

City, after 25 years of service. He now resides in Dennis, Cape Cod. His duties are being assumed by Larry Nelson, Vice-President in charge of United States Television Sales, and by Michael Connell, Manager of International Sales.

William Linsman has been appointed General Manager of the Film Division of Swartwout Productions, 6736 East Avalon Dr., P.O. BOX 476 Scottsdale, AZ 85252. He was formerly Producer, Special Products for KTAR-TV, the NBC affiliate in Phoenix. In his new post his responsibilities will include management of the Film Division as well as sales and production of TV and radio commercials, sponsored films, videotape productions and all types of audio-visual presentations.

Bernard O'Dougherty has been appointed Service Manager for Mobius Cine Ltd., 565 Fifth Ave., New York, NY 10017. As a factory-trained Eclair technician, he will enable Mobius to add in-house servicing for ACL, NPR and CM-3 cameras to the servicing of other professional equipment already provided. Mobius also acts as the sole east coast representative for the Wilcam W2+4 reflex camera and also markets other professional motion-picture equipment.

James K. Johnson has been appointed to the newly created position of Field Sales Engineer

for Photographic Sciences Corp., 23 West Main St., Webster, NY 14580. He was formerly the Midwest Sales Engineer for Macbeth Div. of Kollmorgen Corp. In his new post he will be responsible for the sales and service of all PSC products for the 25 central states.

Fred W. Huffman has been appointed Manager, Control Equipment Product Management and **Floyd R. McNicol** has been appointed Manager, Control Equipment Engineering for RCA Broadcast System's Control Equipment Engineering and Product Management Group, Camden, N.J., it was announced by Henry H. Klerx, Group Manager. Formed early in 1974, the group is involved in expanding RCA Corp.'s line of TV control equipment and in providing design and development direction for future automated devices and systems for the TV broadcasting industry. Mr. Huffman has been with RCA Corp. since 1965 and Mr. McNicol since 1957.

Francis J. Engel, Jr., has been appointed Vice-President and **Harold P. Bolton** Senior Vice-President for Technicolor Graphic Services, Inc., it was announced by Richard M. Blanco, President. The firm, with headquarters at 1001 North Cahuenga Blvd., Hollywood, CA 90038, provides photographic and related services at government installations throughout the United

States. Both men were project managers at the TGS Texas Operations at the Lyndon B. Johnson Space Center at Houston, Tex.

Leonard F. Coleman has been appointed Regional Sales Manager, Midwestern Region, in Eastman Kodak Co.'s Marketing Div.'s Motion Picture and Audiovisual Markets Div. of the U.S. and Canadian Photographic Div. **John M. McDonough** has been appointed Regional Sales Manager, Southwestern Region in the same division. Mr. Coleman has been with Eastman Kodak since 1948. Mr. McDonough joined Kodak in 1954.

Wayne J. Lee has been appointed Director of Manufacturing for Consolidated Video Systems, 300 Edward Ave., Santa Clara, CA 95050. He was formerly with International Video Corp. in Sunnyvale, Calif., where he was Manager, Manufacturing & Material. In his new post he will be responsible for all manufacturing functions within the corporation.

Hellmut Berger has been appointed Director of Engineering for Baton Broadcasting Inc., Box 9, Toronto M4A 2M9, Ont., Can. He was formerly Director of Engineering for CFTO-TV Ltd., a post he had held since 1962. **G. E. Malcolm**, Assistant Director of Engineering for CFTO-TV since 1972 succeeds Mr. Berger as Director of Engineering.



Munsell Color: Taming the Spectrum, a brochure, illustrated in color, giving a detailed explanation of the Munsell system of color notation is available from the Macbeth Color & Photometry Div. of Kollmorgen Corp., 2441 N. Calvert St., Baltimore, MD 21218. The brochure also contains an illustrated data sheet on the Macbeth SpectraLight® Color Matching System designed to provide unchanging quality of light day or night under any conditions. Illuminated pushbutton controls reduce the chance of error in lighting selection. The brochure describes various Munsell color products including the Basic Collection consisting of books of color and color files. Other available products include disc colorimetry, Munsell educational materials and color vision tests. The brochure also contains a brief history of the development of Munsell Color Standards, noting that the present Munsell color standards consist of opaque pigmented films on cast-coated paper for more than 1,500 Munsell notations.

Liquid Crystal Bibliography (Kodak publication no. JJ-193), a 3,281-reference bibliography on microfilm, is available from Eastman Kodak Co., Customer Services, International Photographic Div., Rochester, NY 14650, at a price of \$25. In printed form the bibliography would con-

tain more than 2,500 pages; however, since the data bank for the bibliography is computerized, it was run through a computer output microfilmer and the publication produced on 26 microfilm cards measuring 4 by 6 in. The references were gleaned from journal articles, theses, patents, reviews, government reports, conference abstracts, books and other source data from September 1888 to May 1973. The bibliography comes in a vinyl-plastic microfiche "book" and includes instructions for using the microfilm format. Author and subject indexes are included together with a numerical sequence file and reference-frequency file.

Photographic Instrumentation Methods and Techniques for Rocket Sled and Track Testing Research and Development Projects by Louis H. Cohen is a 360-page thesis submitted as one of the requirements for the degree of Master of Arts in Cinema from the University of Southern California. The thesis contains a detailed discussion of the problems involved in obtaining photographic instrumentation data, missile testing and related activities. Problems encountered in obtaining photographic instrumentation data during the testing of aircraft components, missiles and related equipment through the use of high-speed track and rocket test sleds and motion-picture photographic techniques are described. A survey of techniques used by scientific and technical photographers in obtaining photographic instrumentation data is presented. Also presented are the results of a study of the effectiveness of photographic instrumentation in determining the capability and reliability of aircraft, missiles and related components.

The study, financed in part by the Air Force Flight Test Center, Edwards Air Force Base, Calif., Air Force Systems Command, U.S. Air Force, has been published as Technology Document No. 73-3, U.S. Air Force. The publication contains a glossary and a fairly extensive bibliography.

The Video Handbook, 2d edition, is available from United Business Publications, Inc., at a price of \$11.25. Dealing with nonbroadcast television, the new *Handbook*, revised and updated, contains 192 pages and numerous illustrations. The *Handbook* is intended to help those entering the field to avoid costly mistakes in setting up their facilities and to offer practical guidance for those already in video operations. It is divided into six sections — Facilities and Equipment; Pre-Production; Production; Post-Production; Distribution and Presentation; and Reference Materials. A Glossary and a list of video equipment sources are included.

Photographic Exposure Guide (ANSI Standard PH2.7-1073, revised from PH2.7-1966) published in a 64-page booklet measuring 4 by 7 in. is available from American National Standards Institute, 1430 Broadway, New York, NY 10018, at a price of \$3.00. The guide gives information about natural lighting under various conditions, as well as tables of values and simple charts that indicate the correct exposures for daylight or moonlight photography in color or black-and-white. Also described are a means of predetermining correct exposures at given times and places within predictable limits and a method of applying ASA speed for computing camera

settings when it is not feasible to measure the light.

The information in the new *Guide* has been arranged in the order in which it is used for computations; also, the Special Applications section has been expanded to cover indoor photography by spotlight and floodlight, photography of television screens and underwater photography. Included also are data to assist in the photography of clouds, artificial satellites, rainbows, solar or lunar eclipses, sunsets, the aurora borealis and many other subjects.

The American National Standards Institute (ANSI) is the clearinghouse and coordinating agency for voluntary standardization in the United States.

Screen World (Vol. 24, 1973) by John Willis is available from Crown Publishers, Inc., 419 Park Ave. South, New York, NY 10016, at a price of \$8.95. The book contains more than 1000 photographs from practically every domestic and foreign motion picture shown in the United States and presents a statistical record of the 1972 motion-picture season. The book is dedicated to Bette Davis "in admiration of her indomitable spirit . . ." The book's contents include Top Box Office Stars of 1972; Domestic Films Released in the United States from 1 Jan. 1972 through 31 Dec. 1972; Promising New Actors of 1972; Academy Awards of 1971 Presented 10 April 1972; Academy Award Winners From Other Years; Foreign Films Released in

the United States from 1 January through 31 December 1972; Biographical Data of Film Actors; and Obituaries. There is also an 8000-entry Index.

Graphical Ray Tracing: An Advanced Text (44 pp., 38 diagrams, paperbound), is available from Chan Street, Street Laboratory and Industries, 139 Nevada St., El Segundo, CA 90245, at a price of \$7.50. The book is intended to extend the technique of graphical ray tracing to the point where it becomes a useful tool in the preliminary design of complete optical systems consisting of lenses, both aspheric and spherical, prisms, and mirrors in any general configuration. The author notes that there have been several texts written on methods of graphical ray tracing of optical systems. The book expands on the technique set forth by J. W. Dowell in 1926 which proved to be extremely flexible. The methods described in *Graphical Ray Tracing* may provide sufficient accuracy to design completely condenser type optics and are useful as preliminary design procedures preceding the computer analysis of more sophisticated systems.

The Alpha Viewfinder, published quarterly by Alpha Cine Laboratory, 1001 Lenora St. Seattle, WA 98121, contains (in four pages) notices of new equipment, techniques and methods and suggestions for filmmakers. For example in Vol. V, No. 3, August 1973, under the title "It Has To Stick Together," a four-paragraph article, it was noted, "The most brilliant film in the history of cinema may never be seen if the splices in the original tend to fall apart," and advises, "You need a good splicer. Follow the instructions . . ."

Kodak Darkroom Dataguide (R-20), 5th ed., revised and updated, is available from Eastman Kodak Co., IPD Customer Services, 343 State St., Rochester, NY 14650, at a price of \$6.20. The book includes data to aid the photographer in the proper exposing, processing and printing of black-and-white films and papers. Changes in the new edition include expanded information on Kodak selective-contrast papers and processing procedures for Kodak resin-coated papers.

The Statistical Abstract of the United States 1973 (94th Ed.) contains 1034 pages and 1350 tables plus a section showing statistics for Federal Administrative Regions and States. Data for the motion-picture industry are on pages 753 and 755 (Tables 1259 and 1262). Figures are given for the first quarter of 1973 which show a slight increase in receipts over the first quarter of 1972. Data given for television include advertising expenditures, educational stations and cable TV systems and subscribers. There are 18 entries under Television in the Index. The *Statistical Abstract* is available from the Superintendent of Documents, Government Printing Office, Washington, DC 20402, at a price of \$9.60 clothbound or \$6.30 paperbound.

The 1974 Amphoto Catalog listing more than 700 titles of books on photography, cinematography and TV techniques is available from Amphoto, East Gate & Zeckendorf Blvds., Garden City, NY 11530. The catalog is divided into two sec-

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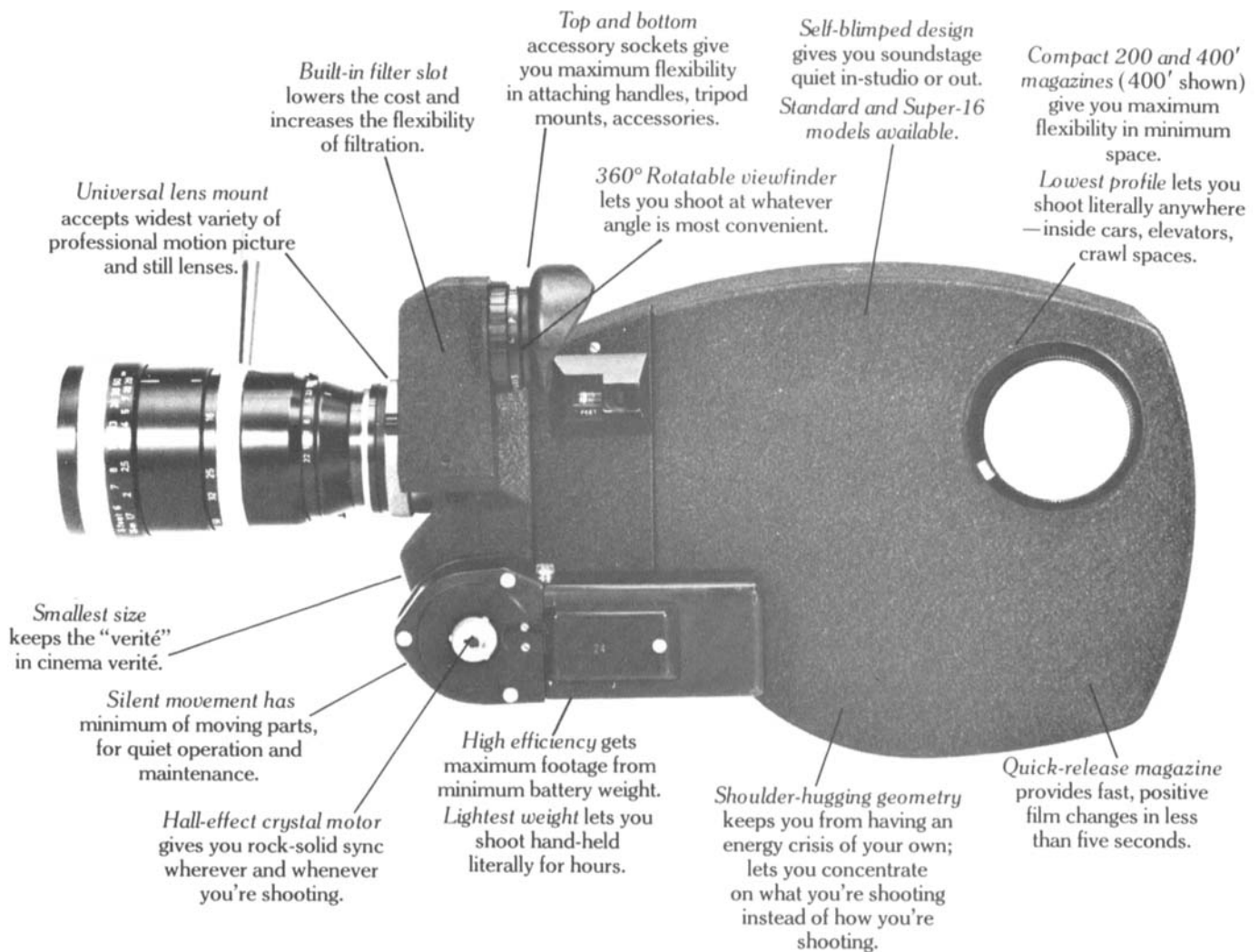
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tions. One section lists all the new and revised titles for 1974 with detailed descriptions; the other section lists all the books presently available from Amphoto. Amphoto handles books from a number of publishers including Focal Press, Focal Library, Eastman Kodak and others. Cloth-bound and paperbound books are listed as well as manuals, handbooks and looseleaf volumes.

A new edition of **Elementary Principles and Terminology of Sensitometry** is available from Agfa-Gevaert, 275 North St., Teterboro, NJ 07608. The 24-page booklet provides a concise definition of the more usual sensitometric terms together with a brief description of the essential

properties of photographic emulsions. It contains illustrations and diagrams.

The UK Video Index 74, published by the Centre for Advanced TV Studies, 15 Prince of Wales Crescent, London NW1 8HA, England, has been announced by the Director, John Hopkins. The publication date will be in July. The *Index* listing video users is compiled from the results of an extensive questionnaire. *The Video Index* is a research project grant aided by the Arts Council of Great Britain and published with "the help and goodwill of independent video users for mutual benefit," the announcement stated. The research is being conducted in conjunction

with the British Film Institute's Film and Video Survey.

The ISA Publications and Educational Aids Catalog is available upon request from the Instrument Soc. of America, 400 Stanwix St., Pittsburgh, PA 15222. The catalog lists some 235 current publications and educational aids on instrumentation, measurement and automatic control. Information on prices and ordering is given for reference books and proceedings of ISA-sponsored or co-sponsored conferences and symposia, videotape training programs, audio cassettes, films, study guides, standards and recommended practices, and periodicals.


Medical Photography: Clinical, Ultraviolet, Infrared by H. Lou Gibson (Kodak Publications No. N-18) is available from Eastman Kodak Co., 343 State St., Rochester, NY 14650, at a price of \$14.95. The book presents a generous selection of the kinds of photography carried out in various clinical surroundings. The book also contains material suitable for use in planning and conducting training programs for medical photography assistants.

The Super8 Sound™ recorder is described in a 16-page illustrated booklet available from Super8 Sound, 77 Huron Ave., Cambridge, MA 02038. The machine records on super-8 fully coated magnetic film. The booklet provides technical specifications, explains the advantages of super-8 fullcoat and describes 16mm filmmaking with the super-8 sound recorder. Also available is the firm's 1973 illustrated catalog describing super-8 sound cameras, recorders and accessories. An Addendum to the catalog is available. The Super8 Sound Silencer, a leather barney lined with a sheet of lead surrounded by acoustic foam is described in an illustrated leaflet.

The Full-Line Light Measurement Catalog (SF73A) describing instruments for measuring radiation in the ultraviolet, visible and infrared portions of the spectrum is available from Gamma Scientific, 3777 Ruffin Rd., San Diego, CA 92123. The catalog is illustrated and contains descriptions of photometric, spectroradiometric and radiometric; calibrated light sources; and such items as receptors, spectral selectors, detectors, and signal conditioners. The company's products are designed as modules so that the user can construct a number of systems without calibration being required.

The Originator, an eight-page monthly newsletter for the cable television industry is a new publication announced by Broadband Communications Networks, Inc., P.O. Box 416, Malvern, PA 19355. It is available at a subscription rate of \$20 a year (\$12 for students). The new newsletter probes behind the scenes of local origination to give the reader a firsthand view of current developments in programming and technical innovations for CATV in the United States and Canada. Vol. 1., No. 1 of the newsletter discusses how a cable company and community groups — educational, civic and religious — got together to solve some of the problems of local originations.

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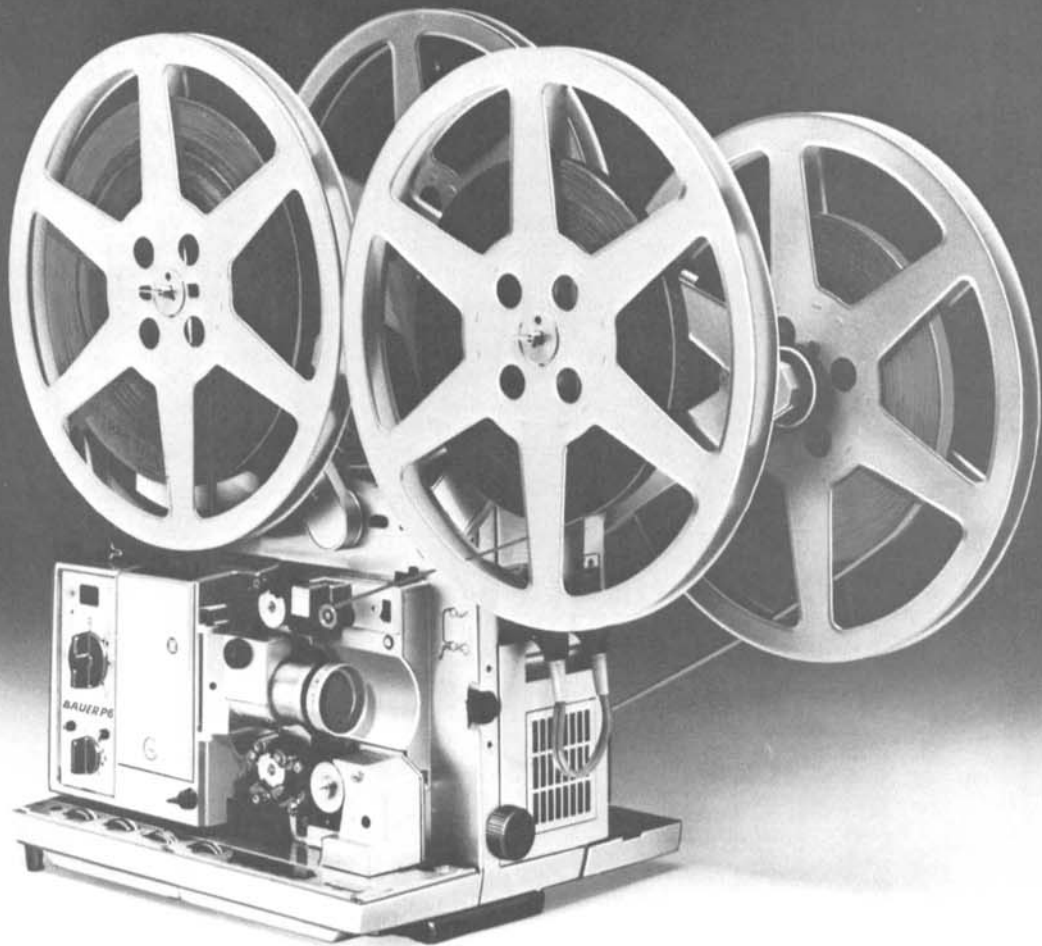
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A Mini-Catalog presenting brief descriptions and illustrations of photooptical instrumentation systems and components is available from Instrumentation Marketing Corp., 820 South Mariposa St., Burbank, CA 91506. The catalog covers such items as 16mm and 35mm cameras and lenses, add-on automatic exposure controls, timing generators, LED data recorders, video and film data reduction equipment, eye movement recorders, photologging systems, and accessories.

Three CCTV camera product bulletins describing (1) a high-performance camera, (2) a low-light-level camera, and (3) a daylight to dark camera are available from Moxon Inc./CTS Div., 2222 Michelson Dr., Irvine, CA 92664. The bulletins include illustrations, product features, general descriptions and also lens options and camera accessories.

TVID (Bulletin No. 1410-5) describing the video disc recording technology of the television identification system (TVID) is available from Ampex Corp., MS 11-12, 401 Broadway, Redwood City, CA 94063. The TVID system has been designed for personnel security applications. Pictures of personnel are taken, one at a time, with a TV camera. Each picture is assigned an individual number or address and recorded on a video disc recorder. When a specific picture is desired, the number is entered on a keyboard. The picture responds to the command by immediately appearing on the screen.

Reliance Audio Visual Corp., 619 W. 54 St., New York, NY 10019, has announced publication of a new catalog which is available upon request. Among items listed are 16mm and 8mm projectors, slide and filmstrip projectors, videotape recorders, sound systems, microphones and other audio-visual equipment.

The CVI Model 260 Video Compressor As a Television-to-Computer Interface is an 8-page illustrated Application Note available from Colorado Video Inc., Box 928, Boulder, CO 80302. The brochure provides a detailed description of a means of interfacing television cameras to computers for image processing.

Videoscope, a new magazine dealing with the mechanics, techniques and esthetics of videotape production, has been announced by Gordon and Breach Science Publishers, 1 Park Ave., New York, NY 10016. Typical articles in the magazine will be "Cable vs the Airways"; "The Future of Television"; and "Tape vs Film for TV Newsgathering." Subscription rates are \$9.50 for personal (individual) subscriptions and \$19.50 for libraries, institutions and companies.

A number of Sony products, including cameras, the Trinitron color monitor receiver for use with videotape recorders and closed-circuit systems, videocassette recorders and player, including the U-Matic color videocassette, special effects generators and television program production

consoles, are described in leaflets illustrated in color available from Sony Corp. of America, 47-47 Van Dam St., Long Island City, NY 11101. One of the recent products described in the leaflets is Model CVM-950 monitor/receiver which displays monochrome pictures with sound. Applications include videotape, videocassette, closed-circuit TV, surveillance systems and camera and line monitoring.

Switchcraft Dictionary of Switching and Connecting Terminology, a 12-page booklet containing definitions of switching and connecting terms, is available upon request from the Sales Dept., Switchcraft, Inc., 5555N. Elston Ave., Chicago, IL 60630. The Dictionary is intended as an aid in specifying jacks, plugs, pushbutton switches, connectors, molded cable assemblies and audio accessories.

Ailtech products are described and illustrated in a 62-page catalog available from Ailtech, a Cutler-Hammer Co., 19535 East Walnut Dr., City of Industry, CA 91748. The products include spectrum analyzers, noise measurement instruments, noise calibration systems, test receivers, RF power sources and waveform generators.

Motion Picture and Television Films 1973, a 30-page catalog, is available from Agfa-Gevaert Inc., 275 North St., Teterboro, NJ 07608. The catalog lists Gevacolor and Gevacolor color films, Geva-

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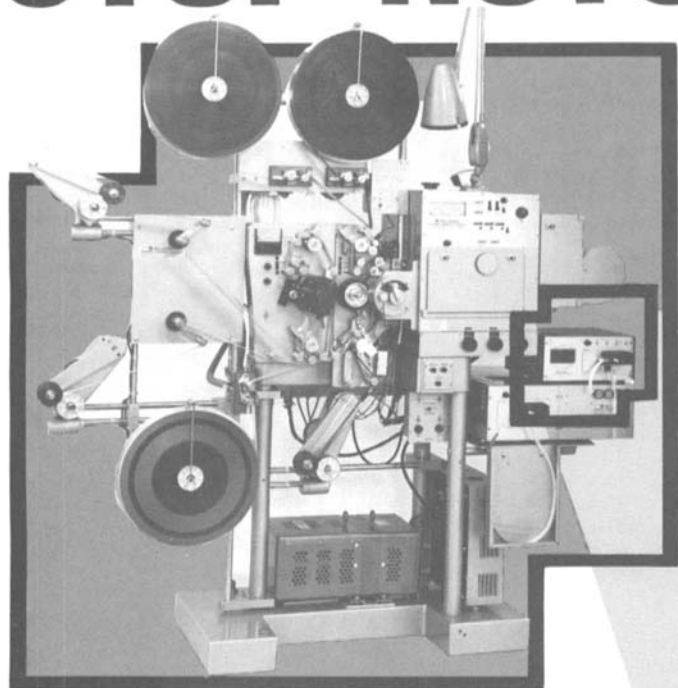
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pan black-and-white films, film for making titles, black-and-white duplicating films, black-and-white print films, sound recording films, chemicals, leader stock, color and gray scales and other related items.

NTIS Publications

The publications listed below are available from National Technical Information Service (NTIS), Springfield, VA 22151. Unless otherwise noted each report is \$3.00 (microfiche 95 cents). For the convenience of the reader, titles and brief descriptions of the publications have been grouped under three categories.

Communications

PB-208 462, *Cable Television Bibliography*, 30 pp. Lists articles, reports and books concerning cable television and its regulation.

UCRL-51160, *Visual Aid Closed-Circuit TV*, P. McGoldrick, 15 pp. Discusses a portable low-cost closed-circuit TV system in which the contrast and magnification of a viewed image (particularly printed matter) is enhanced well beyond those levels obtainable with purely optical systems.

N72-12097, *The Potentiality of Satellite Systems for Meeting Future Press and Publication Requirements*, Eurospace, 55 pp.

N72-16122, *A Digital-to-Analog Conversion Circuit Using Third-Order Polynomial Interpolation*, W. P. Dotson and J. H. Wilson, 62 pp.

PB-208 913, *Pilot Projects for the Broadband Communications Distribution System*, 492 pp. Comprehensive listing of telecommunications projects and experiments, planned or in progress, relating to the Office of Telecommunications Policy goal of a major telecommunications pilot program to determine the usefulness and economic viability of wideband distribution facilities in alleviating some urgent problems of today's society.

PB-209 055, *Permanent Arrangements for the Commercial Communication Satellite System of Intelsat*, S. E. Doyle, 49 pp.

Reports containing documentation submitted to the Federal Trade Commission in support of various claims made by manufacturers concerning design and performance of television sets.

PB-208 995, *FTC Advertising Substantiation Program — Television Sets: Documentation of Motorola, Inc.*, 28 pp.

PB-208 996 (Same Title), *Documentation of Matsushita Company*, 3 pp.

PT-208 998 (Same Title), *Documentation of Montgomery Ward & Co.*, 45 pp.

PB-208 999 (Same Title), *Documentation of Sony Corp.*, 12 pp.

PB-208 990 (Same Title), *Documentation of Admiral Corp.*, 14 pp.

PB-208 997 (Same Title), *Index of Materials Submitted in Response to FTC Orders to File Special Report Date 13 October 1971*.

Optics

AD-740 209, *Cadmium Telluride: A Bibliographic Supplement*, 38 pp. Provides

more than 200 citations and abstracts on the preparation and properties of cadmium telluride (paper copy only, \$5.00).

N-72 15433, *A Holographic System That Records Front-Surface Detail of a Scene Moving at High Velocity*, R. L. Kurtz and H. Y. Loh, 93 pp. Discusses a technique that uses an elliptical orientation for the holographic arrangement.

AD-740 836, *Underwater Viewing System Using Sound Holography*, P. N. Keating, et al., 76 pp. Discusses design and development of an underwater viewing system and a coherent light area modulator.

AD-740 312, *Soviet Chemical Laser Research: Pulsed Lasers*, Y. Ksander, 56 pp. Reviews Soviet work on pulsed chemical lasers published in the open literature from 1963 to 1970.

EGG-1183 2268, *Ocular Hazard Analysis of a Pulsed Ultraviolet Laser*, T. W. Nybakken and T. P. Davis, 25 pp. Evaluates ultraviolet laser eye hazards (UV photokeratitis and retinal injury) with specific reference to the pulsed nitrogen laser.

Photography

N72-15433, *A Holographic System That Records Front-Surface Detail of a Scene Moving at High Velocity*, R. L. Kurtz and H. Y. Loh, 93 pp. Discusses a technique that uses an elliptical orientation for the holographic arrangement.

N72-15433 *Underwater Viewing System Using Sound Holography*, P. N. Keating, et al., 76 pp. Discusses design and development of an underwater viewing system and a coherent light area modulator.

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