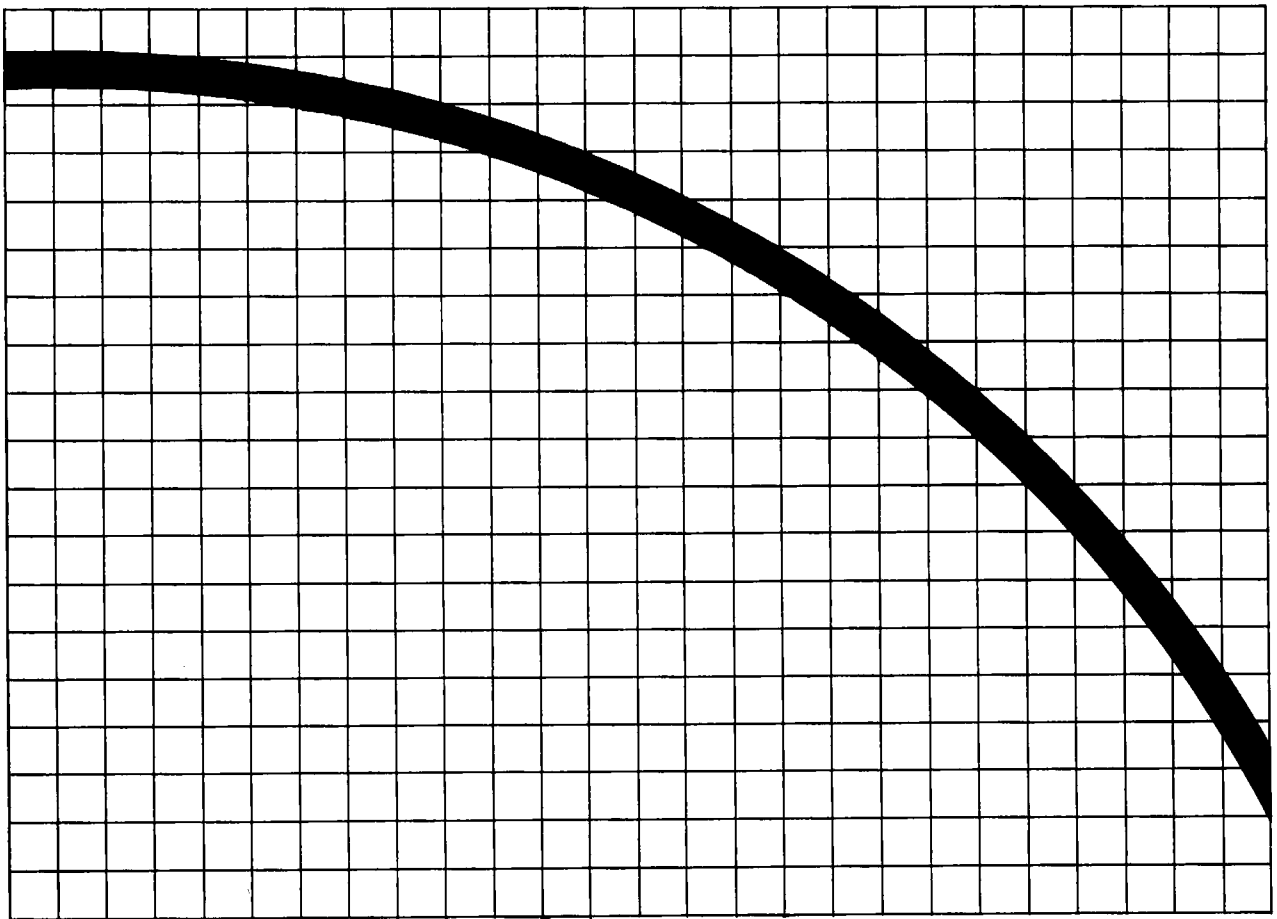
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Tungsten-halogen lamps (they used to be called quartz-iodine) don't blacken with age, so light output and color temperature don't go into a slump. The color temperature of our lamps is stable for the life of the lamp. Compare this with a drop of about 40% for the fat incandescents.

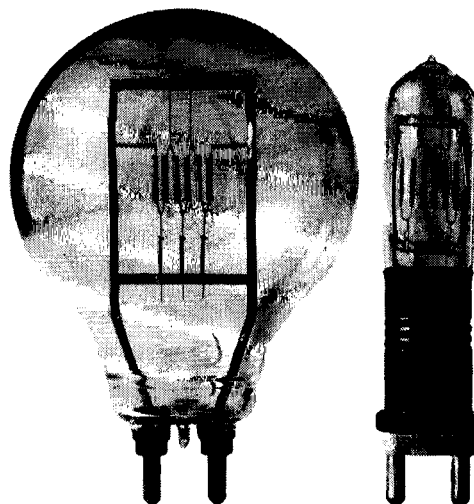
This means you don't have to bother with constant adjustments of studio lighting or camera settings. It means you can get constant color rendition on color film and save money on print correction.

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Tungsten-halogen lamps have about twice the life of regular incandescents. They can actually outlast the fat ones 3-to-1 (considering that you may be forced to throw blackened lamps away before they've burned out).

And just compare the size of the lamps.

Instead of big, heavy glass balloons we give you slim lamps that are easy to store and handle. For one assignment (a TV special on the Taj Mahal) we were able to pack all the lamps needed into two hand-carried cases. It would have taken half a planeload of the old lamps.



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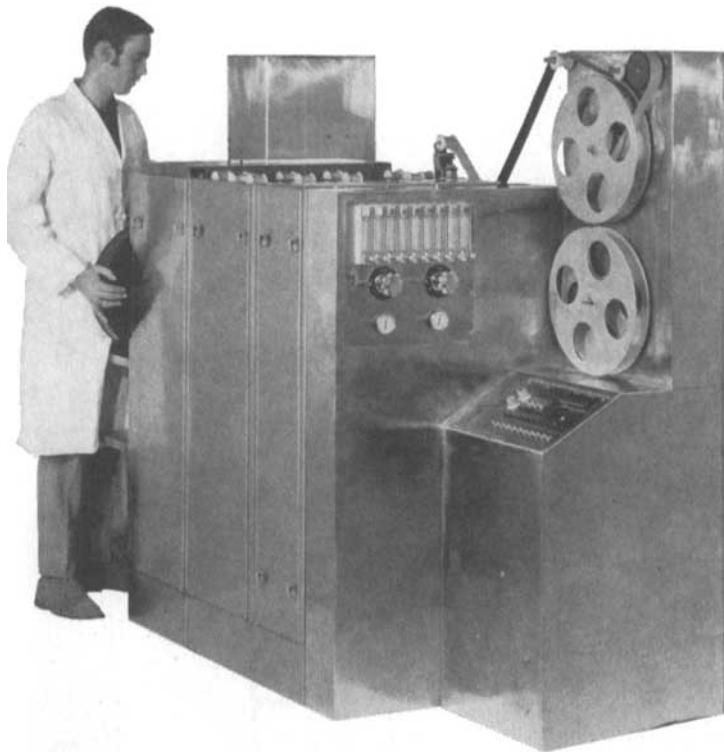
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have been produced and eight more will be added to complete the initial course.

Classes in Television: Tape and Film at the University of Southern California (*Journal*, p. 650, Aug. 1969) began September 17. The one-semester, non-credit course is intended mainly for industry personnel to acquaint them with the latest techniques in that field. The course is sponsored jointly by the Society and the USC Division of Cinema. Instructors for the course include many outstanding authorities in the field. Further information is available from the Course Coordinator, Herbert E. Farmer, Director of Services, Dept. of Cinema, University of Southern California, University Park, Los Angeles, CA 90007.

A course in **Television Directing** will be offered at Rochester Institute of Technology during the 1970 spring semester. Topics will include introduction and survey of television directing, editing, staging, script form, production planning and basic and advanced directing assignments. Prerequisite is the course on Basic Television Production given during the 1969 fall semester or equivalent experience. Further information is available from Extended Services Division, Rochester Institute of Technology, Rochester, NY 14623.

An **Educational Broadcasting Institute** on the maintenance and operation of helical scan video recorders/reproducers will be held January 25-28 in Raleigh, NC, under the auspices of the National Assn. of Educational Broadcasters, 1346 Connecticut Ave., NW, Washington, DC 20036. The Institute on video-tape recorders is an intensive 30-hr course designed by NAEB primarily for the audio-visual technician who is responsible for the operation of such equipment. The course assumes no prior training in video recording on the part of the student, and only an elementary knowledge of television systems in general.

A **workshop on film music**, sponsored by the Motion Picture Seminar of the Northwest, 1533 Boylston Ave., Seattle, WA 98122, was given on October 11 by David Raksin. The workshop was held on the scoring stage of Panorama Studio in West Vancouver, B.C. The workshop was attended by film producers, students of film and music composers. Mr Raksin is a member of the Music Faculty at the University of Southern California and he has composed film scores for a number of motion pictures.

A **Symposium on Applications of Holography** will be held July 6-11, 1970, in Besançon, France. The symposium is being organized by the Comité Français d'Optique under the sponsorship of the International Commission for Optics. The emphasis of the symposium will be on holography as a metrological tool. Papers will be presented in English, French and German. Topics expected to be discussed include hologram interferometry (study of mechanical vibrations, deformations, microgeometrical properties of surfaces); dynamic holography; acoustic holography; uses of hologra-

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In the age of specialization, the commercial film producer may be likened to the Renaissance Man—facing new situations and challenges each day. So it is with Holland-Wegman Productions of Buffalo, New York whose credits encompass TV commercials, industrials, documentary features, educational films—virtually the full spectrum of in-and-out-of-studio assignments. Two jobs recently completed by the firm indicate the diverse—and often fascinating—nature of the work handled by the commercial film producer.

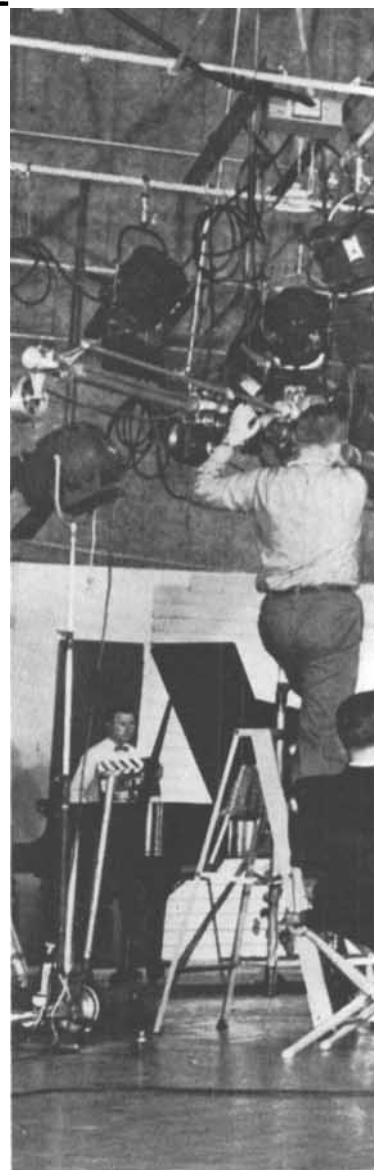
One included a 60-second commercial for a brewer in West Virginia. Here, the job required H-W crews to show a foursome relaxing on the patio, chatting amicably over bottles of beer. Although such a spot might easily have been shot on location, H-W felt it best to stay in the studio. Here, sound and lighting both are far more malleable in the director's hands—both able to make or break the viewer's appetite for the sponsor's beer.

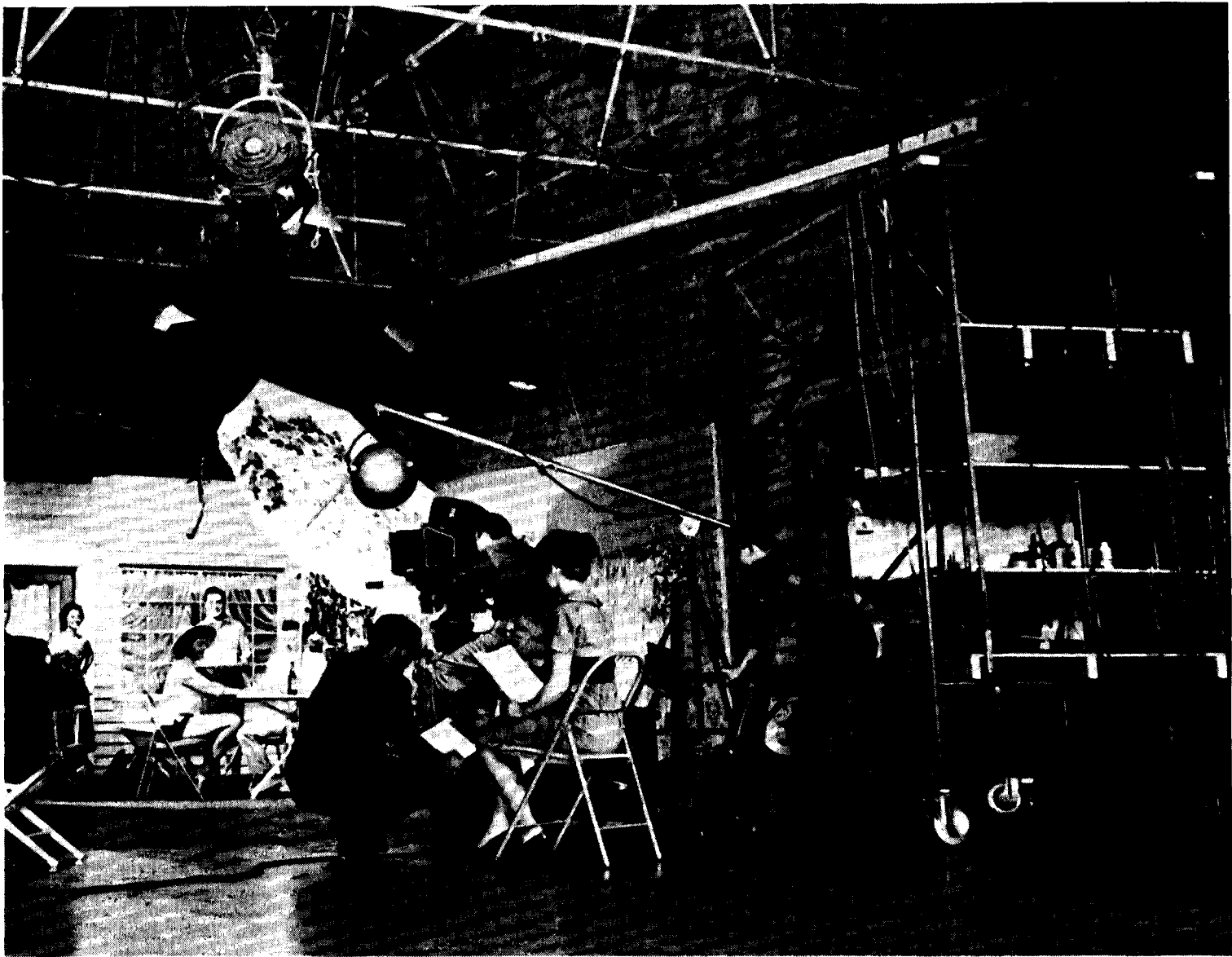
But on another job, no studio could have housed the subject—Niagara Falls. H-W had been in the midst of a film concerned with the geology of the world famous waterfall, when a separate government sponsored geological survey ordered the water "turned off" in order to investigate the land mass beneath. Writes H-W President, Paul Sciandra: "How lucky could we get? Right in the middle of our project, someone decides on this never-to-be forgotten and never-to-be duplicated event. At the moment the water stopped, revealing to the eyes of mankind the land beneath for the first and only time, our Arriflexes were really recording a piece of history. But as far as the 35's were concerned, it was just business as usual—in, out and around the setting as quickly as feasible, as reliably as always."

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phy in spectroscopy (gratings, devices); transfer of holograms by radio or TV channels and holographic materials. Further information is available from Prof. J. Ch Viénot, Laboratoire d'Optique, Faculté des Sciences, Université de Besançon, La Bouloie, 25 Besançon, France.

The Optical Consortium, 250 W. 57 St., New York, NY 10019, an educational institution established in 1967, is conducting classes in optical engineering. The fall term began September 9. Courses include Optics for Engineers, Optical Engineering and Design, and Fourier Optics for Optical Engineers. Instructors include Joseph Corcos, Director of Engineering and Sales of Cyclotronics Corp.; Lloyd Motz, Professor of Astronomy at Columbia University; and Robert Pole, Manager of the Optical Physics Group at IBM Thomas Watson Research Laboratories.

A gift of broadcast equipment has been made to the Southern Illinois University, Edwardsville, IL, according to an announcement by Dr. John R. Rider, Chairman of the University's Mass Communications Faculty, and Director of its Broadcasting Services. The presentation of the gift from CBS was made by Wally Wesley, Director of Engineering, KMOX-TV St. Louis. The equipment includes two Ampex VR 1000 video-tape recorders, an RCA TP 11 multiplexer including a TK 21 film chain, an RCA BC2B audio console, Telechrome special-effects generators, sync generators, light fixtures and other related equipment. Participating in the transfer of the equipment have been Col. Charles Schweizer of the University Foundation who accepted it on behalf of the University, Bob Gilligan of the Instructional Materials Center and John Moormann, Director of Television Programming and Production for the Broadcasting Service.

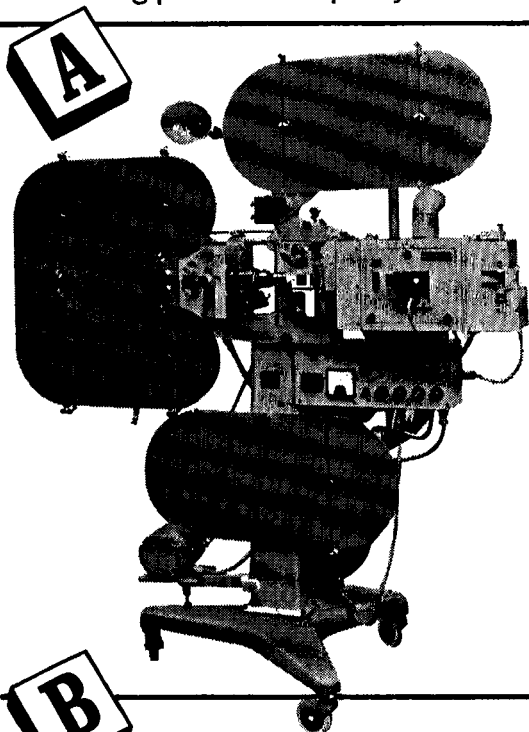
The Society for Information Display will hold its National Technical Symposium on December 4 in Los Angeles. The theme will be Displays for the '70s. Papers on display systems, subsystems and components will be presented. Further information is available from the Registration Chairman, H. Pierpont, or the Publicity Chairman, G. Kaelin, both at Litton Industries, Inc., Van Nuys, CA.

DeLuxe General, Inc., 850 Tenth Ave., New York, NY 10019, has assigned a certain number of processing machines exclusively for the VPI Color Laboratory, according to an announcement made jointly by G. Carleton Hunt, President of DeLuxe General, and George G. Tompkins, Chairman of VPI. According to terms of the agreement, DeLuxe General will handle the processing of film for the newly formed Directors Center, a subsidiary of Electrographic Corp., as well as for the VPI Division of Electrographic Corp., and for VPI service units, including the Color Center, Video Editors, Video Opticals and Video Prints.

Reeves Production Services, Div. of Reeves Telecom Corp., 304 E. 44 St., New York, NY 10017, has announced acquisition of an Ampex HS-200 teleproduction recorder

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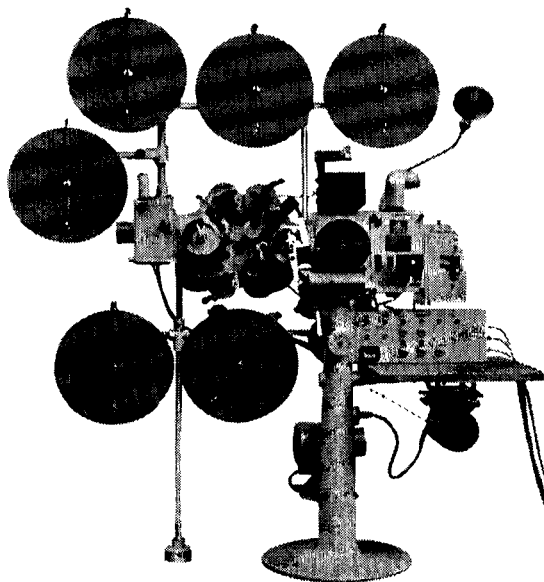
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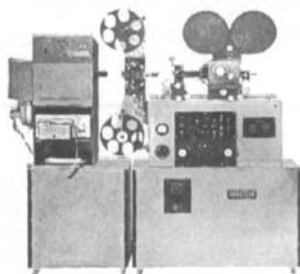
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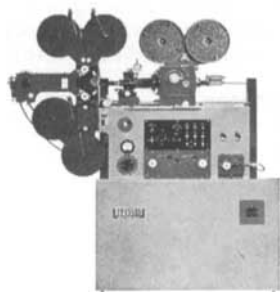
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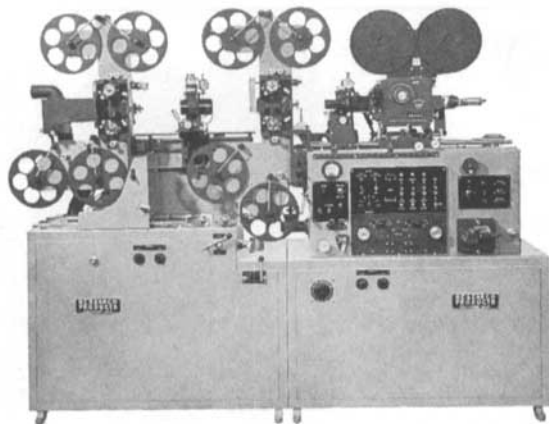
MODEL 999 is a simplified laboratory-type printer intended for printing operations not requiring a wide range of special effects. It is a basic unit especially adaptable to Super-8mm needs. Can be ordered with either the standard subtractive light source or the Bell & Howell additive head (shown). This "bread-and-butter" printer has won wide acclaim in high-volume laboratories. Purchase and lease plans available.



Model 1000 prints all format sizes from 70mm to 8mm in color or black and white. It utilizes latest design concepts to facilitate even the most complicated of optical effects. Provides an oversize optical bench, variable speed motor, automatic dissolve mechanism, and electric skip-frame programmer giving unlimited skip—or multiple—frame combinations.

Model 1001 combines all the features of Model 1000, plus an automatic zoom capable of 4x enlargement to 5x reduction.

Purchase and lease plans available.



Model 1002 makes use of the modular construction principle to effect a complete optical printing system. Adding a second in-line projector to a Model 1001, it provides a film-to-film aerial image for ease in accomplishing difficult traveling-matte shots. Optional features are a tilting camera, a motorized automatic zoom, and other special effects accessories. Aerial image module can be ordered at the same time as an optical printer or added at a later date, as feasible. Electrical and mechanical service problems are eliminated, as a replacement drive unit can be installed in minutes without disassembling printer. Custom engineering is available for unusual, specialized requirements, but the purchaser of any Research Products printer is assured equipment of custom quality and performance at the lowest price anywhere available. Purchase and lease plans available.

Research Products Optical Printers are the result of 25 years of experience in optical effects for theatrical, commercial and instrumentation films. They are designed around precision Acme camera and projector units, available in Super-8mm, 16mm, 35mm, 65mm and 70mm. All printers feature the Modular Drive, housing all mechanical drive parts in a single, easily-replaceable unit. Synchronization, being entirely mechanical throughout, is absolute.

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and an electronic digital computer. The teleproduction unit is designed around a disc recorder and provides instant playback of animation, stops motion, runs at various speeds, reverses motion, pre-programs and stores instructions. The computerized editing machine, designed for Reeves by Central Dynamics of Montreal, controls up to four video-tape recorders for each editing room. It takes its instructions from the special panel on the video-tape recorder, edit by edit, or from a typewriter terminal or from a magnetic memory unit. The editing system is based on a digital code which identifies each frame on the video tape.

The Rank Organisation's Film Processing Division, Denham, Uxbridge, Middlesex, England, recently commenced full-scale operation of a new color laboratory at its North Acton plant. The project involved the complete redesign and equipping of much of the former Olympic Laboratory building. Major reconstruction was centered on the installation of three multi-gage color processing lines—for Eastman camera stocks, Eastman Print film and for Gevachrome reversal films. Rank Film Processing is said to be the first major laboratory organization in Great Britain to handle Gevachrome 9.02 reversal print process.

FR Corp., a subsidiary of Technology, Inc., 951 Brook Ave., Bronx, NY 10451, producer of photographic processing chemicals, has been licensed by Eastman Kodak Co. to manufacture the complete ME-4 chemistry system. The ME-4 chemicals are available in 3-gallon units with four units in a case. The packaging and preparation of the ME-4 chemicals are especially designed to meet requirements of small-quantity users who are not equipped to mix and use large batches.

The Special Film Projects Division of Paramount Pictures has been established in Washington, DC, to concentrate on the production of nontheatrical films. Its first production will be a series of films on emergency health services of the Office of Economic Opportunity. Other sponsors for whom films will be produced by the new organization include the American Civil Liberties Union, the American Forest Institute, the League of Women Voters, the Institute of Scrap Iron and Steel, National Air Carriers Association and Dag Hammarskjöld College. Lester M. Goldsmith is Vice-President and General Manager of the new division.

Tech Films Corp., 1484 Main St., Waltham, MA 02154, has announced a recent expansion, including the establishment of a new film processing laboratory. The new laboratory emphasizes quality control and offers processing of Ektachrome Commercial film, the announcement stated. A new staff of photographic engineers has been added and the firm offers engineering services in all aspects of photoinstrumentation.

F&B/Ceco Industries, Inc., has leased a new 40,000-ft² building located at Kero Road, Carlstadt, NJ, to be used as headquarters for S.O.S. Photo-Cine-Optics, the

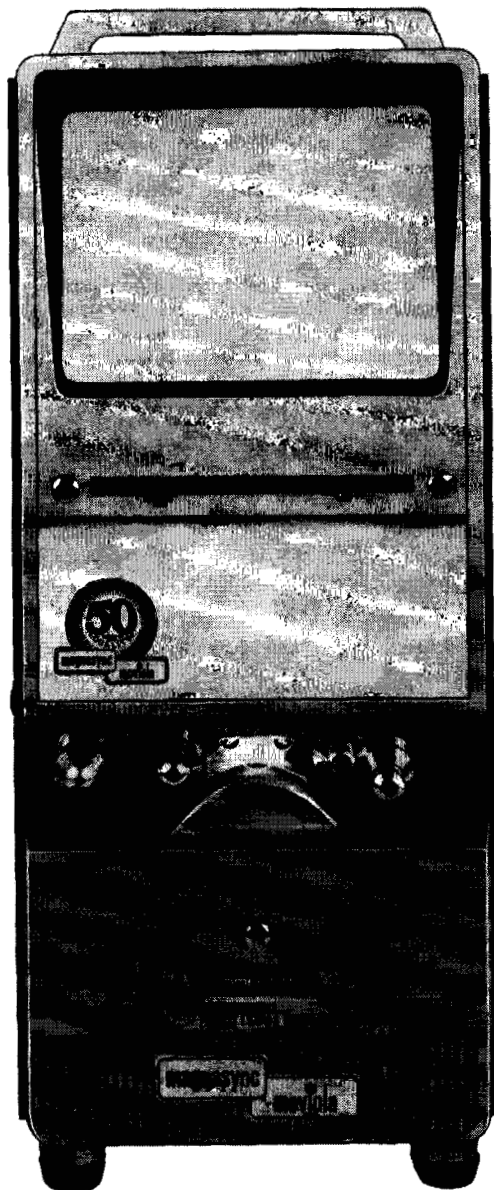
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mail order, catalog and direct sales division. The building will house Sales, Service, Warehousing and Manufacturing departments and a staff of 75 headed by Dom Capano, President of S.O.S. Bill Allen, S.O.S. Vice-President of Engineering, will head a new electronics laboratory and machine shop for maintenance, service and repair of motion-picture, laboratory, projection and sound equipment.

Sonderling Broadcasting Corp. has acquired the Lockwood and Gordon motion-picture theater chain which includes 32 theaters and drive-ins in five New England states. The 32 theaters include three road show (reserved seat) theaters and 17 drive-ins. The present management of Lockwood and Gordon Enterprises will continue to direct the operation with Arthur H. Lockwood remaining as President.

Terminal Data Corp. (OTC), Los Angeles, has moved its corporate offices and manufacturing operations to a new 20,000-ft² facility at 16130 Stagg St., Van Nuys, CA. The new facility will house the Rapid Film Processor Division and TDC. Terminal Data Corp. is a manufacturer of advanced computer-peripheral microfilm systems. The Rapid Film Processor Div. manufactures color, black-and-white and microfilm processing equipment.

Bellevue Photo Inc. of Canada will distribute training and education films throughout Canada, using the EVR cartridge format, according to terms of an

agreement with CBS Electronic Video Recording Division of Columbia Broadcasting Co. Bellevue Photo will convert selected Canadian films to EVR and these will become available in Canada through Bellevue distribution. Motorola Inc., which manufactures EVR players in North America will supply the players to enable the assembling of EVR cartridges and players into total packages for Canadian distribution.

It was announced separately by CBS Electronic Video Recording that Portcomm Communications Corp. Ltd., of Canada has acquired world-wide EVR rights to the Hal Roach Film Library. Some 500 of the Hal Roach comedies run about 20 min, making possible storage of two complete comedies in each cartridge.

Technicolor, Inc., has been selected by National Audiovisual Center, a newly established government agency, as the sole supplier of loaded optical sound film cartridges for the 5,000 educational films listed in the agency's catalog. Technicolor will process the films with optical sound. Cartridges for use in Technicolor sound projectors can be delivered by mail. A copy of the NAC catalog is available upon request from the National Archives and Records Service, General Services Administration, Washington, DC 20408.

Technicolor, Inc., and **International Communications Films** will provide equipment and material for a year-long experimental educational program involving op-

timum use of film in an entire school, it was recently announced. The pilot program will be conducted at the William D. Lamb School in Orange County's California Fountain Valley School District. The program involves a loan by Technicolor of 60 sound and silent projectors and screens for use in every classroom at the school. International Communications Films will supply super 8 cartridges for the various subjects taught at the elementary school. Technicolor will also make video tapes of the classroom use of the projectors. The company's Vidtronics Division will convert the tapes to film and produce a teacher training film about the program. Equipment to be provided by Technicolor includes 32 810Z projectors, seven 610 AD projectors, 11 1000A sound projectors and ten S1100 A viewing screens.

A new **International Photographic Division** has been formed at Eastman Kodak to manage photographic activities outside the United States. The former International Markets Division is transferred to the new division and the former International Photographic Manufacturing Companies Division has been merged into the new division. Austin J. Gould, a Kodak Vice-President, has been appointed General Manager of the new division.

Camera Mart, Inc., 1845 Broadway, New York, NY 10023, has announced that the Stellavox Sp 7 professional recorder, manufactured in Switzerland, is available for sale, rent or long-term lease, according to



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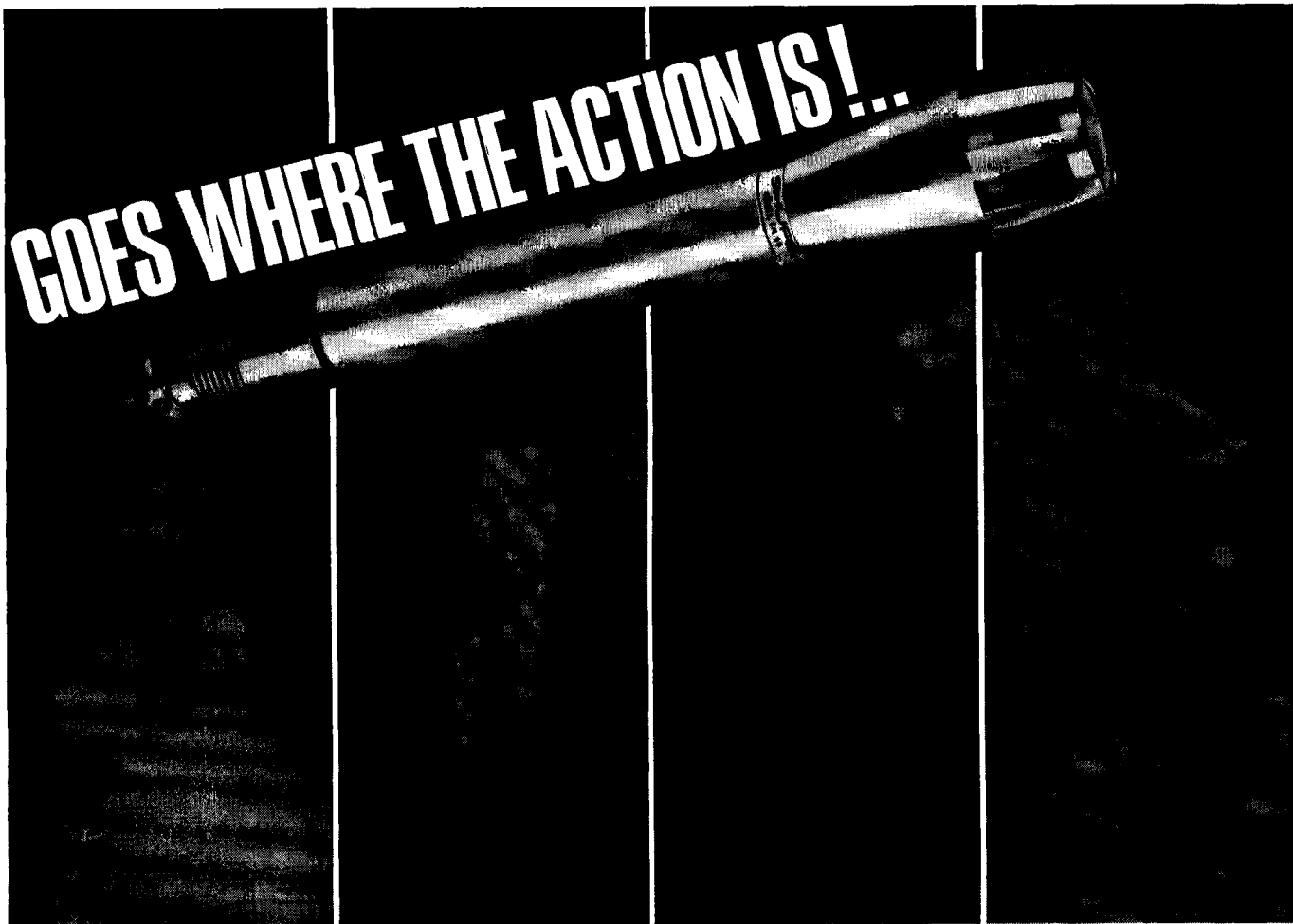


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The smooth, wide-range response provides cleanest, natural reproduction of both speech and music. A very effective built-in wind and "pop" filter protects against undesirable effects of close-talking.

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Best of all, it is priced competitively with conventional "workhorse" microphones. Why not check out an SM60 now? See your Shure Professional Products Distributor, or contact Shure Brothers Inc., 222 Hartrey Ave., Evanston, Ill. 60204—Phone 312 - 328-9000.

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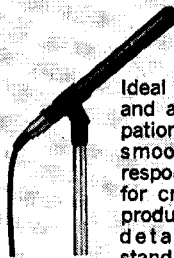
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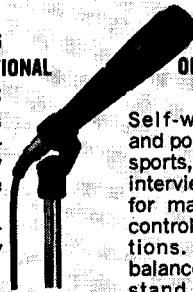
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Self-windscreened and pop-free for news, sports, remotes, and interviews. Also ideal for many studio and control room applications. Comfortably balanced for hand or stand use. Natural response.

terms of an agreement with The Sennheiser Electronic Corp. of New York, the American distributor for Stellavox systems. The Sp 7 incorporates a new servo motor described as "flat and quiet with no wow and flutter."

Media Productions is a new firm with offices at 103 Park Ave., New York, NY 10017, and 25-12 Bridge Plaza South, Long Island City, NY 11101. The firm offers "a multi-media approach to the solution of communication problems," the announcement stated. Among the media used in communications programs are included motion pictures, video-tape productions, film slides and audio visual presentations.

The Great White Shark of the Indian Ocean, one of the most dangerous creatures of the sea, is being hunted by Peter Gimbel and his Blue Water Film Company crew of underwater cameramen for a film documentary. Because of the hazards involved—the two-ton shark is one of the most vicious predators of the underwater world—communication between crew members working under the sea is of the utmost importance. To facilitate this communication, an advanced high-fidelity public address system developed by CBS Laboratories, a division of Columbia Broadcasting System, Inc., is used to provide communication between crew members. Heart of the system is a tiny

audio projector equipped with a 200-W high-fidelity device capable of illuminating a large underwater area with acoustic signals. It enables cameramen working in deep waters to hear communications signals at a level equivalent to normal conversational speech at a distance of more than 100 ft from the projector without the need of special receiving apparatus.

The projector is suspended from the mother ship over the work area and driven from a communications center aboard the ship. Speech signals not only are originated at the shipboard control center but any member of the crew working below can broadcast over the system and every member of the crew can hear the broadcast.

A wireless sonar link to a small receiving hydrophone suspended in the water makes this extensive communication possible. Each cameraman carries a small belt-mounted transmitter. His speech is picked up by a microphone mounted in his mask and the signal is transmitted via the carrier link to the receiving hydrophone. It is then demodulated by a specially designed low-noise receiver and re-broadcast over the entire work area through the projector.

The Film Production Association of Great Britain, 25 Green St., London, W1Y 3FD, England, has issued its second Annual Report for 1968 and 1969 (through March 31). The report covers activities relating to film production, including legislation, finances, labor relations, festivals and other matters. The report contains a list of members and a list of films and television film series produced in Great Britain during the time covered in the report.

Show, The Magazine of Film and the Arts is a new periodical that will appear monthly beginning with the January 1970 issue. Its film coverage will be directed to "the serious movie-goer," the announcement states. Editor-in-Chief is Huntington Hartford and Dick Adler, former Movie Editor of *Life*, has been appointed Editor. New York headquarters is at 866 United Nations Plaza. Circulation offices are at 6618 Sunset Blvd. in Hollywood.

The 8mm Film Directory, published by the Educational Film Library Association, is available from Comprehensive Service Corp., 250 W. 64 St., New York, NY 10023, at a price of \$10.50 (\$14.50 clothbound). The *Directory* lists more than 5,000 8mm films arranged by subject with an index to titles and subjects. The source of each film is given. The *Directory* includes a pictorial guide to various types of 8mm projectors now in use.

Rank Organisation's Film Processing Division, Denham, Uxbridge, Middlesex, England, will be expanded by the addition of a new laboratory building expected to become fully operational by mid-autumn in anticipation of the opening of additional color television channels by the end of 1969. The new laboratory will concentrate exclusively on post-production and processing requirements of color television commercials. The new building is part of the Division's £1 million development program to update processing technology and pro-



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A Processor for Ektachrome Film

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usually while machine is in operation, without breaking film or causing lower film assemblies to rise. Provisions for extended development to increase ASA indexes to 250 and higher are incorporated. Machine threadup allows use of standard ASA indexes or accelerated indexes because of Filmline's Film transport system features.

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vide facilities for both feature films and color television. Equipments will include electronic color analyzers for rapid assessment of camera originals, a special television simulator for viewing commercials under compatible conditions and electronic panel printers for volume print runs. Head of the new laboratory is Brian Crayden.

Bebell & Bebell Color Laboratories, Inc., has announced that all four laboratory divisions are now housed in a new and larger facility at 416 W. 45 St., New York, NY 10036. The four divisions include motion-picture, filmstrips and slides, still photography laboratories and the subsidiary medical specialty laboratory, X-Ray Copies Corp. The new laboratory will

contain additional color developing machines and Bell & Howell computerized additive color printers. A new electrostatically-filtered central air-conditioning system has been installed.

WRS Motion Picture Laboratory, 210 Semple St., Pittsburgh PA 15213, has announced the opening of a new recording studio at that address. The new studio has specially contoured, acoustically-controlled walls; and a master console, designed by Gotham Audio Corp., has been installed. The console features a 24-microphone and line channel input network to feed eight output channels for up to 8-track Scully recorders. In addition to the master console, equipment rooms for mixing and dubbing

soundtracks for motion pictures are equipped with 16mm and 35mm Magna-Tech sound recording equipment.

Traid Corp., of Glendale, CA, has built a new demonstration trailer to display new photographic instrumentation equipment. The new trailer replaces the firm's Clark Cortez van. First use of the traveling showroom will be by Peter Van Zanvoord who has been newly appointed Manager of Traid's Southwestern Sales Region.

Behrend's Inc., 161 East Grand Ave., Chicago, IL 60611, will distribute the Stellavox SP 7 professional tape recorder, manufactured in Switzerland, according to terms of an agreement between Jack Behrend, President of Behrend's, Inc., and Thomas A. Schillinger, President of Sennheiser Electronic Corp., New York.

Color video-tape facilities have been installed in the H. G. Peters & Company Inc. studios in Primos, PA, by United Tele-Productions. The new facilities will provide a complete range of video-tape services, including mobile units. United Tele-Productions offices are located at 525 Mildred Ave., Primos, PA 19018. H. G. Peters & Company headquarters are at the same address.

Television Equipment Associates (T.E.A.), Bayville, NY 11709, has been appointed broadcast dealer of Sennheiser's professional microphones, it was announced jointly by Thomas Schillinger, President of Sennheiser Electronic Corp., and Bill Peggler, T.E.A. Director. Sennheiser microphones include a dynamic lavalier model with a built-in shock-absorbing suspension, an omnidirectional condenser microphone with reduced sensitivity to handling and wind noises, a cardioid condenser microphone for music recording and interview, and others.

Jack Pill's Camera Equipment, 1135 North Highland Ave., Hollywood, CA 90038, has launched a major expansion of the marketing program, it was announced by Jack Pill. Recent additions to the staff include Ed Engel, formerly Director of Sales at F&B/Ceco, and Roy R. Low, formerly Vice-President, Marketing, at Alan Gordon Enterprises.

Imero Fiorentino Associates, Inc., 58 W. 68 St., New York, NY 10023, has announced the opening of a West Coast office at 7250 Franklin Ave. in Hollywood. The new office will be staffed by lighting experts familiar with Hollywood requirements.


Rombex Production Corp., a recently formed subsidiary of Du Art Film Laboratories, 245 W. 55 St., New York, NY 10019, offers post-production services for users of 1/2- and 1-in video tape. Plans are under way to expand the facilities to include the handling of 2-in color video tape for broadcasting. President of Rombex is Richard S. Marcus who was formerly Vice-President in charge of Engineering for Reeves-Actron Corp. John Anthony is Vice-President and Phil Mancino is Chief Engineer.

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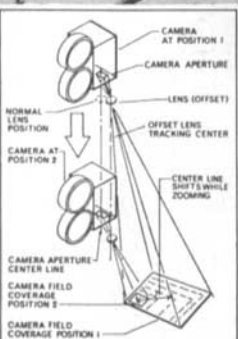
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Dotted lines show how center shifts as camera carriage is raised or lowered. Amount of center shift for a given zoom can be accurately preset.

Features:


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- Receives 16mm components
- Automatic dissolve 8 to 120 frames
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- 6 speed stop motion motor
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- Counters and controls on all movements
- Wide range of accessories including electronic compound controls, floating platen and peg assembly
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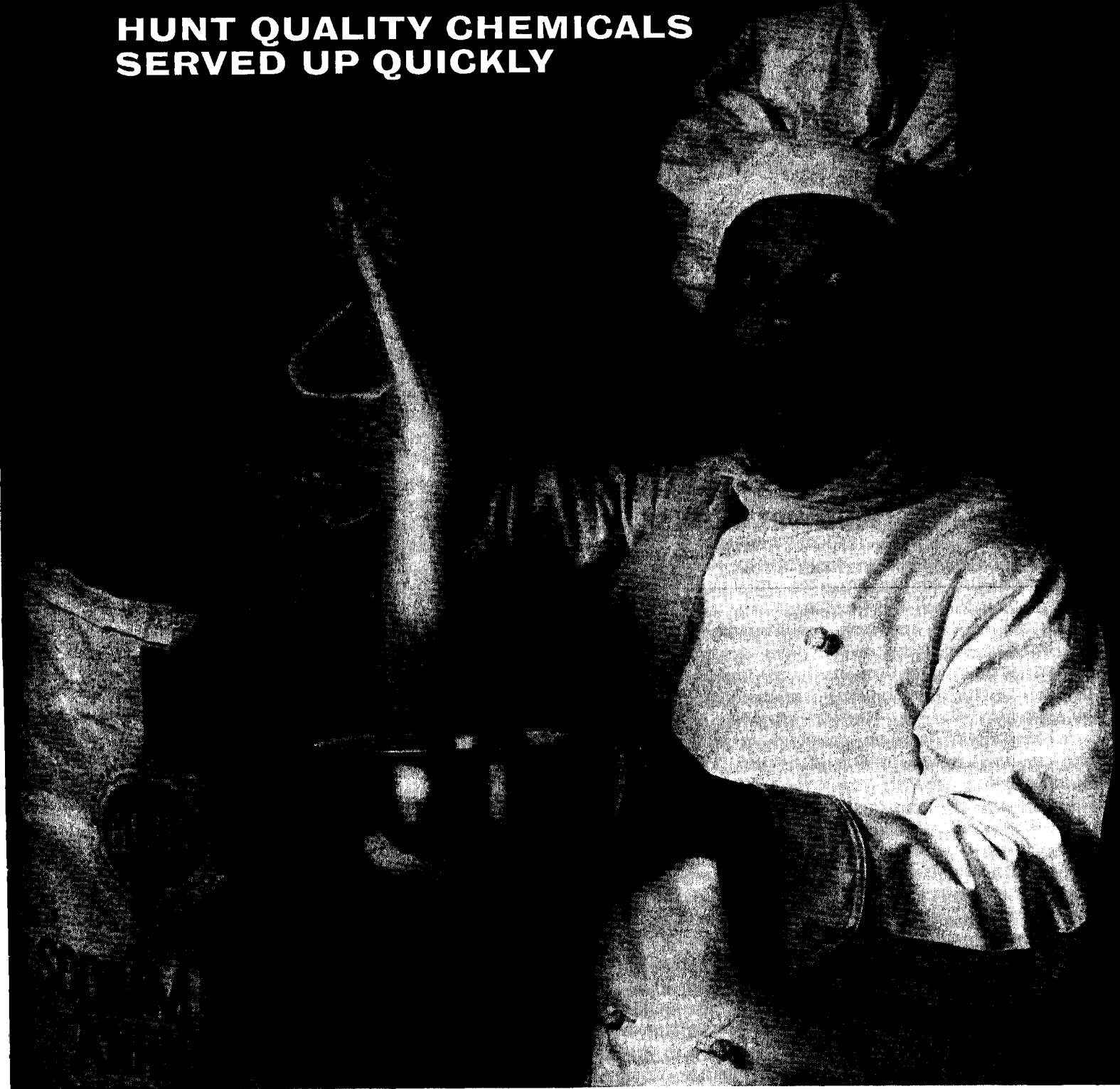
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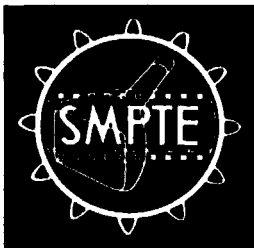
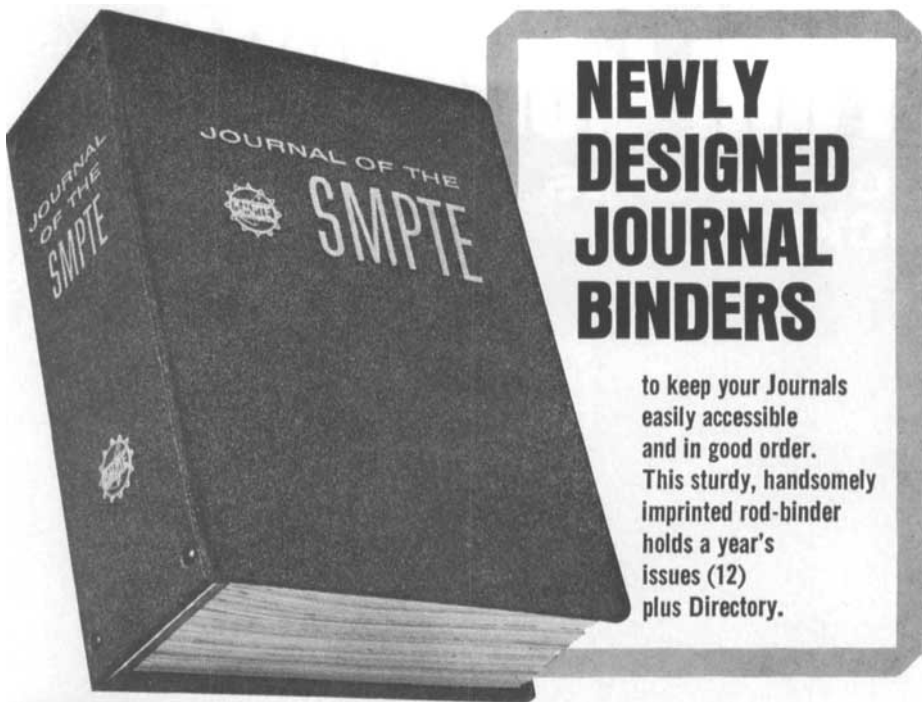
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Transportability is one of the major requirements for the equipment necessary to bring round-the-world and round-the-universe news to television viewers and two recent examples of news events occurring in unusual environments were President Nixon's globe-circling tour and Pope Paul's visit to Uganda. For both these events an air-transportable version of the Mark IV color film processor manufactured by the Equipment Division of Jamieson Film Company of Dallas, TX, was used to process film for television broadcast by the major networks.

For the Pope's visit to Uganda, a Jamieson Mark IV was transported by air from Rome to Kampala, Uganda, where it was set up in a steel-roofed hut. Films of the Pope's visit were processed in the hut and beamed to an orbiting satellite for immediate broadcast to the world. The air-transportable processor has special electrical features to make it adaptable to the many power sources found in various parts of the world. The system includes chemical mixers, storage tanks, pumps and related equipments.

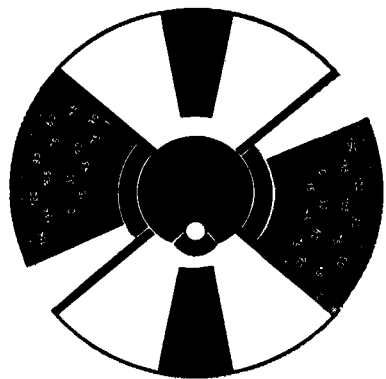
After arriving in Uganda, the Mark IV was carefully checked after its flight by Carl Johnson (L, above), representing Jamieson's Equipment Division. He is assisted by a technician from Radio Televisione Italiana.

The 10th UAIDE Annual Meeting will be held November 3-6 in San Diego, CA: There will be considerable emphasis on computer animation and the program will include papers, panel discussions and workshops on computer animation and related subjects. Further information is available from Dr. Donald D. Weiner, Dept. of Electrical Engineering, 128 Hinds Hall, Syracuse University, Syracuse, NY 13210.

E. B. "Mike" McGreal has announced his resignation as head of Producers Service Corp., 1200 Grand Central Ave., Glendale, CA 91201, manufacturers of special-effects motion-picture equipment. While he was with the firm he was responsible for the development of the firm's High-Speed Optical Reduction Printer which won an Academy Award. Prior to joining Producers Service Corp., Mr. McGreal was head of all photographic departments for Warner Bros. Studios. In the future he will be available to Producers Service for consultation, the announcement stated.

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more exposure control

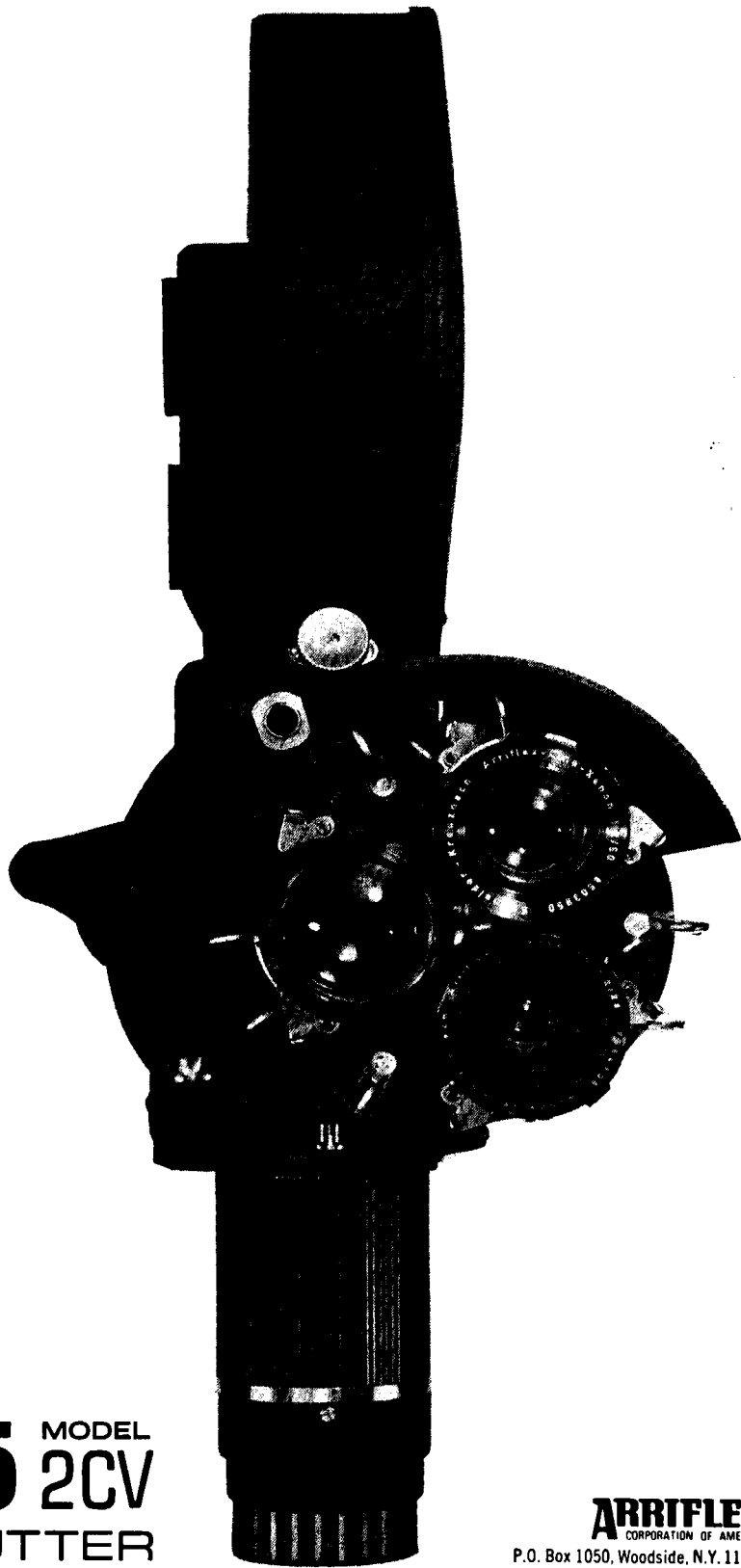
Lenses give their finest images at certain apertures. Maintain these apertures by adjusting exposure with the variable shutter instead of the diaphragm. The variable shutter can also eliminate the need for ND filters and the optical deterioration they create.

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A 'busy' background can ruin an otherwise good shot. Wash it out—close down the shutter and open the lens to reduce depth-of-field—the background stays in its place: the background.

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Fast-moving subjects may speed by too quickly to register at the wide-open shutter speed of 1/48 sec. So close down the shutter—just enough to 'freeze' the action in each frame and get sharper pictures on the screen.



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with VARIABLE SHUTTER

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James L. Wilson has been appointed Vice-President and General Manager of the Audio-Video Systems Div. of Philips Broadcast Equipment Corp., One Philips Parkway, Montvale NJ 07645. He was formerly Vice-President of Engineering for National Broadcasting Company. While with NBC he was responsible for the design and construction of a number of television facilities in New York, Los Angeles and elsewhere. He was also project engineer for the first color studio at NBC and he participated in the design of a computer-controlled switching central complex for NBC's West Coast TV operations.

Charles P. Ginsburg, Vice-President of Ampex Corp., is the recipient of the How-

ard N. Potts Medal of the Franklin Institute. Presentation was made during the Institute's annual Medal Day ceremonies held October 15. The award was made because of his being "the key contributor to the development of an extended-range magnetic recorder capable of recording and reproducing video signals, an innovation which has made a major impact on the television industry." The introduction of video-tape recording (see "A New Magnetic Video Recording System" by Charles P. Ginsburg (*Journal* pp. 302-304, May 1956) was one of the most important developments in the history of television. Mr. Ginsburg was presented with the David Sarnoff Gold Medal at the SMPTE fall conference in 1957.

Sidney P. Solow, President of Consolidated Film Industries, 959 Seward St., Hollywood, CA 90038, began his twenty-second year of conducting a course in the Technology of Motion-Picture Processing at the University of Southern California on September 16. Mr. Solow, who was given the rank of Adjunct Professor in 1967, lectures on photographic theory, control techniques and practical aspects of laboratory procedures.

Fred Benjamin has been appointed Vice-President, Industrial and Military Products of Christie Electric Corp., 3410 W. 67 St., Los Angeles, CA 90043. He has been with the firm since 1959 and prior to his present appointment he was Manager, Industrial Sales for dc power supplies, industrial battery charges and xenon arc lamp electrooptical systems.

Tom E. Christie has been appointed Executive Vice-President and General Manager of Christie Electric Corp., 3410 W. 67 St., Los Angeles, CA 90043. He has been with the firm since 1961 and has been a Vice-President since 1968. S. L. Christie continues as President of the company.

Kurt Oppenheimer has joined Reeves/Actron as Vice-President of Engineering. He was previously Director of the Industrial Engineering Dept. of CBS Television Network. In his new post he will be responsible for research and development and engineering operations including video-tape duplication, electronic editing, kinescope recording and film-to-tape transfers.

John R. Poppele, President of Tele-Measurements, Inc., has been elected a Director of Educating Systems, Inc., 770 Lexington Ave., New York, NY 10011, designers of equipment intended for instructor-student communication through pushbutton electronics. Mr. Poppele was formerly Director of the Voice of America. Later he founded Tele-Measurements, an audio-visual engineering group.

Arie Landrum has been appointed Regional Marketing Manager for Berkeley-ColorTran, Inc., 1015 Chestnut St., Burbank, CA 91502. Mr. Landrum's headquarters will be in Lexington, KY. He was formerly Program/Production Manager for WLCY-TV in St. Petersburg, FL.

Charles Shevlin has been appointed Manager of Lighting Control Products for Ward Leonard Electric Co., Mount Vernon, NY 10550. He was formerly Manager of the Lumitron Div. of Metropolitan Electric Mfg. Co. of New York. In his new post he will be responsible for marketing solid-state and auto-transformer lighting controls.

Joseph M. Trachtenberg has been elected Assistant Vice-President of Visual Electronics Corp., 356 W. 40 St., New York, NY 10018, it was announced by James B. Tharpe, President. Mr. Trachtenberg has been Comptroller since joining the firm in 1966. In his new post he will serve as Chief Accounting Officer.

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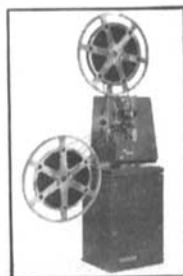
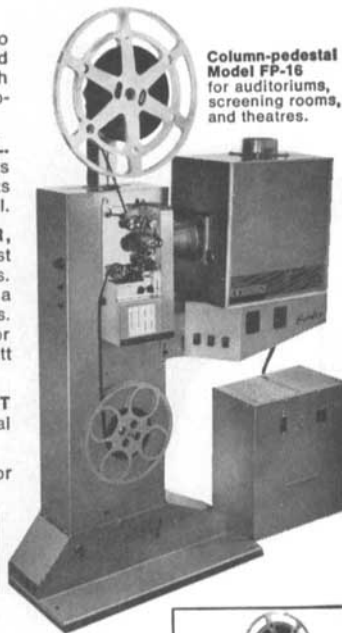
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