

- Smith, Wallace T.**, Field Test Supervisor, Sandia Corp. **Mail:** Ventana Grande, Sandoval, N.M. (M)
- Sorey, Lt. J. H.**, Head, Motion Picture Processing Div., U.S. Naval Photographic Center, Naval Air Station, Anacostia 20, D.C. (M)
- Spruill, Dudley**, Motion Picture Technician, Byron, Inc. **Mail:** 9601 Page Ave., Bethesda, Md. (A)
- Stallings, Peyton M.**, Director, The Calvin Co., 1105 E. 15 St., Kansas City, Mo. (M)
- Strickland, C. Louie**, General Manager, Strickland Film Co. **Mail:** 2592 Christmas La., N.E., Atlanta 6, Ga. (A)
- Takahash, Tom H.**, Photographer, Sandia Corp. **Mail:** 631 W. McKnight, Albuquerque, N.M. (A)
- Tyner, H. P.**, Sound Engineer, RCA Service Co. **Mail:** 1907 McKinney Ave., Dallas, Tex. (A)
- Valentino, Thomas J.**, General Manager, Thomas J. Valentino, Inc., 150 W. 46 St., New York 36, N.Y. (M)
- Varnum, Jennison**, Sound Technician, Radio Station KLAC. **Mail:** 1618 Tulare Ave., Burbank, Calif. (A)
- Ver Halen, C. J., Jr.**, Publisher, Ver Halen Publishing Co., 1159 N. Highland Ave., Beverly Hills, Calif. (M)
- Wagner, Richard J.**, Sound Technician, Paramount Pictures Corp. **Mail:** 5661 Lemon Grove, Hollywood 38, Calif. (A)
- Wallace, Sgt. Melvin**, U.S. Army. **Mail:** 870 E. 170 St., New York 59, N.Y. (A)
- Weiner, James R.**, Chief Engineer, Remington Rand, Inc., Eckert-Mauchly Div., 2300 W. Allegheny Ave., Philadelphia, Pa. (A)
- Wetzel, W. W.**, Technical Director, Minnesota Mining & Manufacturing Co. **Mail:** 725 Ridge St., St. Paul, Minn. (M)
- Wieder, Harold**, Optical Engineer, Radio Corporation of America, RCA Laboratories Div., Princeton, N.J. (A)
- Wooten, Eugene W.**, Studio Relations, Cinecolor Corp. **Mail:** 1331 Monaco Dr., Pacific Palisades, Calif. (M)
- Yuskaitis, Robert J.**, Owner, Eagle Laboratory, 1732 N. Orchard St., Chicago 54, Ill. (A)

CHANGES IN GRADE

- Atkinson, R. B.**, (A) to (M)
- Beard, D. M.**, (A) to (M)
- Bernard, H.**, (S) to (A)
- Blaney, Dorothy**, (A) to (M)
- Flory, John**, (A) to (M)
- Pfahler, R. A.**, (A) to (M)
- Riley, L. W.**, (A) to (M)

Book Reviews

Proceedings of the National Electronics Conference, Vol. 7

Published (1951) by National Electronics Conference, Inc., 852 E. 83 St., Chicago 19, Ill. 736 pp. incl. numerous charts, diagrams and tables. 6 × 9 in. Price \$5.00.

This volume consists of the papers presented at the seventh annual National Electronics Conference held in Chicago in the fall of 1951. The topics presented cover just about the entire field of modern electronics as can be seen by the subsequent listing of subjects, and are extremely timely to anyone working in the field. Your reviewer found at least a dozen papers that had direct bearing on immediate problems.

The subjects covered include servo theory, electron tubes, information theory, audio systems, signal detection, components, high-frequency measurements and

propagation, computers, magnetic amplifiers, circuit analysis, industrial electronics, television, and medical applications.

The editors of the volume are to be commended for a fine job in taking the numerous papers from different authors on various topics and organizing them so as to maintain continuity, especially in style. This represents a continuation of the good work done in the previous volumes of this series.

The book is printed clearly and the illustrations are very legible.

This well prepared and edited volume of the Conference papers will serve either as a well reported summary to those who were unable to attend the meeting, or as a convenient reference volume for those who were there. It would be very desirable if other major conferences would publish similar proceedings.—*H. I. Zagor*, General Precision Laboratory, Inc., Pleasantville, N.Y.

Professional Training of Film Technicians

By Jean Lods. Published (1951) by UNESCO, Paris. Distributed in U.S.A. by: Columbia Univ. Press, 2960 Broadway, New York 27, N.Y. 155 pp. $8\frac{3}{8} \times 5\frac{1}{4}$ in. Price \$1.00.

A valuable addition to the Press, Film and Radio Series of studies sponsored by the United Nations Educational, Scientific and Cultural Organization, this brochure surveys a field whose importance has only recently been recognized in this country.

Its author is a distinguished French film director, cofounder and Deputy Director-General of the *Institut des Hautes Etudes Cinématographiques*, a Government-subsidized postgraduate school devoted to the teaching of film aesthetics and crafts.

In the ten countries investigated, states Mr. Lods, "professional training is directly conditioned . . . by the situation, organization and tendencies of the national film industry." The latter, he finds, is divided into three main types, depending on the degree of government control.

This control may vary considerably, but the author points out the universally admitted fact that "the quality of national film production is a matter of concern to the entire country." Therefore, national prestige is closely related to the competence of film technicians and their professional training.

In this respect, the high standards of the French *Institut* can be judged by the following question asked at the competitive entrance examination for art directors: "Voltaire's 'smile' is often mentioned. Define and analyze this smile on the basis of *Candide*. Relate it to a frame of mind generally characteristic of the 18th century."—*George L. George*, Screen Directors Guild, 133 E. 40 St., New York 16, N.Y.

Fluorescent Lighting

By W. Elenbaas, J. Funke, Th. Hehenkamp, L. C. Kalf, A. A. Kruithof, J. L. Ouweltjes, L. M. C. Touw, D. Vermeulen and R. Van Der Veen. Edited by C. Zwikker. Published (1952) by N. V. Philips' Gloeilampenfabrieken, Eind-

hoven, Netherlands. Distributed in U.S.A. by Elsevier Press, Inc., 402 Lovett Blvd., Houston 6, Tex. i-x + 244 pp. + 4 pp. index. 180 illus. + 23 photos. 6×9 in. Price \$6.25.

The book reviews the scientific fundamentals of the design and operations of fluorescent lamps and accessory equipment, in terms of types and sizes used in Europe. Chapters on fixtures and fluorescent lighting applications are likewise a report of European practice.

The section on color and color renditions is a good summary of the fundamental technology involved. The spectral data on fluorescent sources, however, are based on lamps manufactured in the Netherlands. Motion picture and television engineers will find the book a convenient way to compare European practice with U.S. practice as reported in books and periodicals published in this country.—*C. L. Amick*, Lamp Div., General Electric Co., Nela Park, Cleveland 12, Ohio.

The Recording and Reproduction of Sound (2d ed.)

By Oliver Read. Published (1952) by Howard W. Sams & Co., Indianapolis 1, Ind. i-xv + 708 pp. + 70 pp. appendix + 10 pp. index. 708 illus. 6×9 in. Price \$7.95.

This volume contains a large amount of information which should be of interest to audio hobbyists and engineers in audio and related fields. The sections on disc recording and reproducing systems are quite complete and magnetic recording is also covered in considerable detail, although no mention is made of recording on "stripe" tracks on 8mm or 16mm films. Photographic recording is barely mentioned. Public address amplifiers and sound systems are treated at some length, as are microphones and loudspeakers.

Much space is given to reprints of manufacturer's bulletins, which may be of interest to those using the particular equipment described. The NARTB Disc and Magnetic Recording Standards are reproduced in full and numerous tables and glossaries add to the usefulness of this enlarged edition.—*Clyde R. Keith*, 5 North Ter., Maplewood, N.J.