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Co., 90 Park Ave., New York, N.Y. 10016. He joined Group W in February 1956 as a technical director for KYW-TV, the Group W station then in Cleveland. In January 1968, he was appointed Manager of Engineering for all 12 Group W radio and television stations with headquarters in New York.

Terry H. Wells has been appointed Assistant Professor of Theatre Arts at Pennsylvania State University, University Park, Pa. 16802. He will also serve as Technical Director for the University's theater program. Mr. Wells was graduated in 1955 from the University of Wisconsin. He has taught at the University of Massachusetts, North Carolina College, University of Miami and Michigan State University.

Robert W. Kuhl has been appointed National Broadcast Sales Manager for Visual Electronics Corp., 356 W. 40 St., New York, N.Y. 10018. He was formerly Western Regional Manager stationed in Sunnysvale, Calif. In his new post he will be responsible for all broadcast sales and support activity. His promotion was announced as "the most important step that Visual has taken in its expanded sales program."

Murray Rubenstein has been promoted to Laboratory Manager for Lab-TV, 723 Seventh Ave., New York. He has been with the company since 1964 and was previously in charge of the printing department.

Tedd C. Determan has been appointed Creative Director of the studios of Fred A. Niles Communications Centers, Inc., 1058 W. Washington Blvd., Chicago, Ill. 60607, it was announced by Fred A. Niles, President. Prior to joining the organization, Mr. Determan was a television and theater producer.

and challenging environment. Work like this is comparable only to that of the outer space research program, lacking only the financial support of the latter.

The purpose of the book is to show the use of photography as an essential tool of the scientific worker in the exploration and study of our last frontier, the inner space of planet Earth. The subject has been covered in considerable detail. It seems, however, that some of the newer activities related to this field have not been represented. Past history and present developments are adequately treated.

Although this book shows that much has been accomplished, this reviewer feels it should have emphasized (1) that practically all results of the work of the authors shown are results of individual organizational groups having minimum budgets, buying what little was available and improvising as best they could; (2) that there is no present system for ocean volume photogrammetric documentation, as compared to existing aerial photogrammetry in normal atmosphere systems in use today and (3) that what is urgently needed is a full-scale development program to achieve a total system for volume photographic coverage of the ocean floor, together with automated rectification and data retrieval instrumentation to be used with existing and future underwater vehicles.

This book reflects credit on both the authors and the editors.—James F. Selvidio, U.S. Navy Underwater Sound Laboratory, New London, Conn. 06320.

Looking Ahead: The Papers of David Sarnoff

Published (1968) by McGraw-Hill Book Co., 330 W. 42 St., New York, N. Y. 10036. 313 + xxi pp. Illus. 7 by 10 in. Price \$9.95.

In recognition of the absence of an author's name on the title page of this book, no author's name has been shown above. This omission is only one of the many that puzzled this reviewer as he read through the many excerpts from the corporate and public documents that have been collected in this volume.

In the Foreword, Dr. Jerome B. Wiesner, Provost of MIT eulogizes David Sarnoff as an unique combination of a visionary, determined builder and hard-headed industrial leader. One judgment of this book is to be found in Wiesner's words: "This collection of his speeches and writings is important historically not only for the insight it provides the communications industry; it also reflects the vision of an extraordinary human being whose insights and energies did so much to shape that industry. I am certain that it will have a wider influence, inspiring youngsters of successive generations, and reminding us all of the great genius of America, the challenge it gives us all to participate and create and grow as our talents permit."

Unfortunately, Dr. Wiesner was carried away by the strength of his personal admiration for David Sarnoff. No responsible historian would use as prime reference material any selected series of documents, especially if the final selections were those approved for inclusion in a book by the

books reviewed



Deep-Sea Photography

Ed. John Brackett Hersey. Published (1967) by Johns Hopkins Press, Baltimore, Md. 21218. 310 pp. Appendix. Illus. (color and black-and-white). Diagrams. 8½ by 11 in. Stereo-viewing glasses in pocket inside back cover. Price \$17.50.

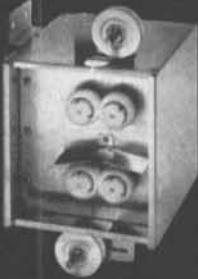
Although many of the articles in this book have appeared in part or in whole in various publications and have been presented at oceanology seminars, this book is an excellent and most valuable compilation of many accomplishments of those who work in an extremely difficult

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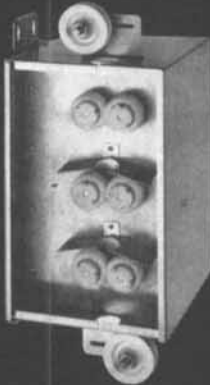
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man who is its subject. As a further comment on Dr. Wiesner's prediction, it would be a rare youngster who was inspired by the dry and wordy statements which were generated in the depths of a powerful corporation. It must be recognized that the words of engineers, lawyers, and even of public relations men are tedious reading, and seldom serve to inspire anyone.

This book contains the documents that serve as milestones in the long climb of David Sarnoff from office boy for the Marconi Wireless Telegraph Company of America to chairman of the Board of the Radio Corporation of America. But as this reviewer read along, he was increasingly disturbed that there was no way of telling what manner of man this David Sarnoff might be. Indeed this book is just what its title promises — reprints of the papers collected by David Sarnoff in his long career.

Interestingly enough, a small insight into the man may be gained from the "Acknowledgments," which is signed by David Sarnoff. We learn that by late 1966, he had collected "1000 volumes covering technical and commercial activities, letters, public statements and speeches." We learn, too, that this man gave his approval to the establishment of a David Sarnoff Library on a site adjacent to the RCA Laboratories in Princeton, New Jersey.

It appears to be impossible to write history while we are living it. The leavening influence of time allows us to judge the "authorized biography" as well as the output of the muckrakers for the extreme points of view that they represented. Similarly, we can be confident that the historian of the future will regard *Looking Ahead—The Papers of David Sarnoff* as only one part of the story of the birth and growth of radio and television broadcasting in the United States of America.—*W. T. Wintringham*, Bell Telephone Laboratories, Holmdel, N. J. 077033.

The Technique of Editing 16mm Films

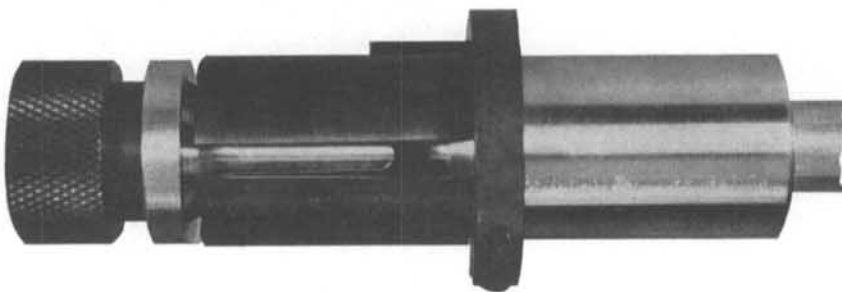
By John Burder. Published (1968) by Hastings House, Publishers, 10 E. 40 St., New York, N. Y. 10017. 152 pp. incl. index, technical terms. Illus. 5½ by 8½ in. Price \$9.50.

The Technique of Editing 16mm Films deals clearly and in detail with the editing of picture and sound, following the steps from shooting to finished print. Subjects covered include: film formats and types of stock; the functions of optical and magnetic sound, how sound is recorded, assembled, edited and mixed; the assembling of picture footage, printing methods, editing (rough and fine cuts); equipment used in the editing room for picture and sound; opticals and titles; negative cutting, printing, and checking and storing of finished prints.

For the beginner the book provides a comprehensive introduction to the subject; to the initiate it offers knowledge in areas which may be relatively less familiar to him (facts on sound for the picture-oriented editor; basic information on picture-editing which any sound editor should know).

Since the book was written (and first published) in England, many of its technical terms differ from American practice. Even

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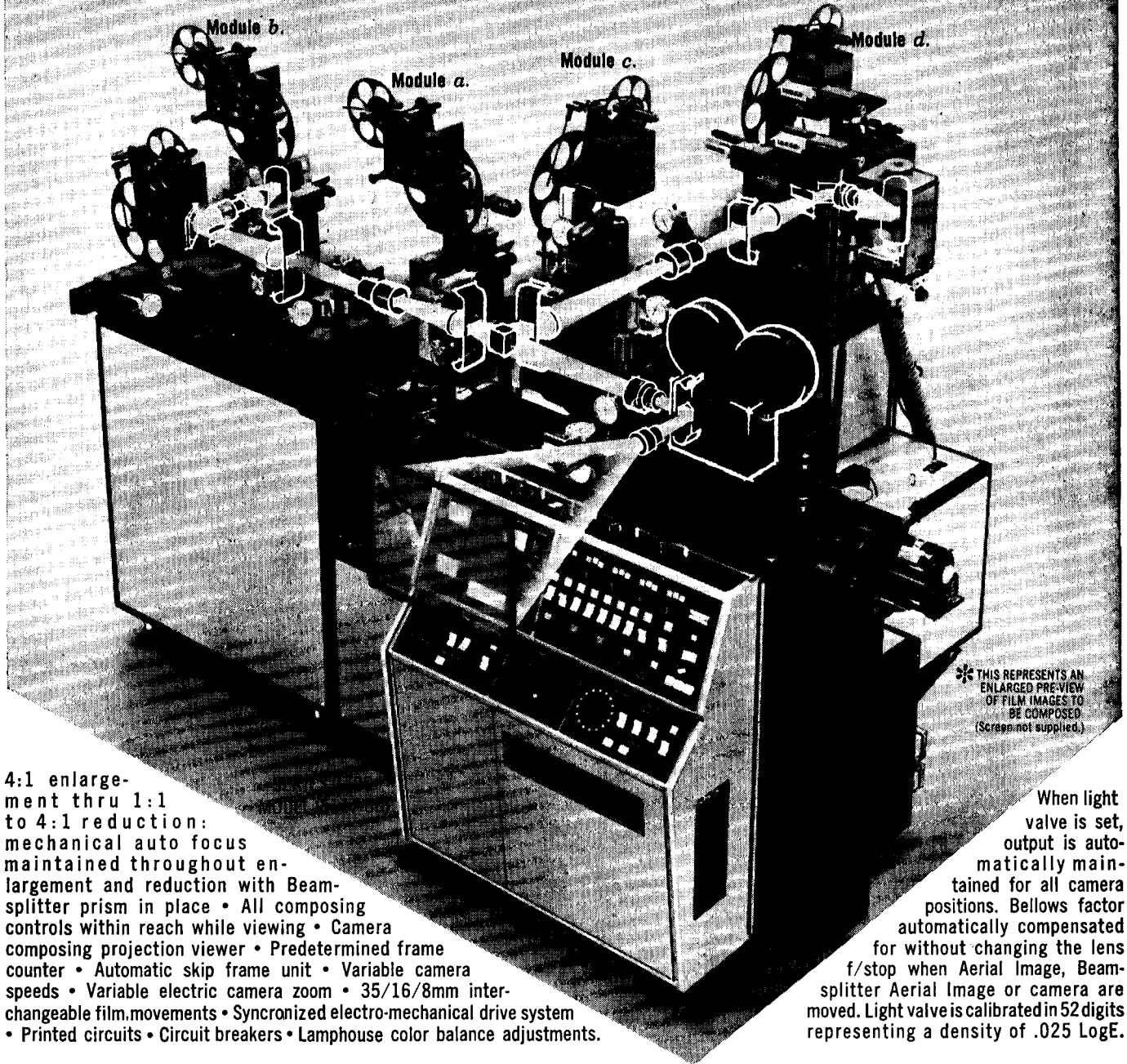
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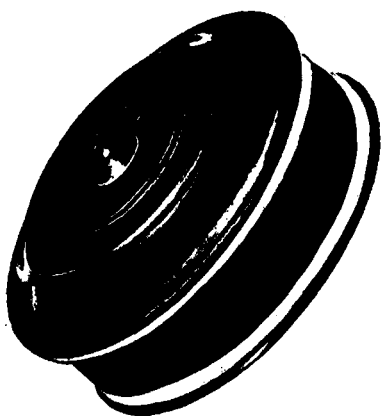
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though a glossary in the back of the book does list American equivalents for most terms, the text may prove unnecessarily cumbersome to some American readers. The book's value and appeal might have been enhanced if the American equivalents had appeared in the text (possibly in parentheses); in view of the rather stiff retail price, such an accommodation to the American market might be considered reasonable. In at least one instance, British practice, as described in the book, differs sharply from American usage: re-recording (mixing) footages in this country start their count at the start mark (if the leader) rather than the first frame of picture.

The book is well organized and maintains an informal tone. Especially noteworthy is the author's skill in explaining complicated processes in simple language. Frequently, personal observations out of the author's experience clarify a point or provide a bit of useful knowledge which no bare listing of facts alone could have achieved. (One example out of many: the suggestion that skillful use of sound can help to smooth out poor picture continuity.) A further aid to the reader is the wealth of excellent diagrams and sketches interspersed throughout the text: they are clear and simple, with genuinely informative captions.—*Frank Lewin, Filmsounds, Inc., 128 E. 41 St., New York, N. Y. 10017.*

Eleven Years of Photographic Science and Engineering

Ed. Richard W. Henn. Published (1968) by the Society of Photographic Scientists

and Engineers, 1330 Massachusetts Ave., N.W., Washington, D. C. 20005. 136 pp. 8 by 10½ in. Price \$15.00 (discounts to SPSE members).

This book contains more than 550 abstracts of papers that have appeared in *Photographic Science & Engineering* from Volume 1 1957 through Volume 11 1967. More than 600 authors are listed and the company affiliation of each author at the time the paper was published is given. Abstracts are grouped under four major headings: Photographic Materials (275 abstracts); Image Properties (130 abstracts); Applied Photography (115 abstracts) and Apparatus (36 abstracts). References to book reviews and biographies are included. The book is dedicated to T. Howard James who was Editor of *Photographic Science & Engineering* for ten years. An appendix lists published books and papers written by Dr. James, including seven books and well over a hundred articles which have appeared in various scientific journals.

The indexes and references are arranged for the greatest possible convenience of reader and researcher. An extensive Descriptor and Subject Index indexes each article by several descriptors. In the Introduction, the Editor (Richard W. Henn) states as his belief that "the user will most often benefit from browsing among the abstracts for material related to his problem." A particular abstract may be located by referring to the Author Index or to the Descriptor and Subject Index which contains key words and phrases.

This is a book which will be of real value to scholars and students in this field.—*Edit*



OHIO, Sept. 25—The fourth formal meeting of the **Ohio Section** was held at Battelle Memorial Institute in Columbus on September 25. William R. Buccalo opened the meeting at 8:00 p.m.

The program consisted of two papers. The first was read by Dr. George Tressell, Supervisor of the Visual Communication Research Group, Battelle Memorial Institute. Dr. Tressell introduced his talk with a brief discussion of the role of animation of the scientific and educational film. He then showed several examples of the animation done by an automated animation stand and a film describing the stand's mode of operation. A question and answer period followed Dr. Tressell's presentation.

Mr. Richard Sherman, Cinematographer, Department of Photography and Cinema, Ohio State University, presented a paper describing a combination of techniques for filming actual elementary school classes using a cinema-verite style. His talk was illustrated by slides showing the lighting techniques used and film samples

from the production were projected to demonstrate their effectiveness.

Both papers were well received as evidenced by the discussion periods following each talk.

Post-meeting was a tour of the unit facilities at Battelle Memorial Institute.—Robert W. Wagner, *Secretary-Treasurer*, Engineering Experiment Station, Ohio State University, Columbus, Ohio.

CAPE KENNEDY, Sept. 28—A paper was read by Frank J. Eberhardt on "Preparation of duplicate negatives using Eastman's Reversal Intermediate Film." The paper was well received and a lively question and answer period ensued concerning processing chemistry, machine design, and dry box effects. A film entitled, "The Paris Air Show" was shown and this was also enjoyed by the members present. Following the meeting, a cocktail hour and dinner was attended by fifteen members and guests.—Harold P. Bolton, *Chairman*, 400 Ocean Beach Blvd., Cocoa Beach, Fla.