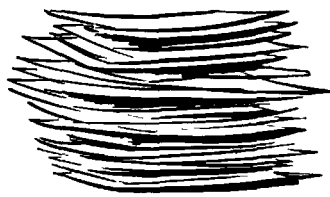
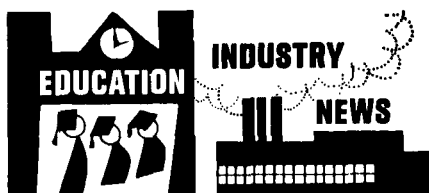


# news and reports



Members of the four-man team of cinema specialists who left September 27 for a three-week tour of the film industry in the Soviet Union are **Konstantine Pestrecov**, IBM physicist and optical engineer; **Herbert E. Farmer**, Director of Services, University of Southern California Department of Cinema (leader of the delegation); **Sidney P. Solow**, President, Consolidated Film Industries, Los Angeles; and **Saul Jeffee**, President, Moviellab, Inc., New York. Major film centers in the USSR were visited as part of a cultural and scientific exchange visit sponsored by the Society with approval of the U.S. State Department. The tour included motion-picture training centers at Moscow and Kiev universities and studios and laboratories in Moscow, Leningrad, Kiev and Kharkov. A report on the tour will be presented by Mr. Farmer at the Society's Technical Conference in Montreal. In 1963, a similar tour was sponsored by the Society. Leader of the group was Deane R. White. Other members were Frank Capra, Ethan M. Stifle and the late William E. Gephart, Jr. (Staff photograph, Joseph R. Stiffler).



The Rochester Section of the Society and the Rochester Chapter of the Society of Photographic Scientists and Engineers (SPSE) will conduct a completely joint program for the 1965-1966 season, beginning September 25 with an all-day convention on color television, it was recently announced. In making the announcement, SPSE Chapter President, John C. Barnes and SMPTE Section Chairman, Allan L. Williams, stated, "This will permit a greatly expanded program both from the standpoints of technical interest and frequency, thus benefitting the local chapter and section memberships, the profession, and the industry."

All meetings will be held at the Dryden Theater, 900 East Ave., Rochester, and will begin at 8 P.M. Four of the meetings will feature a continuation of the Visual Encyclopedia series. This season's theme is Scientific Instruments and Techniques for Photographic Science.

Scheduled are the following meetings:

October 21, "Photographing the movie, *Alaskan Film Trails*," presented by Jack M. Streb, Eastman Kodak Co.

November 11, "Cinematography for color television," Alex Quiroga, NBC.

December 9, "Lasers in photography," Brian J. Thomson, Technical Operations, Inc.; and Visual Encyclopedia "Thin-layer chromatography," Bryant W. Rossiter, Research Laboratories, Eastman Kodak Co.

January 6, 1966, "Thermoplastic film recording," Townsend MacCoun, General Electric Research Center.

January 27, "Photosolubilization of silver salts," R. K. Blake, Photo Products Department, E. I. du Pont de Nemours & Co.; and Visual Encyclopedia "Electron Micros-

copy," Carl F. Oster, Research Laboratories, Eastman Kodak Co.

February 17, "Lighting for television," J. A. Flaherty, CBS.

March 10, "Azine dyes for color photography," V. Tulagin, Xerox Corp.; and Visual Encyclopedia "Spectrophotometry I," Frank Grum, Research Laboratories, Eastman Kodak Co.

April 21, "Ground data recording equipment for Project Surveyer," Kenneth Butler, Jet Propulsion Laboratories, California Institute of Technology; and Visual Encyclopedia "Spectrophotometry II," Frank Grum.

May 19, "Underwater photography," Dimitri I. Rebikoff, Rebikoff Oceanics, Inc.

Newly installed officers and councilors of the SPSE Rochester Chapter are: President, John C. Barnes, Eastman Kodak Co.; First Vice-President, David A. Engdahl, RIT; David C. Gilkeson, Second Vice-President, 3M Co.; Recording Secretary, Wilfred J. Moretti, Eastman Kodak Co.; Executive Secretary, Leland M. Porter, Eastman Kodak Co.; Senior Director, Frederic C. Libby, Eastman Kodak Co.; Director and Past-President, James A. Eyer, Institute of Optics, Univ. of Rochester; Directors, John D. Hayes, Xerox Corp., and Woodlief Thomas, Jr., Eastman Kodak Co. Councilors are: Walter T. Bazaar, Bell & Howell; John Buzawa, Tropel, Inc.; Robert Heine-Geldern, Xerox Corp.; Sheldon Phillips, Jack E. Pinney, William H. Price and A. Theodore Sampson, all of Eastman Kodak Co., and Richard D. Zakia, RIT.

The Engineering Institute on Photographic Techniques for Measurement to be held November 18-19 at the University of Wisconsin (*Journal*, p. 694, Aug. 1965) is co-sponsored by the Society through the Chicago Section. Sponsorship of this important educational project involved efforts of Reid H. Ray, Chairman of the Education Committee, and Jack Behrend, chairman of the Chicago Section. Also involved in the project is the Central Sec-

tion Sub-Committee for Specialized Training, of which Allen Hilliard is Chairman.

The two-day Institute will cover a variety of photographic techniques, including those useful for the engineering measurement of time-displacement, stress, luminosity, pressure, flow and size. Applications in research, product design and development, instrumentation and testing will be discussed.

Papers to be presented include "Introduction to Photographic Technique as an Engineering Tool" by William G. Hyzer; "Air Flow Visualization" by Frederick Ringleb; "Dynamic Stress Analysis" by W. F. Riley; "Interferometry," by Robert Rowe; "Micrography" (author to be announced); "Luminosity-Densitometer" (author to be announced); "Underwater Photographic Measurement" by Harold Edgerton; "Stroboscopy" John H. Goncz; and "High-Speed X-Ray Technique" by W. P. Dyke.

The British Industrial Film Association's (BIFA) recent announcement of officers also recalls the broad support of such activities abroad.

Sir Peter Runge, formerly President of the Federation of British Industries, was elected President of BIFA at the Association's Annual General Meeting held September 8 at the Savoy Hotel in London. Sir Peter has been closely concerned with the activities of BIFA. He was Vice-Patron of the 5th International Industrial Film Festival held November 1964 in London and was also President of the BIFA National Industrial Film Awards Competition held in June 1965. The Earl of Drogheda, Managing Director of the Financial Times, the Earl of Halsbury, President of the Institution of Nuclear Engineers, and R. E. Tritton, General Manager of Public Relations and Information of the British Petroleum Company were reelected Vice-Presidents. J. H. Hambro, Chairman of Hambros Bank was reelected Honorary Treasurer.



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Members of the Council (the governing body of BIFA) are: B. G. Akroyd, Edgar Anstey, Clive Barwell, R. L. Bassett, Maurice Buckmaster, J. Campbell Fraser, W. P. N. Edwards, Peter Goodricke, S. Lyle-Smythe, L. M. Mitchell, M. W. Pitts-Tucker, J. Michael Shersby, H. E. P. Spearing, Brian Trench and Hugh Whitwell.

The BIFA was formed in 1961 by industrial film sponsors in the United Kingdom to represent their interests and to promote a wider understanding of the best ways of using film and other audio-visual aids. Membership now includes more than 120 industrial and commercial firms in Great Britain. Membership is limited to industrial, government, nonprofit and professional organizations that sponsor and use films. Film production companies are not eligible for membership. Among BIFA activities is the annual national film awards competition. This year, 15 films were chosen to represent Great Britain at the 6th International Industrial Film Festival held October 11-16 in Rouen, France (*Journal*, p. 456, May 1965). Fourteen films were awarded BIFA Diplomas and 27 films received Certificates of Merit. BIFA headquarters is at 30 Queen Anne's Gate, London S. W. 1, England.

**The Rochester Chapter of the Society of Photographic Scientists and Engineers** has made a grant of \$2,500 to the College of Graphic Arts and Photography of the Rochester Institute of Technology. John C. Barnes, President of the Rochester SPSE Chapter, presented the check to Dean C. B. Neblette. The funds will be used for the purchase of scientific instruments for use in the science of photography.

**A Symposium on the Properties and Uses of Selenium and Tellurium** will be held October 26-27 at the Barbizon-Plaza Hotel in New York. The symposium is sponsored by the Selenium-Tellurium Development Association, 11 Broadway, New York, N.Y. 10004. Papers will be presented covering various aspects and properties of the two metals and typical applications will be discussed. The two-day symposium will include a display of typical applications of selenium and tellurium compounds and products incorporating both metals.

**Rochester Institute of Technology's photography students** will take only three technical courses per quarter instead of five or six. The announcement was made by C. B. Neblette, Dean of the College of Graphic Arts and Photography, who said that the reduction in the number of courses would allow students to study a subject in more depth and would also give them time for outside research. He said that course objectives in the School of Photography had been reevaluated and it had been found that some courses could be combined to provide students with a more concentrated program of study.

**The Fall meeting** of the Pioneer Motion Picture Projectionists 25/30 Club was held September 9 in New York. Frank Riffle, President of Carbons Inc., Box K, Saddle

River, N. J., was installed as an honorary member of the club. Mr. Riffle spoke on the 35/70 Cinemeccanica projection systems and also provided information on 2,500-w xenon lamphouses and Osram xenon bulbs. Other speakers included Pierre Demoreuille who spoke on "Uses of Carbon Arcs Other Than for Theater Projection." His talk included a discussion of solar stimulation used by NASA at Houston, Texas. Manfred Pickerell spoke on "Xetron Light Sources in Connection With Professional 35/70 and JAN Projectors." Peter Jensen discussed the construction, application and advantages of xenon bulbs as light sources.

A 35mm color motion-picture test film containing material for subjective tests of color television systems has been provided by the collaboration of certain members of E.B.U. Ad-Hoc Group on Color Television. Those who contributed to the project are: Kodak Research Laboratories, Harrow; Compagnie Française de Télévision, Paris; Rank Laboratories (Denham) Ltd., Denham; ABC Television, Teddington; BBC Film Department, Ealing. Copies of the test film were prepared by Rank Laboratories (Denham) Ltd., The North Orbital Road, Denham, Buckinghamshire, England.

The film consists of

(1) A black-and-white test card printed on Ilford gray-based black-and-white positive film, approximately 39 m in length. Resolution test patterns representing video frequencies 1.5 Mc/s, 2.5 Mc/s, 3.75 Mc/s and 5.25 Mc/s (625-line scanning standard) are included in the test card.

(2) A color test card as in Slide E.B.U. 7 printed on Eastman release color positive film, approximately 11 m.

(3) A series of 11 different scenes representative of typical color television transmission material printed on Eastman release color positive film, approximately 156 m. The scenes include studio and outdoor settings with some high-saturation colors and some low-key pictures with shadow detail.

Copies of the film were available as advance orders at a cost of £30, with further information available upon request to Dr. Frank Gloyns, The Rank Laboratories (Denham) Ltd., The North Orbital Rd., Denham, Buckinghamshire, England.

**Our Heritage**, a 35mm Eastmancolor documentary motion picture, produced and directed by Emerson Yorke for Prestige Productions, 1546 Argyle Ave., Hollywood, Calif. 90028, has been acquired by the Department of Defense according to terms of an unusual contract. The picture, which tells the story of Thomas Jefferson and the Declaration of Independence, will be released by the Department of Defense in January 1966, according to the present schedule, and will be shown primarily to members of the armed forces throughout the world. One clause of the contract provides that the services of 100-piece U.S. Marine Band-Orchestra and technical facilities be made available to Prestige in Washington to record the original music score for the picture.

It was also announced that Mr. Yorke is negotiating for 1966 theatrical release of a liberty series of three one-hour color

features patterned on the general format of *Our Heritage* to be produced by Mr. Yorke for Prestige on the Goldwyn lot in Hollywood.

**The International Conference on UHF Television** will be held November 22-23 in the Institution of Electrical Engineers building in London. Sponsors of the Conference are the Institution of Electrical Engineers, Institution of Electronic and Radio Engineers, the United Kingdom and Eire Section of the Institute of Electrical and Electronics Engineers, and the Television Society. Representatives from some 17 countries are expected to attend the two-day conference. Opening address of the conference will be given by Professor Sir Willis Jackson, F.R.S. of Imperial College, who

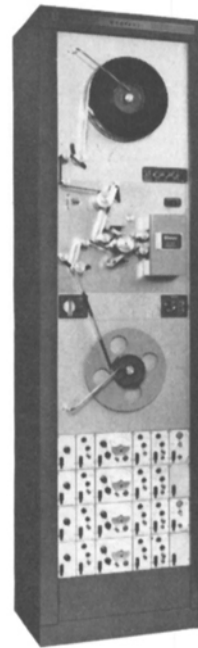
is Chairman of the Technical Subcommittee of the Television Advisor Committee.

The first session will be on Planning and Propagation. Papers to be presented include "Television Coverage on UHF" by F. C. McLean, BBC Director of Engineering. Subject of the second session will be Transmitters and Translators. The third session will cover Aerials, Feeders and Parametric Devices, and the fourth and final session will be on Receivers.

Further information is available from the Institution of Electronic and Radio Engineers, 8-9 Bedford Square, London, W.C. 1, England.

**Publication of Film Evaluation Guide**, containing appraisals of 4,500 16mm films, has been announced by Educational Film

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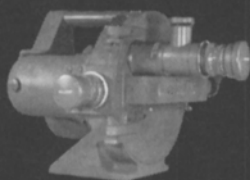
**GENERAL DATA:** The LRA-1552-F/T records three channels on 35mm. magnetic film. It is equipped with torque motors for take-up and fast rewind, and with removable magnetic head assembly. Modular plug-in, solid state units with full use of silicon transistors are provided in the electronic circuits. Three types of motors are available: synchronous, interlock and composite, 50/60 cycles. Other models available from one to six channels.



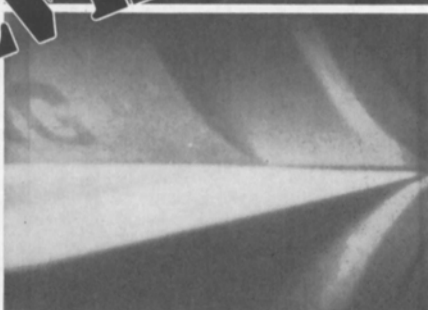
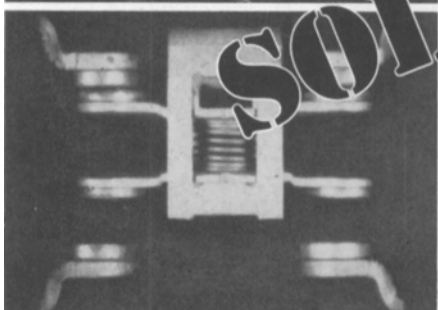
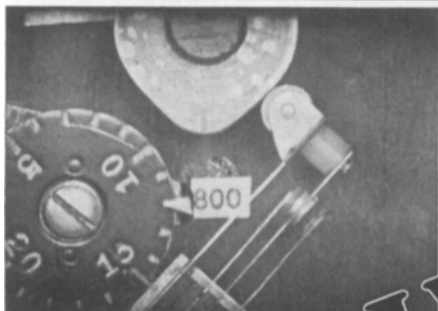
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Library Association, 250 W. 57 St., New York, N.Y. 10019. Evaluations in the *Guide* include such basic information as film title, running time, price, release date, producer and distributor, together with a brief synopsis of each film, evaluation of technical quality, recommendations on appropriate audience age levels, critical comments and an overall rating of the film as a whole.

Among other publications announced by EFLA is *The Filmlist* which will be issued monthly to keep EFLA members informed on new 16mm releases, and *Film Review Digest* will be expanded and published as a regular quarterly. Also announced is a 100-page directory of theatrical films available in 16mm from 20 major distributors, called *Index of 16mm Feature Films*.

Among other activities, the organization conducts the American Film Festival, an annual competition for nontheatrical films. The next such event will be held May 11-14, 1966, at the Biltmore Hotel in New York.

**The field of fiber optics** is covered in a review prepared by the National Bureau of Standards Institute for Applied Technology which describes progress in Government-sponsored research in respect to theory and development as well as hardware. In general terms, according to the review, fiber optical technology is a discipline that uses the visible and infrared portion of the electromagnetic spectrum to perform optical functions heretofore impossible. For example, it is often desirable to transfer electrical signals from one circuit to another by means other than electrical interconnection. Logical operations, impedance transformation, and switching encountered in digital computers may soon be accomplished without any electrical connection between the circuits. The varying signals encountered in telemetry and other branches of communication may also be transmitted through the use of optical techniques. The review (OTR-118N Fiber Optics) is available without charge from Clearinghouse, U.S. Department of Commerce, Springfield, Va. 22151.

**Films for Commerce and Industry**, an illustrated brochure which presents a brief survey of the type of scientific, educational and documentary films being produced in South Africa, is available upon request from Mr. Geoffrey Mangin, Executive Producer, Video International Productions, P.O. Box 23464, Johannesburg, South Africa. Mr. Mangin notes that the Republic of South Africa is the center of the film industry on the African continent. He offers to supply specific information about films and television in the area to any interested person who writes to him at the address above.

**The Five C's of Cinematography**, by Joseph V. Mascelli, will be available later this year according to a pre-publication announcement from Cine/Grafic Publications, P.O. Box 430, Hollywood, Calif. 90028. Mr. Mascelli is Editor of the *American Cinematographer Manual*. The "five C's" are: Camera Angles, Continuity, Cutting, Close-Ups and Composition. The

book is intended to give practical instructions on adapting Hollywood production methods to limited-budget filming.

**A contract for development of a filmcard camera-processor** has been awarded to the Westwood Division of Houston Fearless Corp. by the Council on Library Resources, Inc. The contract calls for the delivery of a prototype in approximately one year. The device being developed includes a step-and-repeat camera, which permits images to be added to a card one at a time; tilting equipment; camera control unit; and film developing equipment integrated into one unit. A silver halide technology is being utilized. The device is expected to record and produce a filmcard transparency containing multiple microimages up to 60 per filmcard. The filmcard produced from the original copy is expected to take less than a minute to process.

**A film and TV production center** is being constructed on a 55-acre site by Studio City, Inc., 1942 N.E. 151 St., North Miami, Fla. When completed, the complex will consist of one large sound stage, 350 × 150 × 50 ft and four smaller sound stages, each 160 × 125 × 40 ft. Each of the sound stages will have 35mm rear-projection facilities as well as "pits" 30 × 30 × 12 ft deep which can be used for basement or first floor shots or flooded for water shots. The four smaller stages have dividers which can make eight sound stages, each 125 × 80 ft. The stages will all be self-contained — having offices, conference rooms, make-up, wardrobe and dressing rooms, showers and camera rooms.

Sound recording studios fully equipped to do recording, rerecording, dubbing, etc., will be available as well as full film editing services. A 650-seat live TV theater is being built as well as a motel, cafeteria, restaurant-lounge and large swimming pool. The swimming pool will have a glass wall with a tunnel for process work. There is also a back lot of about 35 acres, with a lake for water shots. Complete animation facilities are also included.

**A three-story building** with 185,600 sq ft of floor space is now under construction at Kodak Park Works, according to an announcement by Eastman Kodak Co. Designed to house spooling, inspection and packaging operations on roll film for use in Kodapak cartridges, the building is scheduled for completion in late 1967. It will be 275 ft long and 225 ft wide and will have a brick exterior. The construction site is in a newly developing area where a number of major Kodak Park facilities have been located in recent years. Kodak Park, which was started in 1891 on a 16-acre site now has more than 140 buildings on 1,300 acres. The plant employs more than 20,000 persons.

**A new material, named beta tantalum,** has been found by scientists working at Bell Telephone Laboratories and Western Electric Engineering Research Center. Beta tantalum differs from normal tantalum in that it has a higher resistivity, a lower temperature coefficient of resistance, and it becomes a superconductor at a

much lower temperature. The discovery was reported in the July 1 issue of *Applied Physics Letters*, a publication of the American Institute of Physics. Thus far, beta tantalum has been observed and produced only in film form. Most of the experimental data has been collected from films produced by cathode sputtering, although beta tantalum has also been observed in film made by evaporation and chemical-vapor deposition processes. When the films are formed in a sputtering system containing  $10 \times 10^{-3}$  to  $30 \times 10^{-3}$  torr of argon, beta tantalum is frequently observed when the total pressure of other gases in the vacuum system is less than  $1 \times 10^{-5}$  torr. Beta tantalum converts to normal tantalum when heated in a vacuum to about 750 C.

**A technique for producing wire** with a very smooth surface by drawing it through dies submerged in an ultrasonically agitated liquid has been devised at Bell Telephone Laboratories. The agitated liquid continuously cleans the wire and dies so that the drawn wire is relatively free of embedded particles and surface scratches. In the new technique, the ultrasonic energy forms extremely minute vapor cavities in the liquid wherever it contacts a solid surface. The expansion and collapse of the cavities "scrubs" the wire clean of foreign particles before it enters the dies to be reduced. The ultrasonic agitation keeps the particles suspended in the liquid and prevents them from collecting in the entry areas of the dies; thus they do not score the wire as it is drawn through the dies.

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**GENERAL DATA:** The ST-1018 Type Console consists of Table Model Housing, the required number of Mixer Control Units, a Master Control Unit, and the required number of filters and equalizers. Large scale V.U. Meters are provided. Selection of Direct or Film monitoring is provided through a two-position switch. A three-way talk back facility provides essential inter-communications. The Console is fully transistorized.

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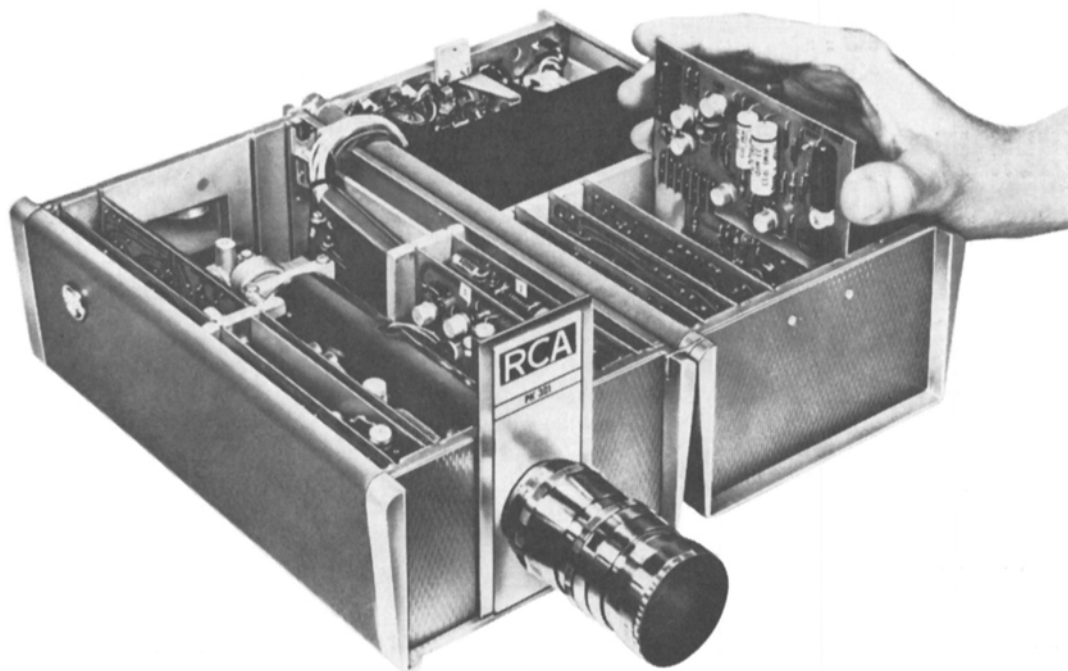
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**Breakthrough in versatility** — Modular design permits changing camera operating characteristic — 24 variations to suit most requirements. Camera head can be separated from controls, remotely operated.

**Breakthrough in system possibilities** — Complete line of accessories for unlimited system operation, including switching systems, video amplifiers, monitors.

**Breakthrough in operating ease** — Easy-to-handle camera weighs just 11 pounds complete. Minimum operating controls needed; group on plug-in-panel which may be remotely located from camera, up to 10,000 feet.

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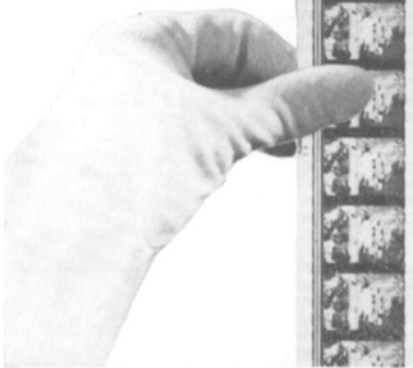
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Four television cameras fitted with Gemini film recording equipment, reportedly the first commercial use of the Gemini system in Great Britain, were used to produce a 16mm color film of the National Jazz Festival held recently in Richmond, Surrey, England. A system for recording television programs during transmission and/or video-tape recording, it involves a beam-splitting device to share the image between a 16mm camera and the television camera tube. It can be installed on any studio television camera fitted with a Rank Taylor Hobson Varotal V zoom lens. Developed by the Special Products Div. of M.G.M., the Gemini system is marketed by Rank Studio Equipment in all countries except Japan and those in North and South America.

A free lens-test service for all types of motion-picture camera lenses has been announced by Gordon Enterprises, 5362 N. Cahuenga Blvd., North Hollywood, Calif. The tests will be conducted by optical engineers using the Richter Reflex Auto-collimator for photographic optics. Up to four lenses per customer will be checked and tested for focal plane accuracy, overall lens quality, visual resolution, flatness of field, contrast and correct adjustment of lens-to-camera distance.

Oscar Fisher Company, Inc., P.O. Box 2305, Newburgh, N.Y., has been appointed distributor within the United States and Canada for the Model 16.R Lawlette Daylight operated, dry-to-dry, automatic film reversal processing machine. The machine has a sprocket drive and is supplied with either 100-ft or 400-ft capacity magazines.

Skirpan Electronics, Inc., 41-43 24th St., Long Island City, N.Y., has announced production of a full line of electronic solid state dimmers for controlling the intensity of lighting for theater stages, television studios and similar applications. The units are designed by Stephan J. Skirpan, President of the firm.

Radiant Manufacturing Corp., 8220 Austin Ave., Morton Grove, Ill. 60053, has been acquired by the Chicago firm, Electro-Netic Steel, Inc., as a wholly-owned subsidiary. Radiant, formerly a subsidiary of U.S. Hoffman Machinery Corp., manufactures projection screens for use in homes, schools and industry. No changes in the firm's operating and marketing practices are contemplated.

Flying head clearance on magnetic memory drums is now inspected ultrasonically with a reported 85% reduction in check-out time, according to an announcement by Litton Guidance and Control Systems Division, Woodland Hills, Calif. The system, called the Delcon Ultrasonic Translator Detector, consists of two interchangeable probes responsive to 36- to 44-kc acoustical energy, and a 9-lb portable, transistorized instrument with the electronics to translate the ultrasonic signal to the audible range and amplify it through loudspeaker or earphones. One probe has a 22° directional focus and the

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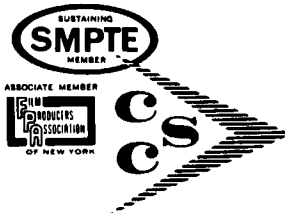


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on your rental equipment! )

Sure, today all major rental equipment companies are offering you highly competitive rates. But here's the difference — and it's a vital difference. You know when you rent or buy from CSC, you are guaranteed only the finest maintained professional motion picture equipment available. We don't have to tell you what equipment failure can mean — sometimes thousands of dollars

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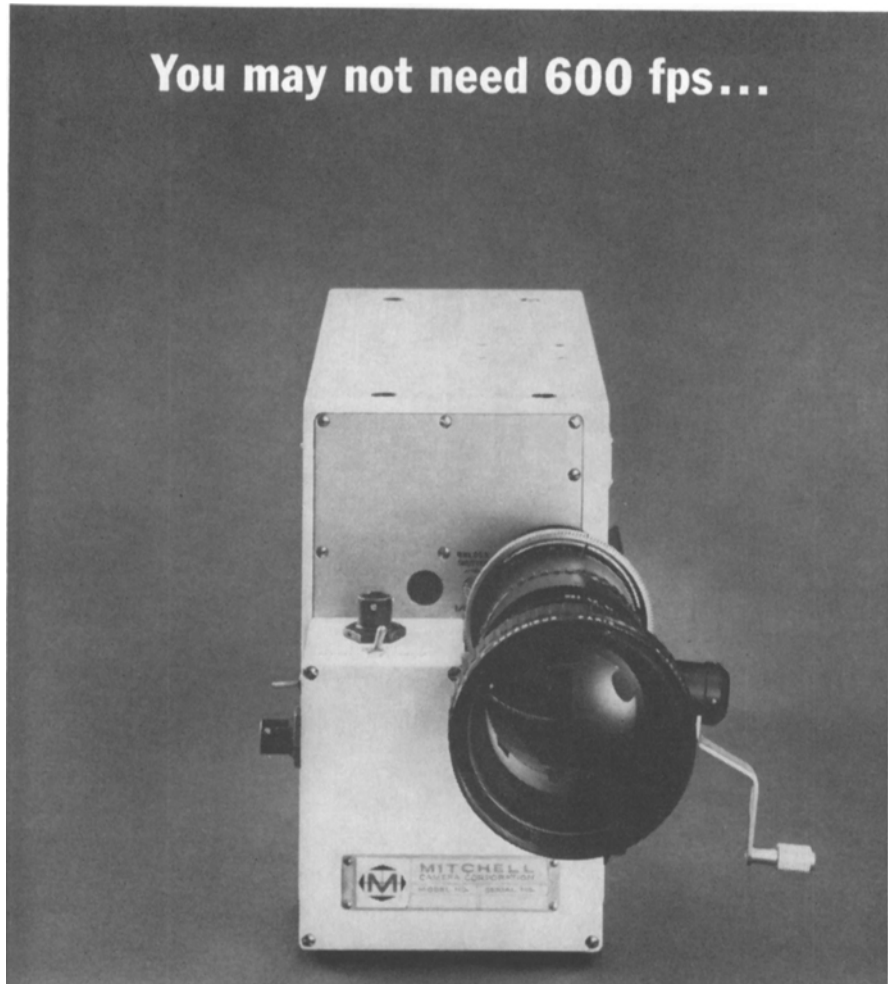


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You may not need 600 fps...



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Monitor 16mm\* has other  
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A strong point in itself: **frame rates up to 600 fps**, variable in 1-frame increments during standstill or in operation, **even by remote control** or programming with  $\pm 1\%$  regulation. But speed isn't everything — this camera excels other ways, too. Highest degree of steadiness is assured by **dual pin registration**, which keeps film perfectly aligned horizontally and vertically. The **universal** (commercial, military and international) motor operates on either 28 VDC or 120 VAC-DC, 50 to 1,000 cycles standard. Result: **no motor changing**, far less down-time. An integral reflex boresight system permits **through-the-lens viewing without removal of film**. Shutter also is integral and adjustable from 6° to 120° from **outside of camera**.

Compact (only 4.7" W x 7.2" H x 10.3" L) and simple to operate, the standard Monitor has a 400-foot internal capacity, also takes 1,200-foot external magazine with **breakaway take-up chamber** for removing exposed footage only.

Another option: Conex automatic iris system that controls exposure at all frame speeds, makes approximately **six f-stop changes** in a quarter-second. Send for full technical data.

*\*Formerly a product of Cinerama Camera Corporation*



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85% of all films shown in theaters or on TV throughout the world are filmed with Mitchell cameras

other has a 5-in.-long stainless-steel stylus extension for detecting ultrasonic energy conducted through solids. The device is used to pinpoint which head among as many as 193 on a 160-channel drum is not maintaining the required 30- to 50-millionths in. flying clearance at operating rpm.

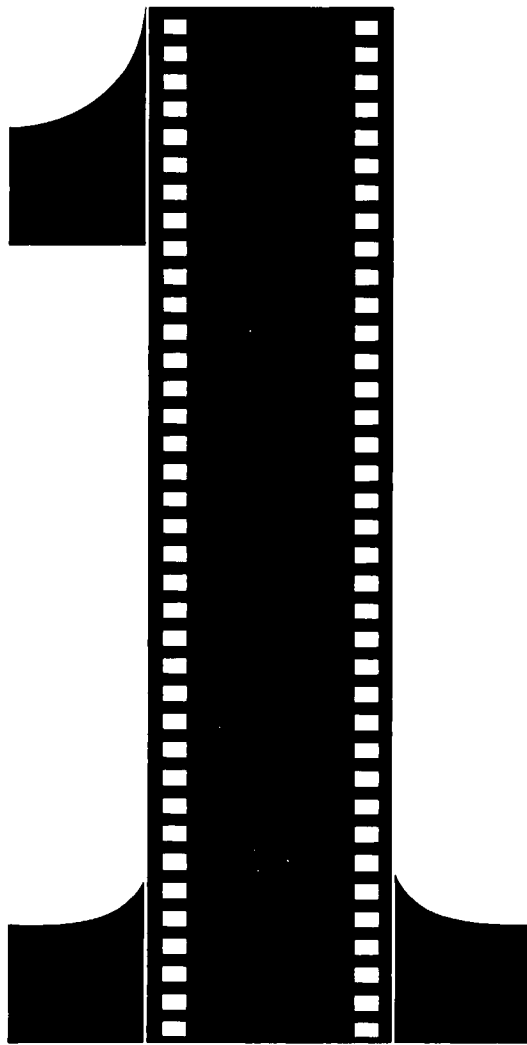
**A television disc recorder**, called the Model VDR-210CF Videodisc, designed and built by MVR Corp., Palo Alto, Calif., especially for sports telecasting, was used to record and play back action highlights of a Baltimore Colts intrasquad game broadcast by the CBS Television Network. This is said to be the first commercial application of a disc recorder for television. The 40-lb unit enables recording of complete 20-sec segments of the action which can be replayed in regular motion or stopped to provide "freeze action" shots. The VDR provides virtually instantaneous resetting ( $\frac{1}{3}$  sec) and pushbutton operation. It is priced at about \$10,000.

**The establishment of the National Program of Educational Laboratories** has been announced by the Bureau of Research, Office of Education, Washington, D.C. 20202. The program is designed to support multi-functional, multi-disciplinary educational research and research-related activities. Participants in a laboratory program will represent a broad spectrum of educational interests. Participants are expected to include educational institutions, professional associations, civic groups, etc.

**Austin G. Cooley**, a retired Vice-President of Litton Systems, Inc., and presently a technical consultant for Litton's Westrex Communications Division, was guest of honor at a testimonial dinner closing a 4-day meeting of the Meteorological Committee of the Air Transport Association of America. He was presented with a scroll in recognition of "his pioneering in the art of communications by means of facsimile" and his "contributions to airline meteorology." Mr. Cooley has been actively engaged in facsimile research and development since 1922.

**Earl R. Strandberg**, Lt. Col. USAF (Ret.) has joined the staff of Birns & Sawyer Cine Equipment Co., 6442 Santa Monica Blvd., Los Angeles, Calif. 90038, to provide liaison between the firm and military users of its photographic and instrumentation products. Col. Strandberg's military career began in 1942. He was first assigned to the 1st Motion Picture Unit as cameraman and retired as staff officer in the Ballistic Missile and Space Divisions of the Air Force Systems Command. He was photographer on the command plane with Generals Power and LeMay for the first atomic tests in the Marshall Islands (Operation Crossroads) and he was the first to record on film the sound of an atomic detonation during Eniwetok.

He was one of the eight officers who established the Lookout Mountain Laboratory in Hollywood to provide the Atomic Energy Commission with specialized film reports and for six years he was Deputy Commander. Later he was responsible for



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special positive film for making television prints

Before there were only two possibilities for making television prints :  
1. printing on normal positive film (contrast too high); 2. or printing on tele-recording film (coarse grain). Starting from now, this has changed completely : you use Gevaprint film for T. V. - Type 5.64... specially manufactured for making perfect television prints.

### Advantages :

Finer grain : less ground noise during transmission and improved image and sound quality • Simple processing : it can be treated in the usual positive baths, without altering normal development times • Easily recognizable : it has a blue base • Optimum image stability : as it is perforated according to very stringent norms.

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In the U.S.A. : 275 North St., Teterboro, N.J.

In Canada : Photo Importing Agencies Ltd., 29 Gurney Crescent, Toronto, Canada

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MORTSEL (ANTWERP) BELGIUM



# SMPTE test films for television



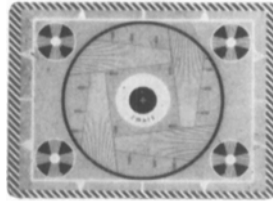
## NETWORK, LOCAL, CCTV...

*a test film library for  
engineering and telecine*

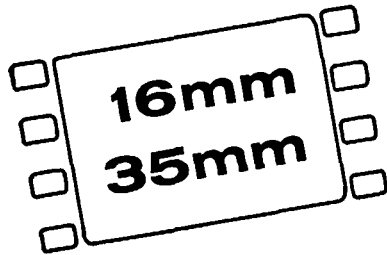
### VIDEO TEST FILMS

#### TEST FUNCTIONS:

alignment • resolution  
focus • linearity  
low and medium frequency response  
storage and transfer characteristics  
automatic brightness control  
qualitative picture analysis



### FOR COLOR TELEVISION



Grey Scale — for setting-up and adjusting  
signal generators

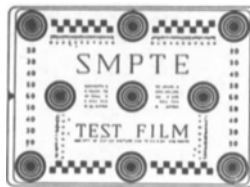
comparative and qualitative test of system's  
ability to reproduce color

representative quality Technicolor and Eastman  
color prints

### PROJECTOR PERFORMANCE

#### Test and Adjust:

picture steadiness • jump and weave  
shutter timing (travel ghost)  
framing • focusing  
aperture alignment



### SOUND REPRODUCTION *optical / magnetic*

#### Test, Adjust and Calibrate Projector

scanning beam slit position  
multi-frequency response  
azimuth and focus of sound optical train  
signal level and balancing, output  
flutter  
scanning beam illumination



### FOR THE SCREENING ROOM

Jiffy Test Film: a time saving quick evaluation of 16mm sound projector system performance

*for further information  
and for a complete listing of test films, write to Department TF*

### Society of Motion Picture and Television Engineers

9 EAST 41st ST., NEW YORK, N.Y. 10017

the photographic activities of all Air Research and Development Centers. While he was commander of the Flight Test Center Photographic Laboratory at Edwards Air Force Base, he was responsible for all documentation and instrumentation photography including the X-15 program and static testing of Atlas, Titan and Minuteman at the Rocket Test Site. Still later he had responsibility for all photographic documentation and instrumentation of launches from Cape Kennedy and Vandenberg Air Force Base.

**Robert W. Upson** has been appointed Assistant Director of the newly created Research and Development Division of E. I. du Pont de Nemours and Company, Wilmington, Del. He was formerly in charge of plant technical activity; in his new post he will be responsible for research in support of the established business. Dr. Upson has been with Du Pont since 1941, starting as a research chemist with the Central Research Department at the Experimental Station. He was transferred to the Parlin plant in 1952 as a research supervisor in the photo products research laboratory and returned to Wilmington in 1957.

**J. W. Servies** is the new Executive Vice-President and Chief Operating Officer of National Theatre Supply Co., 50 Prospect Ave., Tarrytown, N.Y. He was formerly Vice-President in charge of several phases of operation, a post he had held since 1952. Also announced was the appointment of John E. Currie as head of the firm's newly formed marketing group. He will also be in charge of the Eastern (except New York) and Central districts of the company. He has been a Vice-President of the firm for the past 13 years.

**Galon R. Miller**, Audio-Visual Director of South Bend, Ind., Community Schools, has been reelected President of the Educational Film Library Association, 250 W. 57 St., New York, N.Y. 10019. Also reelected are Vice-President James L. Limbacher, Director of the Audio-Visual Department of Dearborn Public Library and Secretary William J. Speed, Audio-Visual Director of the Los Angeles Public Library. Newly elected to serve three-year terms as Directors are Curtis Reid, Head of the Office of Audio-Visual Services of the Oregon State System of Higher Education, and Bertha Northern, Film Librarian of the Kansas City Public Library.

**Albert W. Malang** has been appointed Manager, Broadcast Product Planning for General Electric Visual Communications Products, 7-315 Electronics Park, Syracuse, N.Y. 13201. He was formerly Chief Video Facilities Engineer for American Broadcasting Company. In his new post he will be responsible for the establishment of all requirements, specifications, scheduling and other phases of new product introductions for G-E television broadcast equipment. Mr. Malang was associated with ABC for ten years. In 1962 he received an Outstanding Engineering Achievement Award from the Academy of Television Arts and Sciences for his development of slow-motion video tape.