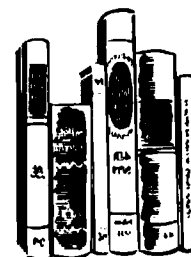


WASHINGTON, D.C., Feb. 8—Two Eastman Kodak scientists presented papers at the meeting of the **Washington, D.C. Section**. Forty-five persons attended the meeting held at the National Academy of Sciences.

Raymond Wolfe first described the new method of processing Eastman Color Inter-negative and Print Films by application of thin coatings of viscous solutions. Wolfe's presentation was accompanied by demonstration films comparing results of the new process with results of the conventional deep-tank system.

D. H. Horton discussed the characteristics of two new high-speed Ektachrome motion-picture films, Types 7241 and 7242. He emphasized that these new films will have wide application in the color television news, sports, industrial and educational fields. Using film-clip comparison, it was shown that there is an improved sharpness, grain and color rendition in the new film stocks without a sacrifice of speed.

A short question-and-answer period followed each paper, after which refreshments were served compliments of the Eastman Kodak Co.—Edward L. Janow, *Secretary-Treasurer*, 2719 Birdseye La., Bowie, Md.



## books reviewed

### Errata

The last paragraph of the book review by Pierre Mertz on *Electrophotography* (*Journal*, pp. 62 and 64, Jan. 1966) was in the editorial work of page make-up incorrectly placed at the end of his book review of *Modern Optics* (p. 64). The review of *Electrophotography* should have ended as follows:

"One can certainly say that the book is a necessary text to any person who is involved in electrographic processes, copying machines, or related portions of the art.—*Pierre Mertz*, Consultant, 66 Leamington St., Lido Beach, L.I., New York 11561."

Dr. Mertz's review of *Modern Optics* should have ended with the following paragraph:

"All in all, the book will be found useful not only for self-study but for general reference. Even where other reference books are handy, differences in treatment can elucidate occasionally puzzling points. All this is assuming that the reader can afford these costly books.—*Pierre Mertz*, Consultant, 66 Leamington St., Lido Beach, L.I., New York 11561."

### Xerography and Related Processes

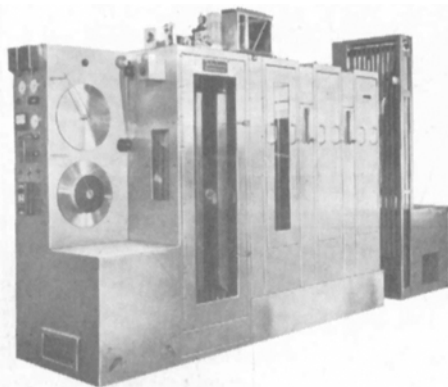
By J. H. Dessauer and H. E. Clark. Published (1965) by Focal Press, Inc., 20 E. 46 St., New York, N. Y. 10017. 520 pp. Illus. Diagrams. 9½ by 7 in. Price \$38.00.

The Introduction to *Xerography and Related Processes* states: "The contributions assembled here comprise the first book on the new technology of xerography. In important respects xerography is unique as a modern invention. It is clearly and unequivocally the creation of one man, Chester F. Carlson. In this creation he synthesized a method of photo-reproduction which invoked for the purpose obscure phenomena, neglected separately, and never conceived of as capable of functioning usefully in the forms or combinations he proposed."

However the above may be, in more recent times there have been a great many others who have contributed to the art. The literature in this field is burgeoning. (See a review of another Focal Press book, *Electrophotography*, in the January *Journal*, pp. 62-64.)

The book consists of papers contributed by members of the staffs of the Research and Engineering Division of Xerox Corp. and the Applied Research Division of Battelle Memorial Institute. With the exception of the first and last chapters of the book (*History of Electrostatic Recording*, by Chester F. Carlson; and *Some Applications*

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R-60S	Rev. & Neg/Pos.	B&W	16mm	60-100FPM
316DS	Neg/Pos.	B&W	16mm	60-100FPM
*ND100	Neg/Pos.	B&W (TV News)	16mm	60-85FPM
NP36	Neg/Pos.	B&W	16mm	90FPM
S-90	Neg/Pos.	B&W Spray	16/35	90FPM
S-120	Neg/Pos.	B&W Spray	16mm	135FPM
S-150	Neg/Pos.	B&W Spray	16/35	160FPM
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of Xerography, by J. T. Bickmore, C. R. Mayo, G. R. Mott and R. G. Vyverberg) the book is not for the layman. Rather, it is directed to the scientifically oriented person whose background includes more than an elementary knowledge of solid-state physics and photoconductivity.

Profusely illustrated and with impressive literature references at the end of each chapter, the book would seem to have considerable importance for researchers and students interested primarily in the scientific aspects of this new technology.

Chapters, contributed by specialists in the particular field discussed, include: I. History of Electrostatic Recording; II. Introduction to the Xerographic Process; III. Properties of Amorphous Photoconductors; IV. Xerographic Photoreceptors Employing Selenium; V. Xerographic Properties of Photoconductor Binder Layers; VI. Organic Photoconductors; VII. Charging Photoconductive Surfaces; VIII. Electrostatic Fields of Xerographic Images; IX. Development of Electrostatic Images; X. Characteristics of Cascade Development; XI. Aerosol Development; XII. Liquid Development; XIII. Imaging by Plastic Deformation; XIV. Principles of Image Transfer and Fixation; XV. Electrostatic Image Transfer From Photoconductive and Metallic Surfaces; XVI. Applications of Electrostatic Image Transfer; XVII. Miscellaneous Electrostatic Imaging Phenomena; and XVIII. Some Applications of Xerography.—*Ben Thompson*, Printing Section, United Nations, New York, N. Y.



Abstracts of papers appearing in other journals chosen for their importance and possible value to researchers as well as those of timely interest, are published in the *Journal* from time to time. Many translations of abstracts from foreign journals, chiefly those of the USSR, are made available to the *Journal* by the Research Laboratories of the Eastman Kodak Company. As a rule, translations are made of the abstracts and not of the papers. The journals in which the papers appear can be consulted at some libraries. Current issues of *Tekhnika Kino i Televidinye* can be consulted at, or borrowed from, the Society's Headquarters Office.

Those requiring definitive and thorough searches of current literature and patents are referred to *Abstracts of Photographic Science & Engineering Literature (APSE)*, published monthly by the Engineering Index, Inc., 35 E. 47 St., New York, N.Y. 10017, with the editorial cooperation of the Society of Photographic Scientists & Engineers.

(Although, normally, the abstracts appearing in this column cover a wide range of subject areas, papers in journals currently examined relate to various aspects of sound

recording and reproduction and television; therefore, it has seemed feasible to limit abstracts appearing in this issue of the *Journal* to those of papers dealing with those subjects.)

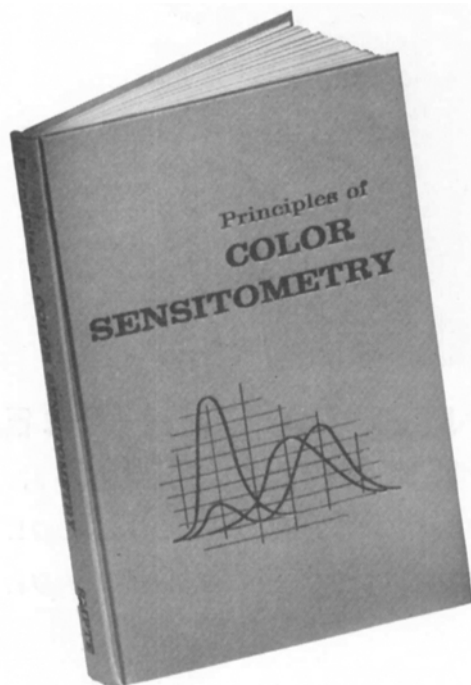
#### SOUND RECORDING AND REPRODUCTION

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