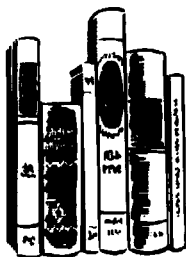


books reviewed



Techniques of Magnetic Recording

By Joel Tall. Published (1958) by the Macmillan Co., 60 Fifth Ave., New York 11. i-xxii + 472 pp. illus. 5½ by 8½ in. Price \$7.95.

This book fills a gap in our literature, since it emphasizes the operational rather than the technical side of magnetic recording.

Joel Tall teaches us many "tricks of the trade" which he has used in operating tape recorders for major networks in the broadcast industry since the earliest days of taped programming in this country. Of special interest are chapters on editing and re-recording, in which he discusses psychological and psycho-acoustic factors that must be taken into account when cutting and splicing a program. Certain "mistakes" that would be disregarded by a beginner can be quite jarring and disconcerting when heard in an edited program. On the other hand, a good editor can correct mannerisms, stammered syllables, etc., to make a smoother, more pleasant program than the original. With the advent of tape editing, artists at recording sessions

are more relaxed than formerly. If a mistake is made, they start over at the last phrase, knowing that the editor will remove the "fluffs."

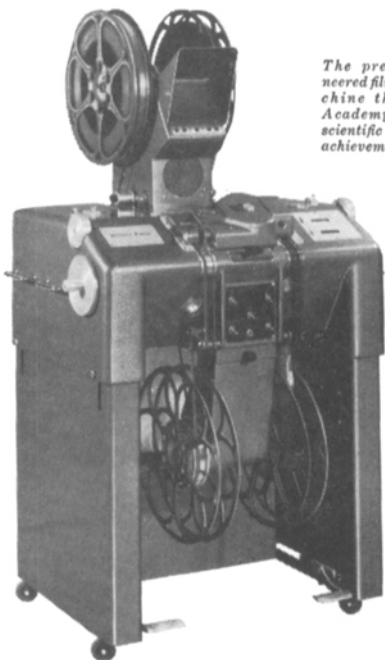
Motion-picture and television techniques are covered in a chapter dealing with synchronous film techniques, double-system and single-system editing, synchronized tape-film systems, 16mm and 8mm film for amateur use, etc. Typical machines and editing procedures are described in detail.

There is an excellent chapter by Professor Peter P. Kellogg on Recording Sound in Nature. Anyone associated with recording in the field or using portable equipment and power supplies will profit through Dr. Kellogg's experience. Another subject treated in this book is legal use of tape recording and Mr. Tall's experience with the possibility of falsified records introduced as legal evidence.

Additional topics of operational interest are Maintenance, Spurious Printing, Radio Broadcasting Practice, Information Recording; Medical, Educational, Home, Telephone, Advertising, and Communication Recording. A limited amount of historical and theoretical material is presented to give a beginner some working knowledge of magnetic recording.

Most users of magnetic recording outside of the research laboratory who are interested in techniques for making good recordings, editing them, and keeping the equipment in excellent operating condition, will profit by the material in this book.—*Marvin Camras*, Physics Research Dept., Armour Research Foundation of Illinois Institute of Technology, 3440 South State St., Chicago.

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Underwater Photography Simplified, 2d ed.

By Jerry Greenberg. Published (1958). Seahawk Products. P.O. Box 1157, Coral Gables, Fla. 46 pp. illus. 5½ by 8½ in. Paper cover. Price \$2.00.

This pamphlet is one of many which have recently appeared on the general subject of underwater photography. It is illustrated with black-and-white photographs. Although not outstanding in photographic excellence, they do illustrate points made by the author very nicely. The booklet seems to combine the fundamentals of black-and-white photography with the fundamentals of safe underwater procedure. An interesting group of illustrations of many of the available underwater still cameras as well as accessory electronic flashes, exposure meters, etc., is included.

The booklet contains a short chapter on the use of color film with available underwater light. It is obvious, particularly from this chapter, that Mr. Greenberg is a most ardent underwater fisherman, but his explanations of the behavior of specific color films and comparisons of various color products leave something to be desired. As is often the case with such publications, there is incomplete knowledge on the part of the writer and so personal opinions are passed along as gospel. This is not intended to be a major criticism of this particular work.

Aside from minor technical inaccuracies, the booklet can probably serve as a very

good guide to the underwater hobbyist if he wishes to add photography to his activities. Since the author sells underwater camera housings through his own firm, it is natural that the booklet is well illustrated with examples of this equipment. He is, however, careful to state the case well for all underwater camera housings. *Norwood L. Simmons, c/o Eastman Kodak Co., 6706 Santa Monica Blvd., Hollywood 38.*

Test Equipment Annual for 1958, published by Howard W. Sams & Co., Indianapolis 5, Ind., contains product listings, including specifications, of over 350 pieces of equipment. The 116-page, 8½ by 11-in., paper-bound volume contains articles and listings under subject headings: General Use of Test Equipment; Test Equipment for Alignment; Test Equipment for Trouble Shooting; Test Equipment for Color TV; Special Application Test Equipment; Test Equipment Maintenance. It is available from the publisher at a price of \$1.00.

Photography in Your Future by A. L. TerLouw, Educational Consultant for Eastman Kodak Co., is a six-page booklet especially valuable to counselors who may be called upon for advice about careers in photography. Applications of photography to science, engineering, industry and commerce are discussed in detail. The booklet is available without charge from Sales Service Div., Eastman Kodak Co., Rochester 4, N.Y.

current literature



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 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. 39, Feb. 1958
 Shooting a Film for the Fair (p. 92) *R. Fernstrom*
 The Cinemiracle Camera and its Development (p. 100) *P. S. Smith*
 What You Can Do with Variable Camera Speeds (p. 108) *J. V. Mascelli*

Audio vol. 42, Jan. 1958
 Amateur Sound Film Equipment (p. 24), *H. Thiele*

vol. 42, Feb. 1958
 Amplifier Performance: Specifications and Evaluation (p. 24) *H. Burstein*
 Simple Electronic Switch for Magnetic Sound System (p. 26) *P. Cremaschi*
 Feedback and Distortion (p. 30) *G. F. Cooper*

Bell Laboratories Record vol. 36, Feb. 1958
 An Experimental Signature-Verification System (p. 41) *F. K. Becker and J. R. Hefele*

British Kinematography vol. 32, Jan. 1958
 The New "Eastman Colour Intermediate Film" (p. 3) *A. F. C. Hirst*
 An Improved Form of Pseudo-Stereophonic Recording (p. 17) *L. F. Rider*

Electronics vol. 31, Mar. 14, 1958
 Etched I-F Amplifier Pares Color TV Cost (p. 135) *L. Ruth*

Hi-Fi Tape Recording vol. 5, Feb. 1958
 The History of Magnetic Recording (p. 21) *M. Mooney*
 First Use of Magnetic Sound on Film (p. 38) *L. A. Lembach*


International Photographer vol. 30, Feb. 1958
 Video Tape Has Come to Stay (p. 5) *L. Schulman*

International Projectionist vol. 33, Jan. 1958
 Preliminary Equipment Inspection (p. 5) *R. A. Mitchell*


vol. 33, Feb. 1958
 Inspecting and Repairing Prints (p. 5) *R. A. Mitchell*
 Strong's New "Blown-Arc" (p. 17)

Journal of the Audio Engineering Society vol. 6, Jan. 1958

Transistorized Magnetic and Photoelectric Input Circuits for Motion Picture Projectors (p. 4) *S. F. Bushman*
 Variable-Speed Scanning of Recorded Magnetic Tapes (p. 26) *W. S. Latham*



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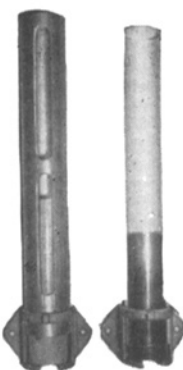
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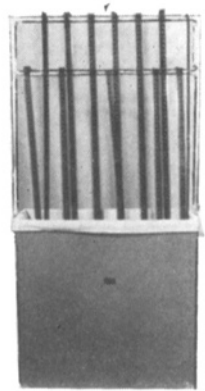
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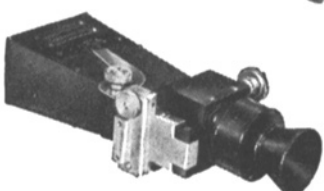
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