

A graduate seminar on Films and Filming will be offered by the University of Southern California's Div. of Cinema at the Edinburgh, Scotland, Film Festival and in the Paris, France, Cinémathèque at

the French Film Museum. The seminar will be held Aug. 3 - Sept. 2. Students will spend 16 days at Edinburgh and five days in Paris. Offered as a feature of USC's 66th annual Summer Session, the seminar will be open to all graduate students. There are no prerequisites and no film experience is necessary. Activities of the class will include film screenings and other festival events, informal seminars and some 8mm film production. Each student may complete an 8mm film during the seminar. Further information is available from Dr. Russell McGregor, USC Overseas Cinema Program, Div. of Cinema, University of Southern California, University Park, Los Angeles, CA 90007.

The 8th Annual Theatre, Television and Film Lighting Symposium will be held May 21 - 24 at the Pick-Congress Hotel in Chicago. The symposium will include a State-of-the-Art Report, presentation of technical papers, panel discussions and practical lighting demonstrations with emphasis on the "small" rather than the "large" television film studio theaters. Remote lighting will be discussed. A special report from the Illuminating Engineering Society's Sports Lighting Committee should be of special interest to those with local basketball, hockey, football, etc., lighting problems. Information is available from Illuminating Engineering Society, c/o Mr. Kenneth A. Ponte, WBBM-TV 630 North McClurg Court, Chicago, IL 60611.

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The Tenth International Congress of UNIATEC will be held Sept. 18 - 22 in Berlin, capital of the German Democratic Republic. It will be preceded by the Seventh International Technical Film Contest. Theme of the Congress is: Consequences of New Procedures of Transmission, Distribution and Storing of Audiovisual Programs on Techniques of Today and Technical Developments of Cinematography, Television and Other Mass-Media. The official languages will be German, Russian, French and English. All reports and discussions will be interpreted simultaneously into these languages. In addition to the technical program, excursions will be conducted to the DEFA Studio for Feature Films in Potsdam-Babelsberg, the State Film Archive of the GDR and the DEFA Film Laboratories. Sight-seeing tours and visits to theaters and places of culture may also be arranged. The Congress is sponsored by Klaus Gysi, Minister of Culture of the German Democratic Republic. Additional information is available from the Organizing Bureau of the X UNIATEC Congress, DEFA Zentralstelle für Filmtechnik, DDR, 1197 Berlin, Germany.

The Film School at the Orson Welles Center in Cambridge, Mass., is offering summer courses in 16mm and super-8 filmmaking, a video workshop and a selection of film seminars. Study may be arranged on a full or part-time basis. Intensive super-8 and 16mm filmmaking courses have been designed to provide a solid background in film history and style as well as all technical aspects of filmmaking. The Video Workshop requires no previous video experience and is designed to familiarize the student with the complete range of television and video equipment. A series of Film Seminars will form part of the intensive filmmaking courses as well as providing part-time study for students with specific interests in film appreciation. A special Media Workshop for Teachers is also offered. Complete information and a catalog may be obtained upon request to The Film School, Box PRI, 1001 Massachusetts Ave., Cambridge, MA 02138.

The EMC 1972 Directory of Summer Session Courses on Educational Media lists more than 2,000 college and university courses on both undergraduate and graduate levels. The Directory comprises a series of concisely coded regional charts

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The new Canon K-35 MACRO Zoom Lens

As the exclusive distributor of this fantastic MACRO Zoom lens, we would like nothing better than to sell you a pot full but . . . that could be a costly investment for you. The most reasonable way to truly appreciate this exciting new 5 x 25mm MACRO Zoom spherical lens system for 35mm cameras is by renting it from one of the several leading rental firms in the U.S. who now have it available.

The combination of the Canon K-35 lens, with its fixed focal length quality, and the J-4 "Joy Stick" Zoom control can now provide the cinematographer with the means for more creativity — IMAGINATION MAY BE THE ONLY LIMITING FACTOR!

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- Matched 2X extender and companion 18mm fixed focal length lens provide complete coverage — 18mm to 240mm.
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- Accepts standard 138mm filters.

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BILL WADE — Head of Camera, Universal Studios
"Our Canon MACRO Zooms are booked solidly. Jack Marda just used one on the world premiere of "Emergency," and now wants to use it on every picture he shoots."

BILL HOLM — Director Research Center, Motion Picture & TV Producers Association
"Canon designed the K-35 to meet the exacting specifications we established for a lens to be used in feature film making. Our tests reveal that they have exceeded specifications in all respects. It is a superb lens."

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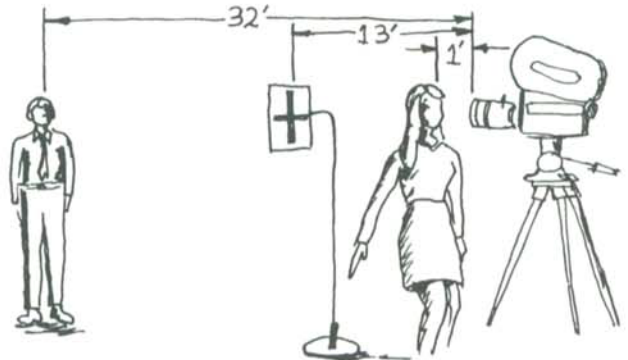
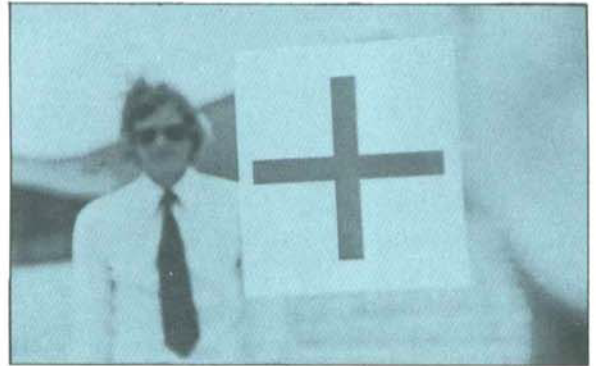
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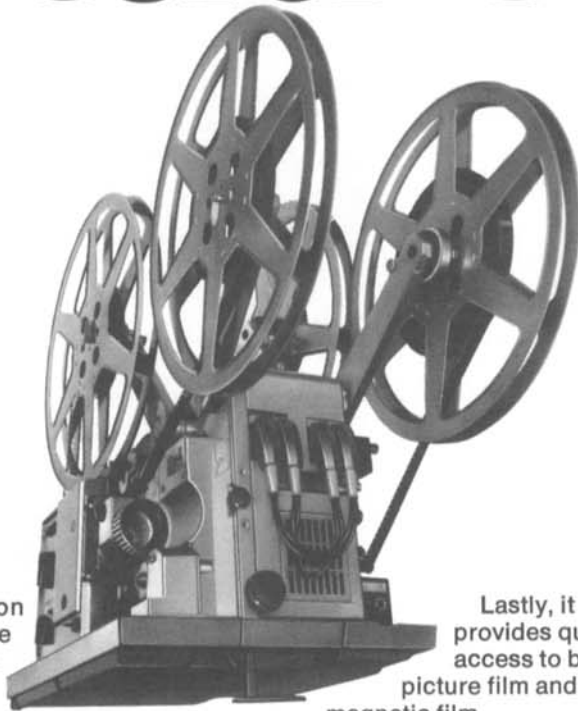


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listing courses in educational radio and television, motion pictures, programmed instruction, computer science, information storage and retrieval and others. Single copies of the *Directory* are available upon request from Educational Media Council, 1346 Connecticut Ave., N.W., Washington, DC 20036.

An Engineering Foundation Conference on the theme of Engineers Role in Today's Society will be held Aug. 13 - 18 at New England College, N.H. Conference Chairman will be Charles O. Harris, General Motors Institute, Flint, Mich. The purpose of the conference is to examine the issues which face engineering today and to seek a definition of the role of the engineer. Papers on significant issues will be presented, followed by discussions in depth. Information is available from Engineering Foundation, 345 E. 47 St., New York, NY 10017.

A Survey of Motion Picture, Still Photography and Graphic Arts Instruction (Kodak publication No. T-17), a 56-page summary of instruction available at American and Canadian colleges, universities, technical institutes and schools of photography, is available from Eastman Kodak Co., Dept. 454, 343 State St., Rochester, NY 14650, at a price of 50 cents. The material for the survey, collected in late 1970 and early 1971, was compiled by C. William Horrell, Dept. of Cinema and Photography, Southern Illinois University, at Carbondale. Dr. Horrell analyzed the responses for more than 2,500 schools in the United States and from more than 60 Canadian institutions. The results are tabulated in the first section of the *Survey*. The second section is a directory of institutions offering motion-picture, still photography and/or graphic arts instruction. Types of courses and number of semester credit hours are given for each school.

The first USA-Japan Computer Conference will be held Oct. 3 - 5 in Tokyo under the auspices of the American Federation of Information Processing Societies (AFIPS) and the Information Processing Society of Japan (IPSJ). Technical tours of major Japanese computer manufacturers and installations will be held as a post-conference activity through the week of October 8. Computers are used extensively in television broadcasting in Japan for automated studios and control facilities and for business information processing. Further information is available from USA-Japan Computer Conference, 20-10 Maple Ave., Fair Lawn, NJ 07410.

Noise/News, a new bimonthly newsletter, has been announced by Leo L. Beranek, President of the Institute of Noise Control Engineering (INCE). The newsletter is published by INCE in cooperation with the Acoustical Soc. of America. It will contain information on technical meetings, short courses, standards development, contract information and awards, government news, legislation, items from the *Federal Register*, and the like. The Editor is George C. Maling, Jr. Subscriptions are available from the Institute of Noise Con-

INTRODUCING THE BEAULIEU "NEWS 16" PROFESSIONAL SINGLE/DOUBLE SYSTEM 16MM SOUND CAMERA



The Beaulieu "NEWS 16" is an *absolutely* new and unique 16mm camera system specifically designed to meet the demanding filming requirements of documentary motion picture and television newsfilm cameramen.

The Beaulieu "NEWS 16" is a remarkably *silent* running camera. The cameraman has available six different and interchangeable synchronous sound options: single system (magnetic) module...to be used with the light weight and compact Beaulieu miniaturized amplifier; a 24 or 25 f.p.s. crystal-sync module; and three different synchro-pilot generator modules (50 cps, 60 cps, and 100 cps).

The Beaulieu "NEWS 16" camera is designed to be operated with one hand—leaving the other hand free to ward off crowds, or rioters, or to protect the cameraman himself in some other way. (Of course, the cameraman's free hand can also be used to follow focus while power zooming.) The low camera profile permits the cameraman to see directly across the entire camera body—again, providing an additional protection to the cameraman in difficult filming situations.



The "NEWS 16" camera weighs approximately 16 lbs. (together with interchangeable Angenieux "Auto" 12-120mm zoom lens and interchangeable crystal-sync module). The weight is distributed so that this compact camera is balanced comfortably on the cameraman's shoulder. The co-axial film chamber accepts 100' and 200' daylight-load film spools, with fully automatic (and extremely fast) *self-threading*.

The mirrored shutter always stops in the viewing position. The thru-the-lens viewfinder swivels 180° for front, rear and top viewing, with 22X magnification, etched TV frame, and choice of left or right eye viewfinders. A signal light inside the viewfinder warns the cameraman that only 15 feet of film is left. At the same time, the external camera on-light switches off automatically.

Some additional technical features include: built-in variable power zoom (3 to 25 seconds) and fully automatic exposure system (both with manual override); interchangeable variable speed motor (12-40 f.p.s.), and lens interchangeability (C-mount). Also available is an Angenieux "Auto" 9.5-57mm, f1.6 zoom lens.

Hundreds of thousands of feet of sound film were used to test the Beaulieu "NEWS 16" in all parts of the world—from the heated riot scenes in Belfast—to extensive and diversified filming situations across the continent of Europe—and even to Peking for test filming coverage during the recent Nixon visit.

Production model Beaulieu "NEWS 16" cameras have now been formally introduced at the SMPTE Show (May 1972) in New York City. This exciting new single/double system professional 16mm sound camera has already been demonstrated to many hundreds of professional cameramen. Before you decide to purchase any other camera system, write us today to arrange for your own personal demonstration of the Beaulieu "NEWS 16" camera.

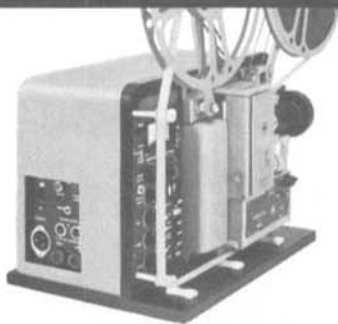
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Camera Measurements:
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trol Engineering, P.O. Box 1758, Poughkeepsie, NY 12601, at rates of \$9.00 a year for individuals and \$18.00 a year for libraries and institutions.

The American Film Institute, 1815 H St., N.W., Washington, DC 20006, will cooperate with the Connecticut Media Experts and Novices, a regional organization of media educators, in conducting the Summer Film Institute to be held Aug. 12-27 at Kent School in Kent, Conn. This is the third year the Institute has been held. Three areas of scholarship will be covered—an examination of film study techniques, an advanced course in film history and criticism and a filmmaking workshop. Well-known film critics and screenwriters will conduct a series of lectures and seminars and the afternoons will be devoted to the filmmaking workshop.

The American Film Institute Report: 1967-1971 contains listings of all grants and projects, financial data and a description of the Institute's work in each of its program areas through June 30, 1971. A sampling of the continuing programs undertaken during AFI's first four years includes a coordinated national film preservation program through which some 8,000 American motion pictures are now safeguarded in the public interest; training programs for teachers; grants to independent filmmakers; formation of The Community Film Workshop Council to provide training and jobs for new filmmakers from minority groups; and other important projects. AFI headquarters are at 1815 H St., N.W., Washington, DC 20006.

The American National Standards for Writing Abstracts (ANSI Z39.14-1971) has been published by American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018. The 12-page Standard defines an "abstract" as "an abbreviated, accurate representation of a document without added interpretation or criticism and without distinction as to who wrote the abstract." The Standard presents detailed guide lines for the preparation of good abstracts and gives examples of various types of abstracts.

A preliminary statement on metric conversion has been submitted to Congress by American National Standards Institute (ANSI), 1430 Broadway, New York, NY 10018, in response to a request from the Senate Commerce Committee. ANSI has initiated a survey of its membership to elicit opinions on House Joint Resolution 1092 as well as metrication in general. H.J. Res. 1092 proposes the establishment of a national policy for conversion to the metric system in the United States. The bill would authorize organization of a Metric Conversion Board to draw up a plan for national adoption of metric or "S.I. units." It advocates conversion to metric usage within ten years.

The American Library Assn., 50 E. Huron St., Chicago, IL 60611, and United States Testing Co. of Hoboken, N.J., have entered into an agreement for the evaluation and testing of three major categories

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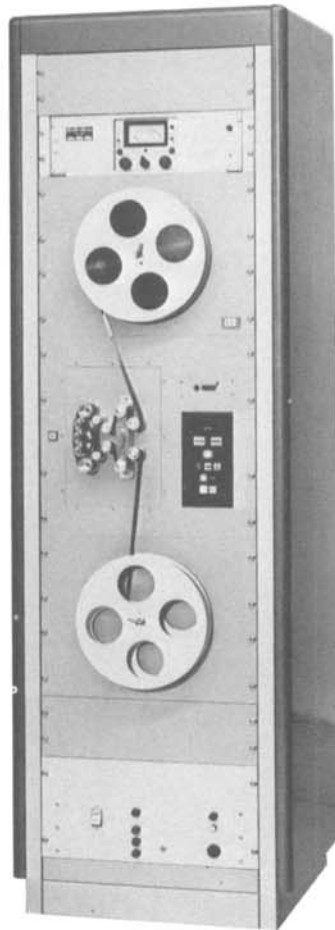
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of audio-visual equipment suitable for school, library and institutional use. The categories are: self-contained table unit record players in the \$100 to \$200 price range; heavy-duty cassette tape recorders; and sound filmstrip projectors designed for either wall projection or projection on a built-in screen with sound from either tape cassettes or disc recordings. The tests are the latest in a series by which the Library Technology Program of the American Library Assn. has evaluated filmstrip and combination filmstrip/slide projectors; 16mm motion-picture sound projectors; reel-to-reel tape recorders; cassette recorder/playback units; and record players.

VidExpo 72, the Second International Cartridge TV, Videocassette/Disc Conference, will be held Aug. 21 - 24 at the Hotel Roosevelt, New York. The conference is sponsored by The Billboard Group and *VidNews*. The conference will emphasize applications of existing video media systems. An exhibit of hardware systems and software programming and distribution systems will be held as part of the conference. Information is available from Stephen Traiman, Billboard Publications, Inc., 165 W. 46 St., New York, NY 10036.

The American National Standards Institute (ANSI), 1430 Broadway, New York, NY 10018, will establish a permanent European office in Geneva, Switzerland, by July 1. ANSI Deputy Managing Director G. F. Hohn, will head the European operation. ANSI represents the interests of the United States in international standardization work carried out by non-treaty, non-governmental organizations such as the International Organization for Standardization (ISO), the International Electrotechnical Commission (IEC) and the Pan American Standards Commission (COPANT). Mr. Hohn will work on a continuous basis with the Central Offices of ISO and IEC, with the major standard bodies of Europe, with the Common Market's central headquarters in Brussels and with agencies of the United Nations through the U.S. mission in Geneva which is responsible for all official UN contacts.

Impak, the new system for showing films on airplanes introduced by Inflight Motion Pictures, Inc., 485 Madison Ave., New York, NY 10022 (*Journal*, p. 126, February 1972) uses super-8 films in cassettes, making it possible to show films as short as three minutes and up to three hours. The Impak system can be used on both long-haul and medium-distance flights. Principal advantages are more efficient operation, compactness and lower maintenance and servicing costs. The super-8 film is used with a new compact, lightweight super-8 cassette designed specifically for aircraft use. It can be installed on all standard aircraft as well as the new wide-bodied jets. Special features include ease of handling with reduced installation and service time. It will be possible for a stewardess to select films in flight from a portable library of cassettes. After the film is completed, the Impak system rewinds itself at 12 times its normal speed, automatically shutting itself off.

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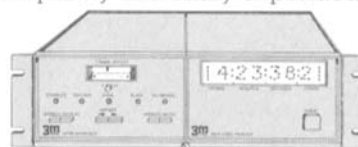


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3M combines Isoloop® differential drive with a unique packaging concept to produce the smallest, lightest 24, 16 and 8-track recorders you can buy. Standard features include: servo control; selectable 7-1/2, 15, 30 ips speeds; 5 to 45 ips variable speeds; 50-60 Hz. 110V or 220V input for easy adaptation to domestic or overseas applications; remote transport control; broad equalizer ranges; single electronics card per channel; separate equalization for synch; remote that can be integral or at console.

And they're updatable. Series 79 won't become obsolete. Space is provided for state-of-the-art noise reduction circuitry. *They're expandable, too.* 16 and 8-track models can be quickly and easily expanded to 24-track. *With an optional, rack-mounted synchronizer:* It synchronizes to quadruplex or slant-track VTR, sprocketed machine, or another audio tape recorder.

So if you've been looking for recorders that can grow, and not grow old, take a look at 3M's new Series 79. Send for our information package. Professional Audio Products, 300 South Lewis Road, Camarillo, Calif. 93010. Telephone (805) 482-1911.



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specify the Impak system, to be used on its long-haul routes across the Pacific. Impak will also be installed in Inflight on 14 DC-10s to be delivered to Northwest Airlines beginning in 1973.

An exploratory project in cable programming, conducted by Modern Video Programing, a division of Modern Talking Picture Service, Inc., 1212 Ave. of the Americas, New York, NY 10036, and Micro-Cable Communications Corp. in Wayne, N.J., was begun on April 3 to continue for 10 weeks. With films supplied by Modern, Micro-Cable will carry two and a half hours, or more, of programming Monday through Friday. Representatives of the two companies met with educators from the Wayne area so that the programming could be correlated to the subjects being covered in the classrooms. In addition to programming 16mm motion pictures from educational film companies in the areas of science, literature, mathematics, art and social studies, a number of sports and travel films and social documentaries will be scheduled.

American manufacturers of audio-visual equipments were represented by Scan-Rate Inc., P.O. Box 565, Paramus, NJ 07652, at the U.S. Trade Fair held in Tel Aviv, Israel, in March. Among the manufacturers and products represented at the Trade Show are Systems Resources Corp. (digital to video); Telestrator Industries (animated video graphics); Singer Co.

(television equipment for closed-circuit TV); Omega Corp. (professional audio equipment); International Microwave Corp. (microwave equipment); Scherr Tumico (measuring tools); Wollensak Inc. (zoom lenses); Davis & Sanford (tripods and hardware for TV equipment); and Bob Kelly Cosmetics (theatrical and TV cosmetics).

Modern Talking Picture Service, Inc., 4 Nevada Dr., Lake Success, NY 11040, now offers TV cassette services through its Modern Video Centers. The firm will concentrate on post-production services, including cassette sale and rental, trafficking and inventory management. The services are planned mainly for companies using cassette TV for internal communications. Sony duplication equipment will be installed at the Lake Success office.

Shotec, Inc., formed in 1970 at Clear Lake Oaks, Calif., has relocated to new corporate headquarters at 1717 Junction Ave., San Jose, CA 95112. Since its establishment, the firm has introduced the portable Sholite, a rechargeable fluorescent lantern operating from D-cell batteries, a standby emergency fluorescent lighting system, a radio volume booster and the Shopak, a multivoltage portable rechargeable battery power supply for lighting and photography.

Telema, Inc., has established a new 16mm color film laboratory at 45 W. 45

St., New York, NY 10036. Services include complete printing from color negative and positive films including A&B rolls. Normal and forced processing of all Ektachrome films is available. Also offered is the Du Pont Latensification system in the making of Ektachrome masters which are virtually indistinguishable in contrast from the original material.

The Sony Color Videocassette Duplicating Center, said to be the first in the Western United States, has been established by Gordon's Television Systems Inc. at Consolidated Film Industries, 959 Seward St., Hollywood, CA 90038. The duplicator can convert software to the Sony videocassette format, including 35, 16 and 8mm and super-8 film and all sizes of videotape, including 2-in broadcast tape.

The Creative Establishment has moved to larger quarters in the Ad Age building at 740 N. Rush St., Chicago, IL 60611. The firm is expanding its planning and writing services into full-scale production of films, filmstrips, business meetings and training activities. Among its current projects is a three-year series of teacher in-service training programs produced for IDEA, an affiliate of the Charles F. Kettering Foundation. It involves schools in more than 26 states.

Traffic capacity of satellite communications systems may be doubled as the result of a development to be investigated

The world's most sophisticated re-recording console



This 36 channel dubbing console, purpose built for Elstree Studios, incorporates facilities which make it the most flexible unit of its kind in the film industry. 8 of the channels can be used as sub groups, and full facilities for 4 echo channels including equalisation and delay mix are included.

Besides comprehensive equalisation on every channel, a variety of switchable filters is provided, together with 8 limiter compressors. The usual remote control facilities are fitted and microphone amplifiers enable the console to be used for 8-track music recording.

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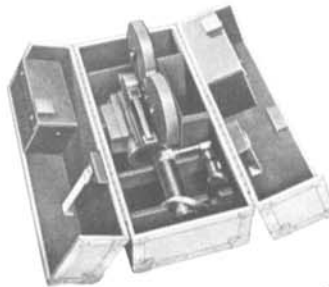
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Our standard 16mm TV newsfilm camera features the "Frezzi-Cordless"™ internal power system. Used by all major TV newsfilm operations. The camera is rugged, completely portable and operates everywhere from its internal power system or external 120 volt AC line or external DC battery. Sync operation with integral crystal-controlled module. Shoots single or double system sound with ease.

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by Marconi Communication Systems Ltd. on behalf of the British Post Office. The key to this development will be an "add-on" circuit to improve the mode of operation of the traveling wave tube amplifiers used in satellites and also in their associated ground terminals. Marconi will investigate ways of improving the linearity of these high-power amplifiers in order to increase the effective power rating of the communications transmitters. It is anticipated that the addition of a single unit to an existing transmitter will double its effective power rating and, therefore, its traffic carrying capacity. At the end of a six-month study the Marconi development team will propose the best solution to this

problem with an outline definition of the hardware involved.

Electromation, a method of producing nontheatrical motion pictures without using motion-picture equipment has been devised by Leonard Reiffel at Instructional Dynamics Inc., 166 East Superior St., Chicago, IL 60611. Pictures are taken with a 35mm still camera used to record sequences of still pictures somewhat in the manner of a filmstrip or slide show. The only necessary equipment is a handheld still camera and portable strobe lights. The still pictures are then brought to the Industrial Dynamics Laboratory where the slides are exposed, one by one, to a fixed

motion-picture camera while, at the same time, presenting complementary information through electronic displays controlled by the operator. An artist can thereby add moving lines, objects and forms to the background pictures. The electronic graphics are superimposed on the master motion-picture negative created in the laboratory in much the same fashion as subtitles are added to a foreign language film. The resulting motion-picture print produced from the composite negative consists of color backgrounds to which has been added moving information.

A new optical fiber consisting of a hollow fused-quartz capillary tube filled with tetrachloroethylene has been developed at Bell Telephone Laboratories. Core diameter of the fiber is about 65 μm and the fiber's quartz wall is about 15 μm thick. Loss characteristics of the fiber are 20 dB/km or less between wavelengths of 0.84 and 0.86 μm and between 0.98 and 1.10 μm . The light-carrying fibers are expected to be useful in long-distance optical transmission systems.

A small research model of a black-and-white camera employing a solid-state "eye" that could make possible future TV cameras as small as a wristwatch has been developed at RCA Laboratories in Princeton, N.J. The camera's imaging sensor is a silicon integrated circuit instead of the vacuum tubes of conventional TV systems. The research model measures $2 \times 2\frac{1}{4} \times 3\frac{3}{4}$ in and weighs less than 1 lb. The camera's integrated circuit "eye" consists of 32 rows of photosensitive elements with 44 elements in each row. When an image strikes the array, an electrical charge proportional to the light intensity is produced in each element. The rows are then read out very rapidly in sequence to produce a black-and-white TV-type picture.

Christopher H. Sterling, Assistant Professor of Communications at Temple University, Philadelphia, PA 19122, is the new Editor of the *Journal of Broadcasting*. He succeeds John M. Kittross, Professor of Communications, who has been appointed Assistant Dean of the University's School of Communications and Theater. Dr. Kittross was graduated from Antioch College with a Bachelor or Arts degree. He then attended Boston University where he earned a Master of Science degree and he was granted the Ph.D. degree in Communications at the University of Illinois. He joined the Temple faculty in 1968 after nine years at the University of southern California. Dr. Sterling joined the Temple faculty in 1970 after a year of teaching at the University of Utah. He is a co-author with Dr. Kittross of a short history of American broadcasting scheduled for publication early in 1973.

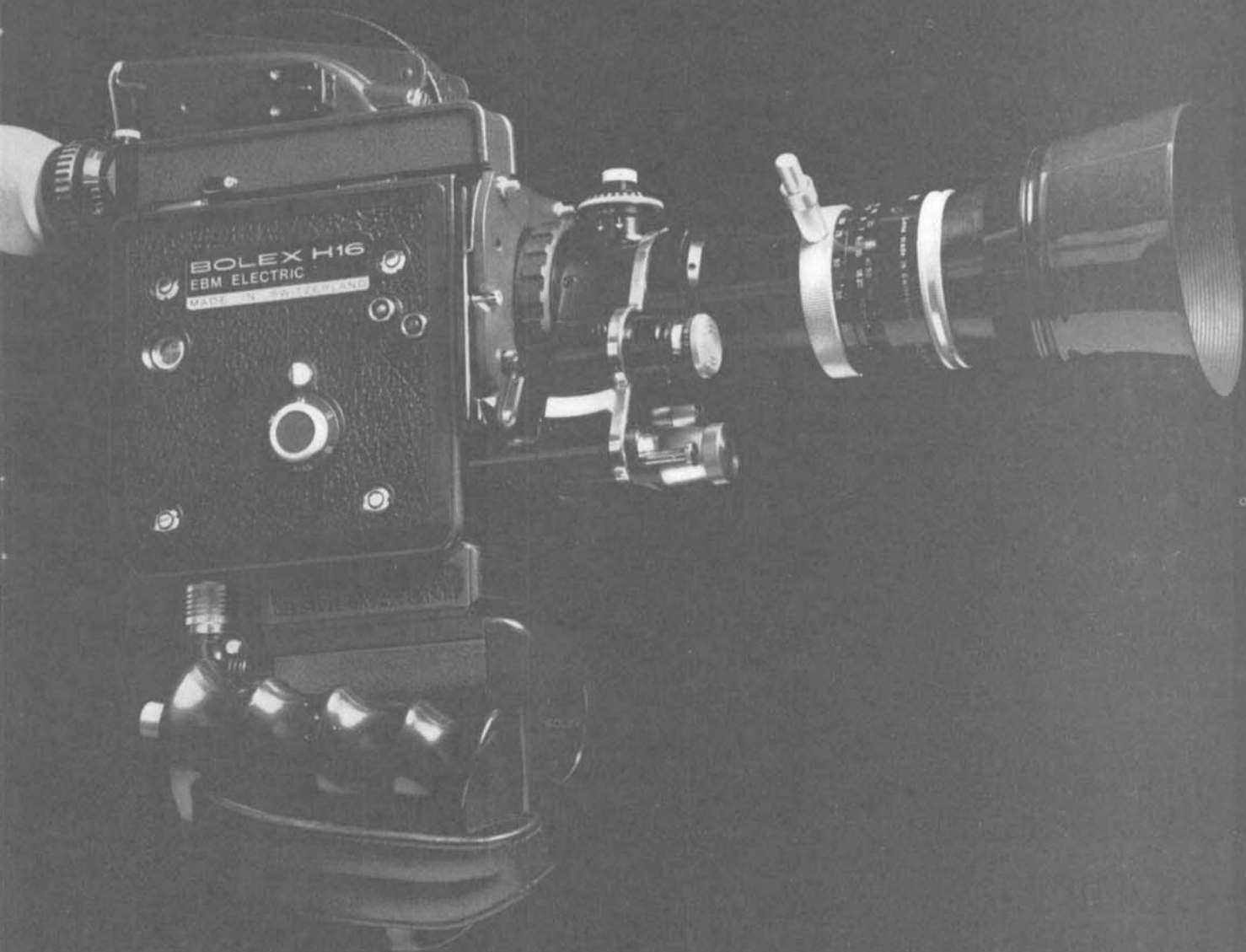
Peter C. Goldmark is the recipient of the first Macbeth Award presented by the Inter-Society Color Council. The award was established in honor of Norman Macbeth (1873-1936) and of his pioneering contributions to the art and science of color and illumination. The award will be presented biennially in recognition of re-

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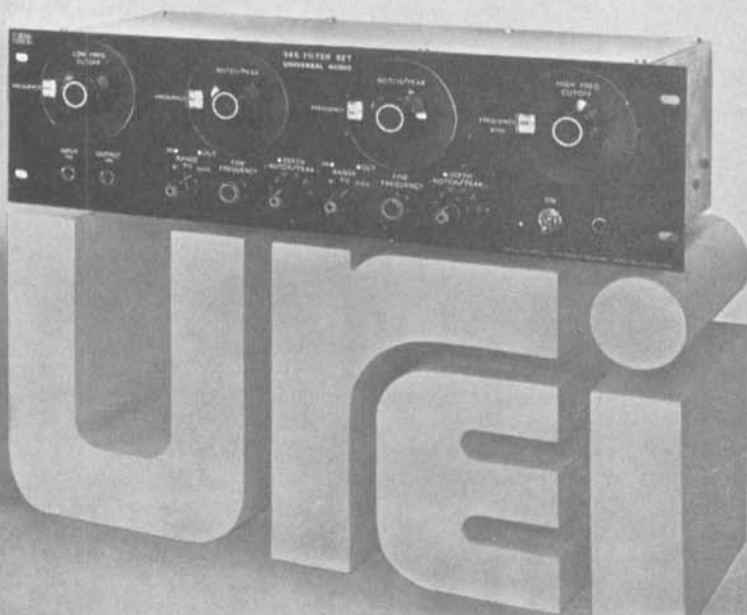
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cent important contributions in the field of color. Dr. Goldmark, formerly President and Director of Research of CBS Laboratories, is well-known for his inventions in the fields of acoustics, television, phonograph recording and film recording. Among his best-known inventions are the long-playing record and the first practical system for color television.

Peter C. Goldmark, President and Director of Research of Goldmark Communications Corp., has been elected to the Board of Directors of the Academy for Educational Development, it was announced by Academy President Alvin C. Eurich. Dr. Goldmark retired as President and Director of Research of CBS Laboratories on Dec. 31, 1971. He established Goldmark Communications Corp. (GCC) to develop technology and systems for cable television, new applications for domestic communications satellites, electronic publishing and other innovative techniques. He is currently directing a pilot study to explore how communications techniques can be used to improve the economy and quality of smalltown life in a rural setting. The study is being conducted under a grant to Fairfield University by the Department of Housing and Urban Development.

Ben Olevsky, Chief Projectionist at Radio City Music Hall for the last 15 years and a member of the theater's staff since 1944, has retired, it was announced by James F. Gould, President and Managing Director of the theater. His successor is William G. Nafash, his associate for 14 years.

E. P. Genock retired April 1 as Director of Broadcast Advertising for Eastman Kodak Co. He is succeeded by Roger K. Morrison. Mr. Genock began his professional life as a sound-recording engineer for Paramount News in 1928. He went on to become a cameraman and war correspondent in Europe and the Middle East through the mid-forties. Later he participated in research leading to the first theater-television film system for Paramount theaters. In 1952 he was named Editor-in-Chief of Tele-News, a film news agency serving major television networks. He joined Eastman Kodak in 1954 as Manager of Television Programming.

Ernest D. Rose, Professor of Communications at Temple University, Philadelphia, PA 19122, has been awarded a Fulbright-Hays lectureship to the Film and Television Dept. of the Akademie für Musik und Darstellende Kunst in Vienna, Austria, for the 1972-1973 academic year. Before going to Vienna, Dr. Rose will present a major paper on the diversity of film-training methods in America at the 16th annual International Congress of Film and Television Schools to be held Aug. 1-5 in Moscow. He has been at Temple University since 1968. He had previously headed film and television production for the University of California Extension Media Center for five years. He had also been Film Director of the Institute for Communications Research and Research Archivist of the German War newsreel collection of Stanford University.

Bob Bagley says -

“During the filming of ‘On Any Sunday’ with Bruce Brown, I used our Photo-Sonics 1PD camera in temperatures ranging from below zero to over 100°. From 24 to 400 fps, the camera functioned perfectly day after day in sun, rain, snow and dust. This camera is as

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Robert Edmonds, Chairman of the Motion Picture Dept. of Columbia College, 540 N. Lake Shore Dr., Chicago, IL 60611, has been selected to serve as the Midwest representative for the First International Animation Film Festival to be held in Zagreb, Yugoslavia, in June. In this capacity, Mr. Edmonds will screen all entries from filmmakers in the Midwest.

Vernon B. Bushway, Jr., has been appointed Chief Engineer for Magnasync/Moviola Corp. in North Hollywood. Mr. Bushway was formerly with CBS, RCA's Commercial Electronics Systems Div. and Winston Research Div. of Fairchild Camera and Instrument Corp. In his new post he will oversee the engineering of motion-picture and TV studio editing equipment and government and municipalities logging recorders.

Harold P. Bolton has been appointed Assistant Vice-President and General Manager of the Technicolor Texas Operations at the Manned Spacecraft Center in Houston, it was announced by Richard M. Blanco, President of Technicolor Graphic Services, Inc. Mr. Bolton was formerly De-

puty Project Manager at Technicolor's Cape Kennedy installation and more recently he was Project Manager of the Technicolor facility at the Manned Spacecraft Center.

Rupert F. Goodspeed has been appointed National Manager of the new Fernseh division of the Robert Bosch Corp. He will direct marketing operations for the Fernseh line of professional television equipment made in Darmstadt, Germany, including the 3-tube KCU-40 TV camera system. Other products to be marketed by the U.S. Fernseh division will include telecine cameras, standards converters, special-effects equipment and video recording systems.

Lee Shrou has been appointed President of Producers Service Corp., 1200 Grand Central Ave., Glendale, CA 91201. He was formerly Director of Marketing for Ultronic Systems Corp. in Mount Laurel, N.J. Producers Service Corp. designs and manufactures special-effects optical film printing equipment and mechanical film drive and control systems. The firm is a subsidiary of Boothe Computer Corp. in San Francisco.

books reviewed



some experimental considerations. The strong point of this book is its coverage of the experimental aspects of holography; an area which has been neglected in the holography literature. Chapter 8 on applications is mainly concerned with interferometry and a brief discussion on imaging systems and data storage. The text could use a larger bibliography to guide the uninformed reader through the maze of holography publications. The preface states that this book is for the man in the laboratory. With this intended reader in mind, the book achieves the objective of providing an elementary introduction to holography.—*John N. Latta*, Radar and Optics Div., Institute of Science and Technology, Univ. of Michigan, Ann Arbor, MI 48107.

Holography: Technique and Practice

By Matt Lehmann. Published (1970) by Focal Press Ltd., 31 Fitzroy Sq., London, W.1, England. 148 pp. Illus. Diagrams. 7 by 9½ in. Price \$18.00.

This book is basically a digest of experimental methods. The material is largely intended for either the first-time holographer or his laboratory technician. Text is broken into nine chapters which cover (1) Introduction and History, (2) Basic Principles of Optics, (3) Principles of Holography, (4) The Practice of Holography, (5) Holographic Systems, (6) Devices and Instruments, (7) Special Techniques, (8) Applications, and (9) The Future of Holography. The overall tone of the text is one of considerable optimism about the future of holography. In certain sections (see Chapters 1 and 9), the writing becomes glamorized and popularized. Chapter 2 is a basic introduction to optics and seems out of place because this material is covered in many other texts. The principles and practice of holography in Chapters 3, 4 and 6 give a good basic outline of holography and

Colour Television Theory: PAL- System Principles and Receiver Circuitry

By Geoffrey H. Hutson. Published (1971) by McGraw-Hill Publishing Co., Ltd., Shoppenhangers Rd., Maidenhead, Berkshire, England. 326 pp. + Preface, Table of Contents. Diagrams. 7 by 10 in. Price £3.85 (\$8.28).

Although this book deals primarily with the theory and application of the PAL color television system, much of the material is equally applicable to the NTSC system, which as Mr. Hutson notes in the preface, is the generic basis for all other color television systems currently in use.

There is a strong emphasis on PAL receiver technology, with extremely detailed explanations, and circuit diagrams, of typical color demodulator and signal processing circuits. The chapters dealing with receiver display devices and their associated circuitry covers the basic principles of the shadow mask display tube, with details of typical associated circuitry. Operating principles of the Chromotron