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covers, is not printed, but mineographed from typed stencils, with individual letters occasionally missing or blurred, and some faulty spacing and margins. These are, however, comparatively small details that do not detract for the overall worth of this valuable research and reference tool. —George L. George, Executive Secretary, Screen Directors International Guild, New York.

English-Russian Dictionary of Photography and Cinematography

By A. A. Sakharov. Edited by Prof. E. M. Goldovsky, Central Editorial Board, Foreign Language Scientific and Technical Dictionaries, Fizmatgiz, Moscow, 1960. (Obtainable in U.S., Barnes and Noble, 5th Ave. and 18th St., New York, N.Y.). 395 pages. Price 14 rubles 95.

The introduction to this dictionary states that it is the first to be published on the subject in the Soviet Union and that it contains about 10,000 words and expressions directly connected with the motion-picture and the photographic industries. It is intended not only for motion-picture engineers, but also for students learning cinema techniques, amateur movie makers and various specialists using photo and film in their daily work.

In preparing this dictionary the compiler has drawn widely on handbooks and periodicals published in the last twenty years (the ten volume encyclopedia "The Complete Photographer" and the "Encyclopedia" published by Focal Press in London are specially cited). Reference is also made to previously published multilingual dictionaries outside the Soviet Union—King, Elsevir (Clason), Gauda, etc.

The main part of this dictionary (287 pp.) is taken up by an English-Russian list but a very short list of English and American abbreviations is included and also an index of Russian words which might be useful to a person translating from Russian into English. A number is printed after each Russian word referring to the English word in the front part of the dictionary. Certain errors (such as Movicton, Grew, Cinemascope) and omissions (Akeley camera, script-girl, variable focal-length lens, etc.) are evident but this book will nevertheless be very useful in the United States.

(The dictionary is available in France, at a price of little more than 2 U.S. dollars, from a book shop which specializes in publications from Eastern European countries.) Finally, it is interesting to note that 8,000 copies of this dictionary have been printed in the first edition.—Alexis N. Vorontzoff, 10 Rue Mademoiselle, 10 Paris XV, France.

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current literature



The Editors present for convenient reference a list of articles dealing with subjects cognate to motion-picture engineering published in a number of selected journals. Photostatic or microfilm copies of articles in magazines that are available may be obtained from The Library of Congress, Washington, D.C., or from the New York Public Library, New York, N.Y., at prevailing rates.

American Cinematographer vol. 42, Sept. 1961
Kodak's New Reflex Special 16mm Camera (p. 534)

British Kinematography vol. 38, Apr. 1961
Past, Present and Future Trends in Sound Recording Techniques (p. 88) *F. W. Rennie*
Rapid Reversal Process and Special Projection System for Film Patrol (p. 96) *E. R. Townley*

Film Technikum vol. 12, June 1961
Tontechnik, Lautsprecher werden gemessen

International Photographer vol. 33, June 1961
Kodak Rapid Processor (p. 112)

Jour. Brit. IRE vol. 21, Apr. 1961
Television Anomalies—Past, Present and Future (p. 291) *L. H. Bedford*
On the Problem of Magnetic Focusing of a Beam of Electrons Emitted With Thermal Velocities (p. 337) *J. Vejvodova*

Jour. Phot. Sci. vol. 9, May/June 1961
Latent Image Reactions With Mercuric Chloride (p. 145) *D. M. Spracklen*
Role of Gelatin in Photographic Emulsions (p. 151) *H. W. Wood*

The Dual Mechanism of Latent-Image Formation in Photographic Emulsions (p. 157) *E. A. Sutherns* and *L. E. Loening*
Nanosecond Light Sources (p. 165) *G. Porter* and *E. R. Wooding*

Effect of Plate Making Conditions on the Tone Rendering Obtained Using Non-Dichromate Sensitized Lithographic Plates (p. 180) *S. D. Winn* and *L. E. Lawson*

Equivalent Quantum Efficiency and the Information Content of Photographic Images (p. 188) *E. H. Linfoot*

Solarization: Reversal Effects Arising From Variation of Developed-Grain Size With Exposure (p. 195) *G. C. Farnell* and *J. B. Chanter*

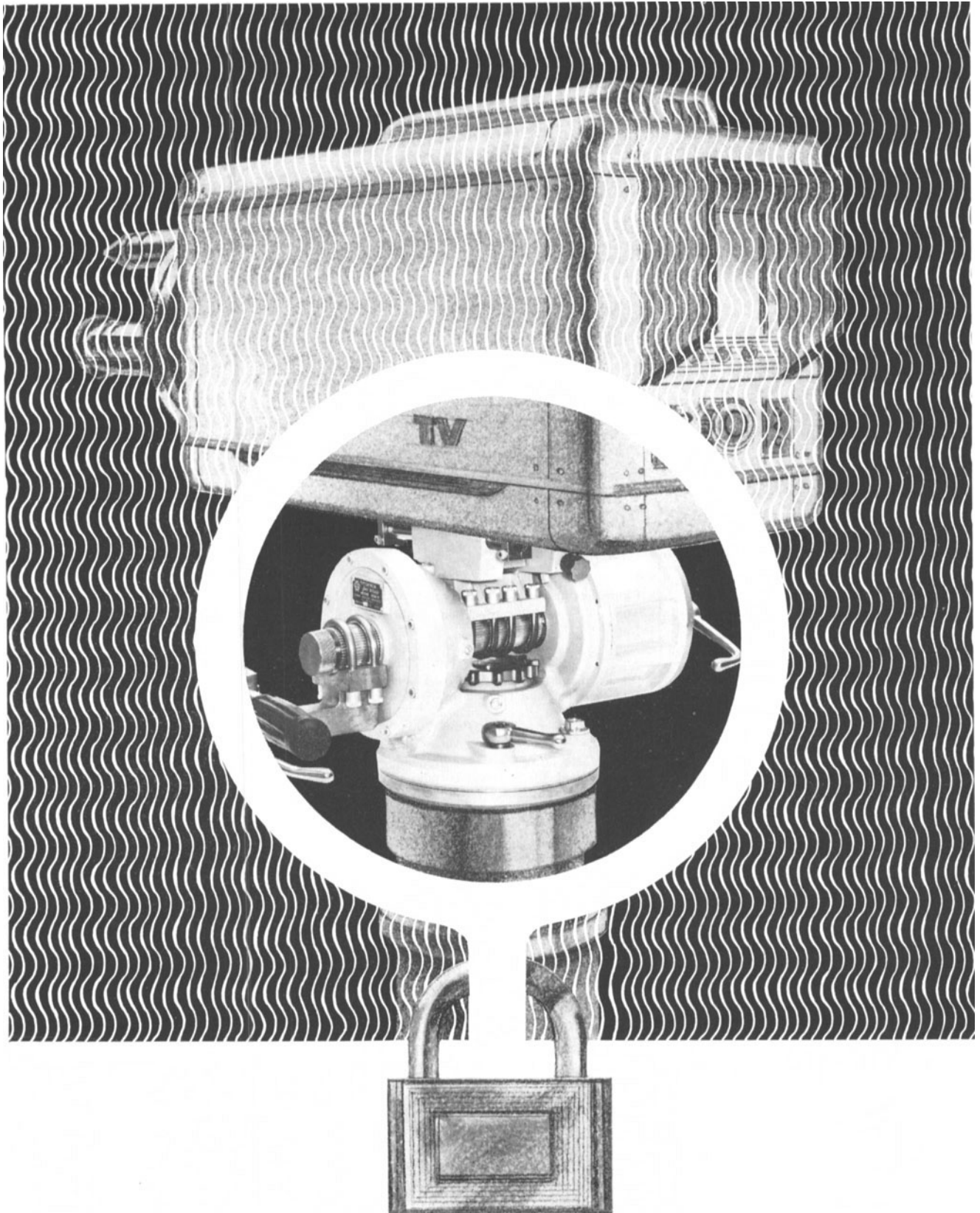
On Necessary Measurements for the Characterization and Optimum Use of Photographic Materials for Scientific Purposes (p. 201) *P. B. Fellgett*

Comparison of Flash Light Sources by the Open Shutter Method (p. 207) *George H. Lunn*
Estimation of Restrainers (p. 210) *P. S. Gordon* and *E. D. Swann*

vol. 9, July/Aug. 1961
Reliability of Bleaching Techniques for the Determination of Latent Image Distribution in Silver Bromide and Iodobromide Emulsions (p. 217) *E. A. Sutherns*

Electrokinetic Measurements on Silver, Silver Bromide and Silver Sulphide (p. 222) *J. Barr* and *H. O. Dickinson*

Jour. Radio Research Lab (Japan) vol. 8, Jan. 1961
Theory of Cross Relaxation in Maser Materials (p. 1) *M. Hirano*



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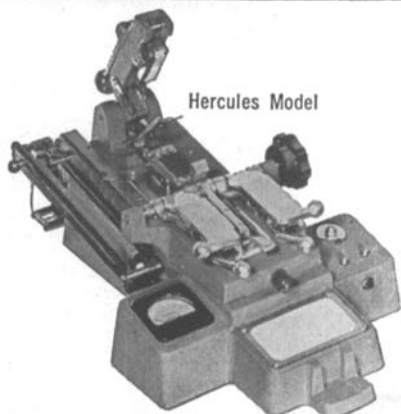
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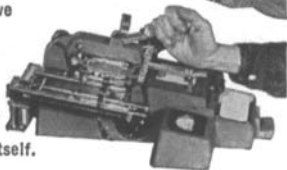
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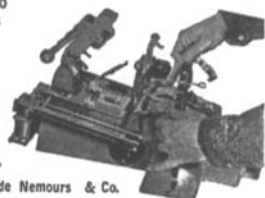
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The Adsorption of Developing Agents to a Dropping-Mercury Electrode (p. 234) *P. J. Hillson*

Some Notes on Maxwell's Colour Photograph (p. 243) *R. M. Evans*

Towards the Ultimate Speed in Photography (p. 247) *G. I. P. Levenson et al* (Symposium)

Calculation of Limit Sensitivity in Photographic Layers (p. 254) *K. V. Vendrovsky and V. I. Sheberstov*

Uses of Photography in Chemical Engineering Research Projects (p. 260) *J. Liddell, C. Ramshaw, A. Thoburn and R. J. Dalton*

Kino-Technik vol. 15, April 1961
Umkehrentwicklungsverfahren für die Fernsehaufzeichnungen auf Telerecording-Film (p. 99) *E. Pochadt*

Aufbau und Arbeitsweise von Farbfernsehanlagen (p. 105) *H. Jensen*

Pegelverlust bei magnetischen Aufzeichnungen (p. 112) *F. Trommer*

vol. 15, No. 6, 1961

Die optimale Gradation des projizierten Bildes (p. 169) *W. Behrendt*

Verbesserte Magnettonfilme für das Atelier (p. 173) *H. Hörmann*

Neue Tendenzen in der 8-mm-Geräteentwicklung (p. 175) *G. Hauffer*

vol. 15, Aug. 1961

Die Optik der Farbfernsehkamera (p. 225) *H. Jensen*

Röntgenblitz-Kinematographie bei Frequenzen bis zu 12000 B/s (p. 229) *G. Thomer*

Photo-Technik-Wirtschaft, vol. 12, June 1961

Auch die 8-mm-Heimprojektion hat ihre Gesetze (p. 196) *H. Ulfers*

Vol. 12, April 1961

Die Schmalfilmkamera bei Untersuchungen in Wissenschaft und Technik (p. 96) *F. Frese*

Proc. Inst. Electrical Eng. Pt. B.

vol. 108, Mar. 1961

Phase Variation of Very-Low-Frequency Waves Propagated Over Long Distances (p. 214) *B. G. Pressey, G. E. Ashwell and J. Hargreaves*

RCA Rev. vol. 22, June 1961

Helix Parametric Amplifier: A Broadband Solid-State Microwave Amplifier (p. 219) *C. L. Cuccia and K. K. N. Chang*

Optimum Band Shape for Television Intermediate-Frequency Amplifier (p. 245) *T. Murakami*

Suppression and Limiting of Undesired Signals in Traveling-Wave-Tube Amplifiers (p. 280) *H. J. Wolkstein*

High-Beam-Velocity Vidicon (p. 305) *J. Dresner*

Books, Booklets, Brochures

Planning Schools for New Media is a profusely illustrated (photographs, diagrams and drawings) 72-page manual prepared by three educators, Amo De Bernardis, Victor W. Doherty and Errett Hummel, and an architect, Charles William Brubaker, in cooperation with the Office of Education of the Department of Health, Education and Welfare. The purpose of the publication is to assist school board members, school superintendents and architects to plan school buildings so that teachers may make full and effective use of modern media of instruction. Preparation of the manual was performed under a contract made in accordance with the provisions of Title 7, Part B or the National Defense Education Act of 1958.

Films Incorporated, a subsidiary of Encyclopaedia Britannica Films, Inc. has issued a 160-page catalog (62-A) which lists hundreds of 16mm sound feature films and short subjects available on a rental basis. The service is mainly for schools, colleges and universities, shut-in institutions, social service centers, boys clubs, neighborhood houses, summer camps, churches and theaterless towns. Information is available from Films Incorporated, 1150 Wilmette, Acc., Wilmette, Ill.

More than three thousand journals, papers, selected books and other publications are indexed and annotated by Engineering Index, Inc., 345 E. 47 St., New York 17. The service is divided into 249 fields of interest. The Index issues annually a bound volume and maintains a card index service mailed weekly to subscribers.

Densitometers for density measurements of color and black-and-white positive or negative motion-picture films and optical soundtracks are described in a brochure available from the Westrex Recording Equipment division of Litton Systems, Inc., 335 N. Maple Dr., Beverly Hills, Calif., by requesting Bulletin 3.9. Descriptions and illustrations are included in the six-page brochure.

Magnetic films are described in a brochure which illustrates in color and describes in detail nine types of magnetic film (five with standard oxide coating, three with high output oxide, and one with heavy duty oxide). It is available upon request from Carl J. Andrews, Advertising Dept., Minnesota Mining and Mfg. Co., 900 Bush Ave., St. Paul 6, Minn. The brochure also contains information on splicing, erasure, cleaning and handling, and storage techniques.

Motion-picture lighting kits are described in an 8-page illustrated catalog of Colortran kits available from Natural Lighting Corp., 630 S. Flower St., Burbank, Calif. The catalog contains technical data on 16 kits for lighting areas of 15 × 20 ft through 20 × 40 ft. The kits are designed as units to fit into carrying cases. Components such as converters, lights, stands, grips, etc., are described. The firm also offers without charge a 4-page illustrated catalog of 3-wire custom power cables.

What's New in Photo Lamps and Lighting is a leaflet published by the Photo Lamp Department, General Electric, Nela Park, Cleveland 12, Ohio. Issue No. 17, dated August 1961, discusses the "Natural Look With Flash Outdoors," and takes up unusual lighting situations. Some suggestions are offered as to basic minimum equipment and a list of suggested filters for various types of light sources is given.

A 100-page catalog with 300 illustrations describing equipment for commercial and industrial motion pictures, television and photoinstrumentation is available from Gordon Enterprises, 5362 North Cahuenga Blvd., North Hollywood. Also included is reference material illustrated with charts and graphs.