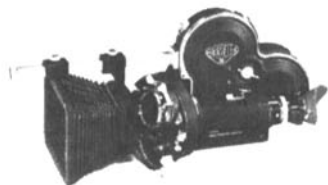


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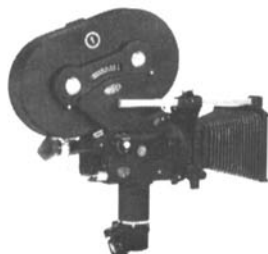


ARRIFLEX 16mm CAMERA



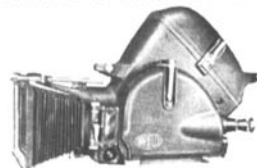
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graphic, graphic arts and x-ray chemicals, Hunt operates 20 branches, sales offices and plants throughout the United States and Canada. Wayland, with facilities in Providence, R.I., manufactures organic chemicals for the photographic and graphic arts industries. The present officers of Wayland, President Sheldon L. Green and Vice-President Harry Kroll, will be the operating officers of the Wayland division following the merger with Hunt.

A series of 10 lecture-seminars on the general subject of the Visual Nature of the Film Medium has been announced by the Museum of Modern Art. The lectures will be given Monday evenings from 8 to 10 P.M., beginning February 1, by Slavko

Vorkapich. Mr. Vorkapich, a native of Yugoslavia who achieved fame in America as artist and film-maker, was formerly (1949-1951) Head of the Department of Cinema of the University of California. He is well known as a lecturer and instructor on the theory and practice of the art of the motion picture. During the lecture-seminar series at the Museum he will discuss such topics as laws of visual perception; bipolar organization; the gestalt law of good continuation; object-motion and the stationary camera; camera movements; creative use of angles; trick photography; and aesthetics of film form and content. Detailed information is available from the Museum of Modern Art, 11 W. 53 St., New York, N.Y. 10019.



books reviewed

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My Autobiography

By Charles Chaplin. Published (1964) by Simon and Schuster, 630 5th Ave., New York 20, N.Y. 512 pp., 117 photographs, index, 6 by 9½ in. Price, \$6.95.

Cecil Beaton's Fair Lady

Published (1964) by Holt, Rinehart and Winston, 383 Madison Ave., New York, N.Y. 10017. 128 pp., 32 photographs, 5½ by 8½ in. Price, \$4.95.

There is little of real technical content in these two highly popular books; their value lies in the fact that they describe the working life of motion-picture people. This is unusual — and done better by the second author than the first. But SMPTE members who have lived and worked in Hollywood, possibly some since the second decade of this century, will find much pleasure in both books.

One has to go through a good many dinner parties with notables to read about Chaplin's experiences in film-making. But there is interest in having the events set forth by one of the chief participants. Film historians will not be able to write in the future about Mack Sennett or United Artists without reference to this book.

Chaplin was born nineteen years after Dickens died, but the first hundred pages of *My Autobiography* — describing events of a tragic and impoverished London childhood — read as though Dickens had invented them. Although irrelevant to movie-making, these pages may yet be made into a movie.

Beaton's book is an exuberant tour of the Warner lot. Though it has its share of swimming and dinner parties, they are not gone into in detail and do not detract from

the experience of looking over a designer's shoulder and sharing in the thoughts that govern his decisions. In this slim and attractive volume (Beaton covers only one picture, while Chaplin deals with a lifetime), scientists and engineers may relax as they watch the artist use the materials they have supplied him.—Ed.

Books, Booklets, Brochures

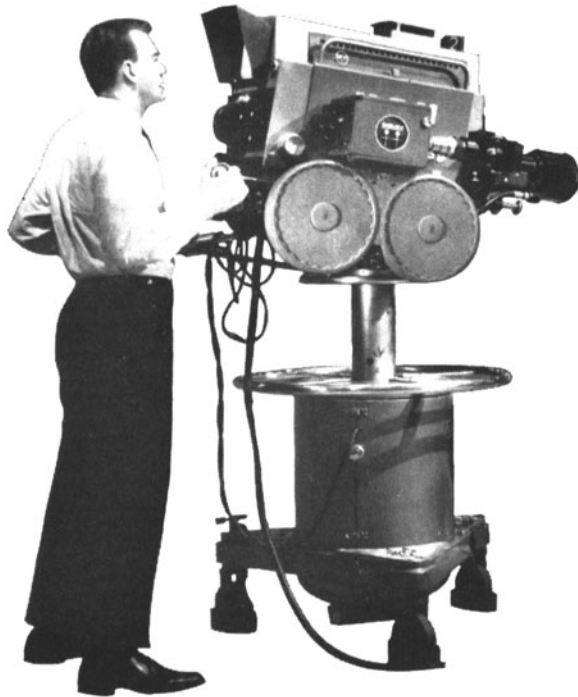
A two-color illustrated brochure (No. 25 — Stands) describing the firm's complete line of light stands is available upon request from Ascor, Marketing Dept., 2035 N.E. 151 St., North Miami Beach, Fla. 33162. The brochure describes three categories of stands (light duty, medium and heavy) and gives specifications and prices on each.

Electronic Projects Catalog No. 8 lists a number of projects or electronic devices that can be constructed by the user according to instructions and materials supplied by Henry Francis Parks Laboratory, Box 1665, Seattle, Wash. 98125. The catalog is available without charge upon request. Some of the projects, for example those intended for use by the medical profession, are restricted. For example, a diathermic machine is described in the catalog as "lethal" and the materials and instructions are sold only to doctors who order it on their letterheads. Unrestricted projects include such items as amplifiers, transistor radios, voltage regulator tube testers, and a number of musical instruments.

School Scheduling by Computer; The Story of GASP, a 60-page report on the use of computers in education is available without charge from Educational Facilities Laboratories, 477 Madison Ave., New York, N.Y. 10022. GASP (Generalized Academic Stimulation Programs) is a program, developed at the Massachusetts Institute of Technology, involving use of computers to enable schools to adopt more complex programs, such as team teaching, so that they would be better adapted to the needs of individual students.

The computer program has been used experimentally in high schools in Wayland, Mass., Norridge, Ill., Cohasset, Mass., and Montvale, N.J. This special computer technique was also used to simulate the operation of three community colleges in the St. Louis area before they were built

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situations. Particularly is this true where programming is to be widely distributed within and outside the country, such as in the case of producers of entertainment programs, educational material, industrial features, commercials, training programs, etc.

Also, foreign distribution of videotape is generally impractical because of differences in technical standards throughout many countries of the world. However,

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so as to get the maximum use from the instructional space.

A special issue of the *Journal of Engineering Education*, which examines the status of the engineering technician in terms of educational requirements and the technician's contributions to the various fields of engineering, cites a recent survey prepared for the National Science Foundation by the Bureau of Labor Statistics of the U.S. Department of Labor which estimates that about 1,296,700 engineering technicians will be required by 1970 — an increase of about 521,000 over the 1960 employment level. "Where are these men to come from; how are they to be educated?" are questions to which possible answers are discussed.

A report, published in 1962, of a special committee of the American Society for Engineering Education defines the essentials of an education for engineering technology as (1) basic science courses, which include mathematics and physical sciences; (2) technical courses, which include technical skills and specialties; and (3) nontechnical courses, which include communications, humanities, and other life-oriented courses.

"The engineering technician," it is concluded, "is a graduate of a college-level program of study, generally two years in length, with specific goals and study patterns."

The Engineers Council for Professional Development has become increasingly concerned with educational programs for engineering technicians and with definitions and evaluations. The ECPD undertakes to evaluate such educational programs in terms of published definitions and criteria and to accredit institutions found to be "competently accomplishing the objectives claimed for it."

With the growing importance of the engineering profession as a whole, and the great increase in the number of special fields of science, engineering and technology, the need for stricter definitions and differentiations has become increasingly apparent. This concern is reflected in an examination of this particular problem in the area of motion pictures and television by Deane R. White ("Definitions: Photography, Science, Engineering," *Journal*, p. 812, Oct. 1963).

Definitions, as indicated in the papers in the special issue on engineering technology, are involved with educational requirements and criteria as well as with functions and activities within the limitations of a particular field.

This special Engineering Technology issue of the *Journal of Engineering Education* is available from the American Society for Engineering Education, University of Illinois, Urbana, Ill., at a price of \$1.00 for each copy.

Where Does the Film Editor Fit in the Motion Picture Industry? is the title of a 30-page booklet issued by American Cinema Editors, Inc., 8833 Sunset Blvd., Los Angeles, Calif. 90069, and sponsored by Consolidated Film Industries. The question posed in the title is admirably answered in the booklet by means of 12 diagrams and accompanying explanatory

text. Diagrams and art are by Audio-Visual Services — USC Cinema and Art Dept., Title and Optical Div., Consolidated Film Industries. The 12 diagrams show the film editor's place in every type of production, including films produced by both major and minor studios, documentaries, cartoons and films by independent producers. The text accompanying Diagram #5 notes that "... no one person — except the director on the set — has as much control over the actor's performance as the film editor. This is due solely to his ability to effect it with his choice and manipulation of the film."

James Madison Wood Quadrangle, Stephens College, is a 38-page report on a newly constructed "learning center" at Stephens College, Columbia, Mo., built at an estimated cost of \$3.6 million. The new center, named in honor of the late president of the college, employs all modern electronic and audio-visual means of communication. The complex consists of four new buildings and one renovated building and includes a library, science hall — communications center, fine arts center and two classroom buildings, one of which is equipped with electronic "learning laboratories." All of the classrooms, laboratories and lecture halls are linked electronically to the communications center. Information stored on video tape, film, slides, audio recordings and tapes can be transmitted over coaxial cables or audio circuits to any instructional area and into the library. Live TV and audio programming may originate in the communications center or in many of the lecture halls, laboratories and classrooms. Copies of the report are available upon request to the Office of Information, Stephens College, Columbia, Mo. 65203.

The Festival Film Guide, published by the Educational Film Library Assn., is currently available together with the *American Film Festival Catalog* issued as a 1964 supplement. About 2,000 16mm films and 400 35mm filmstrips, all nominated for Festival screenings, are listed in the two volumes. Each listing includes basic information about the film or filmstrip; a definition of the audience for which it is intended; a brief description of its content; and the name and address from which it may be purchased, rented, or borrowed. The *Festival Film Guide*, complete with a five-year cumulative index, is priced at \$5.00; the 1964 supplement, at \$1.00. They are available from: Educational Film Library Assn., 250 W. 57 St., New York, N.Y. 10019.

Standardization — Increased Payoffs Through Advanced Technology is the title of the Proceedings of the 12th Annual Meeting of the Standards Engineers Society (SES). Papers included in the 120-page book discuss the development and use of standards. Papers are also included which discuss governmental standardization activities. The book (paperbound, 8½ by 11 in.) is available from Miss M. M. Hoagland, c/o Leeds and Northrup Co., 4901 Stenton Ave., Philadelphia 44, Pa. It is priced at \$5.00 (nonmembers). Price to SES members is \$4.00.

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Research reports available from the Office of Technical Services, U.S. Department of Commerce, Washington, D.C. 20230, include *Laser Angular Rotation Sensor* (AD 425 706, price, \$1.25), a report on research leading to possible development of a laser angular rotation sensor with accuracy comparable to the best conventional gyros and additional advantages; *Optical Laser Illumination* (AD 425 614, price, 75 cents), a report on a technique that can be used for measuring thermal diffusivity of solid materials including metals and ceramics at high temperature; and *Optical Tests of Rubies* (AD 431 300, price, 75 cents). An Air Force-sponsored report on *Development of Phosphor Screens for High Resolution Display Devices* (AD 600 724, price \$1.50) is also available. Cathodoluminescent phosphor screens with resolutions exceeding 80 line pairs/mm have been deposited cataphoretically on glass. The processing of these screens for high-resolution display devices is described in the report. In using the electrophoretic deposition technique, suspended or colloidal positively charged particles in a liquid medium migrate toward the cathode when an electric field is applied across immersed electrodes. This is the process of cataphoresis described in the report.

Also available is a report on *Assembly Techniques for Camera Tubes* (AD 420 964, price, \$1.50).

Hard Copy is the title of a series of design notes issued from time to time by Photomechanisms, Inc., 15 Stepar Place, Huntington Station, N.Y., describing the latest developments in the application of optical, photographic and electro-mechanical techniques to problems of data solving. Current and future issues are devoted to such topics as "Athermal Design of Optical Systems," "Rapid Access Photographic Processing," and "Precision Gear Train Design." The publication is available upon request to interested technical and management personnel.

Products, facilities and activities of General Aniline and Film Corp., 140 W. 51 St., New York, N.Y. 10019, are described in a 52-page catalog illustrated with color and black-and-white photographs, maps and charts. An introduction states that the firm employs about 7,500 persons in the manufacture and sale of a yearly output of about \$180 million worth of dyes, pigments, chemicals, Ansco photographic products, Ozalid reproduction products, and precision instruments and parts.

The Arriflex-16Q camera is illustrated and described in a 4-page folder available from Arriflex Corp. of America, 257 Park Ave. South, New York, N.Y. 10010. The 16-lb camera is self-blinded for synchronous

sound recording. Additional features include mirror-shutter, through-the-lens viewing, combined tachometer and sync signal generator for synchronous sound recording, precision registration film movement, and quick-change magazines.

Also described in a separate 4-page folder is the Arriflex 16M now available in larger quantities. The 16M is a magazine camera with film capacity up to 1,200 ft. A new line of gear-driven, quickly interchangeable magazines has been developed for it.

B & S Rental Catalog No. 4 is available from Birns & Sawyer Cine Equipment Co., 6424 Santa Monica Blvd., Hollywood, Calif. 90038. The 64-page catalog contains more than 200 photographs of various rental equipments. Items for both motion-picture and still photography are described in detail.

Specialized lighting equipments, including quartz, incandescent and arc, are described in a 68-page catalog available from Mole-Richardson Co., 937 N. Sycamore Ave., Hollywood, Calif. 90038. Also listed are generators, power distribution, microphone booms and perambulators, grip and special-effects equipment and supplies.

Kollmorgen Projection Lenses are illustrated and described in a 6-page bro-

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chure available from Kollmorgen Corp., Northampton, Mass. 01060. The brochure includes descriptions of Series II Snaplites which incorporate four elements of varying types of optical glass with special contours to correct the three basic optical aberrations, resulting in an "aplanatic" lens. Also described are Super Snaplites which incorporate two or more extra elements.

Two models of pulse generators designed to provide 10, 100, or 1,000 cps pulses to trigger neon glow lamps in photographic data-recording instruments are illustrated and described in a data sheet (Form TLG-464) available from Red Lake Labs, Inc., 2971 Corvin Dr., Santa Clara 2, Calif. The MicroMilliMite is a 28-v d-c unit for airborne or rocket sled uses and the MilliMite is designed for land-based applications with either an internal battery or 115-v a-c power.

Oscilloscope accessories are illustrated and described in a 52-page catalog available from Tektronix, Inc., P.O. Box 500, Beaverton, Ore. 97005. Included in the catalog are detailed descriptions including price of such items as cameras, probes and oscilloscope carts to probe tips, cables and connectors.

Obituary



Paul C. Reed

Paul C. Reed, a recognized leader in audio-visual education, died October 4 in Rochester, N.Y., at the age of 56. He had been on the staff of the Rochester School District for 35 years. At the time of his death he was Supervising Director of Instruction for the Rochester public schools. He was also editor of *Educational Screen*, a post he had held since 1947, and he frequently lectured on audio-visual subjects before college and university groups. He was one of the founders of the Rochester School of the Air (presently known as the Empire State School of the Air), and was also a founder and the first president of the New York State Audio-Visual Council. He was also a founder of the Rochester Audio-Visual Association. Among other activities he had held the office of President of the Audio-Visual Department of the National Education Association and had been Assistant Director of the Joint Committee on Educational Television. One of his more recent assignments was that of Chairman of the Program Committee for

Allied Industrial Electronics 1965 Catalog #650 (572 pp.) and Allied Radio's 1965 Catalog #240 (410 pp.) are both available upon request from Allied Electronics Corp., Industrial Subsidiary of Allied Radio, 100 N. Western Ave., Chicago, Ill. 60680. Both catalogs are profusely illustrated. Catalog #240 lists consumer-type electronics products which, in most cases, are not duplicated in the industrial book. Included in Catalog #650 is an easy-to-use index and a separate index of military specifications.

Selection 65, a 112-page inventory of laboratory instruments and equipments is available from LaPine Scientific Co., 6001 S. Knox Ave., Chicago, Ill. 60629. The publication lists the most recently developed balances; water, sand, and plastic coating fluidized baths; furnaces; glove boxes; fume hoods; incubators; pumps; ovens and recorders.

The Delcon Detector, a four-page bulletin published monthly by Delcon Corp., 943 Industrial Ave., Palo Alto, Calif. 94303, contains "case histories" and items about the Delcon Detector, an ultrasonic leak detector. The bulletin is available without charge.

the National Meeting of the Department of Audio-Visual Instruction (DAVI) of the National Educational Association which was held in Rochester, N.Y., in April. During World War II he was a civilian consultant to the Coordinator of Government Films and he assisted as a visual-aids specialist for war training activities.

Among many eulogies, one Herman R. Goldberg, Superintendent of Schools for Rochester, described Mr. Reed as a "champion of creativity."

Deceased Members

Since the last Directory these members have been regretfully reported as deceased.

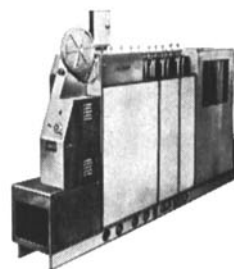
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 Harry J. Freedman (M)
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