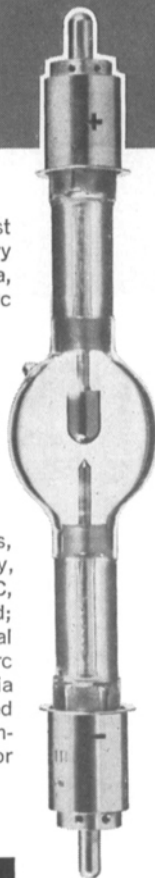


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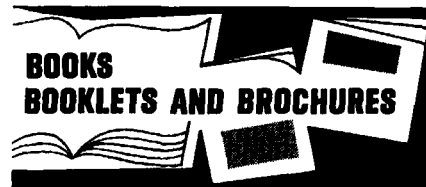
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The delegation became acquainted with the scientific research laboratory for ciné photo materials of the Du Pont Company at Parlin, N.J., and with representatives of Eastman Kodak in Los Angeles and New York. A visit to the Kodak plant at Rochester was arranged. The delegation also became acquainted with the activities of the SMPTE.

Reception of the delegation was well organized, businesslike and friendly.

Heading the hosts for the delegation were SMPTE Vice-Presidents Deane R. White (Du Pont) and Ethan M. Stifle (Kodak). John Osborne, of the U.S. State Department, accompanied the delegation. William Gephart, President of General Film Laboratories, was the manager of the reception group in California, assisted by Sidney Solow, General Director of Consolidated Film Industries, and many other workers in American cinematography who contributed toward the better organization of the delegation and visit. The members of the delegation extend to them their deep thanks for this.

The ciné specialists delegation prepared a series of reports on the results of their trip to the United States for NIKFI, the plants of the ciné industry and the Union of workers in cinematography.



World Radio and Television: Published (1965) by the United Nations Educational, Scientific and Cultural Organization, Place de Fontenoy, Paris-7, France; and the Unesco Publications Center, 317 E. 34 St., New York, N.Y. 10016. 160 pp. 6 by 9½ in. Paperbound. Price \$3.50.

Television and radio facilities in nearly 200 countries are described in this excellent reference book. Statistics are presented in easy-to-read form so that the reader can determine at a glance the population of any given country, the number of television and radio transmitters and receivers in that country, and the number of receivers per 100 people. Significant facts are given for each country, including the date when the first station went on the air, stations presently operating, and other relevant items which indirectly give considerable insight into social and political trends.

In addition, an overall discussion contains many unusual little nuggets of information. For example, almost half the television and radio sets in the world are in the United States, but the country with the highest concentration of TV receivers is Monaco. There are more than 52 sets per 100 people in that tiny principality, compared to 33 per 100 in the United States. Another possibly little-known fact is that Communist China is one country where heavy emphasis is placed on television

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teaching. Although there are only 20,000 receivers in the sprawling country, there are five "television universities" serving more than 30,000 students with eight hours of courses weekly in mathematics, physics, chemistry and Chinese literature.

Among developing countries, television, where it exists, is heavily employed for educational purposes. Among more advanced countries emphasis, in recent years, in television has been on international program cooperation. This has been somewhat hindered by the existence of four different systems of reception (525 lines in most of North America and Japan, 405 lines in the United Kingdom, 625 lines in the Soviet Union and most of Eastern

Europe, and 819 lines in French-speaking areas).

Although much of the information presented may be available from various other sources, or in some instances might be described as the type of information "everybody knows," the main advantage of this book is that of having so much information so clearly presented in such a compact and easy-to-find form.

How to Obtain Information From U.S. Patents is a 22-page illustrated booklet available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, at a price of 20 cents.

More than 3 million U.S. patents have been granted and about 1,000 new patents each week are added to this accumulation. The purpose of this booklet, in addition to presenting general information about patents, is to acquaint the reader with methods of finding and identifying patents of particular interest. Part I of the booklet contains general information about patents. Part II explains methods of learning about patents in any particular field. Part III takes up the process of searching, which is undertaken, among other purposes, to find out if an invention or innovation is patentable or if it would infringe a patent owned by someone else. The ideal place to make a patent search, according to the booklet, is the Public Search Room of the Patent Office in Washington, D.C. Part IV of the booklet lists sources of information, including libraries that regularly receive the weekly issues of the *Patent Office Official Gazette*.

Advertiser Practices in the Production and Distribution of Business Films, published (1965) by Association of National Advertisers (ANA), 155 E. 44 St., New York, N.Y. 10017, was prepared under the auspices of the ANA Audio-Visual Committee. It is available from the publisher at a price of \$5.00. The report (62 + vi pp.) is based on a survey of 209 business films. Only films currently in distribution and intended for outside audiences were analyzed. A sampling of survey findings shows that most business-sponsored films currently in distribution are 16mm sound productions in color and run between 15 and 30 min. More than one-half of the films surveyed were produced with the primary objective of complementing the company's advertising by promoting a product or service. Nearly one-third of the films were shown on television and 7% were distributed for theatrical showings. About 90% of the films were distributed nationally throughout the United States and about 55% were shown in foreign countries. About one-third of the productions were found to be in distribution with more than 100 release prints and the median number of prints per film came to 47.

Electronic Properties of Materials: A Guide to the Literature, edited by H. Thayne Johnson, Head of the Electronic Properties Information Center (EPIC), Hughes Aircraft Co., is available from the publishers, Plenum Press, 227 W. 17 St., New York, N.Y. 10011, in a two-volume set priced at \$150. The two-volume book contains nearly 2,000 pages, is thumb indexed, hardbound, measures 8½ by 11 in. and is reproduced largely from computer printout. It is designed to serve as a convenient and comprehensive guide to sources of experimental data on electrical and electronic properties of nearly 10,000 materials as reported in the international literature. In preparing the Guide, a team of scientists under the direction of Mr. Johnson considered more than 150,000 articles for referencing. Of these, 50,000 were examined in their entirety and about 13,500 were selected as being best slanted toward electrical and electronic applica-

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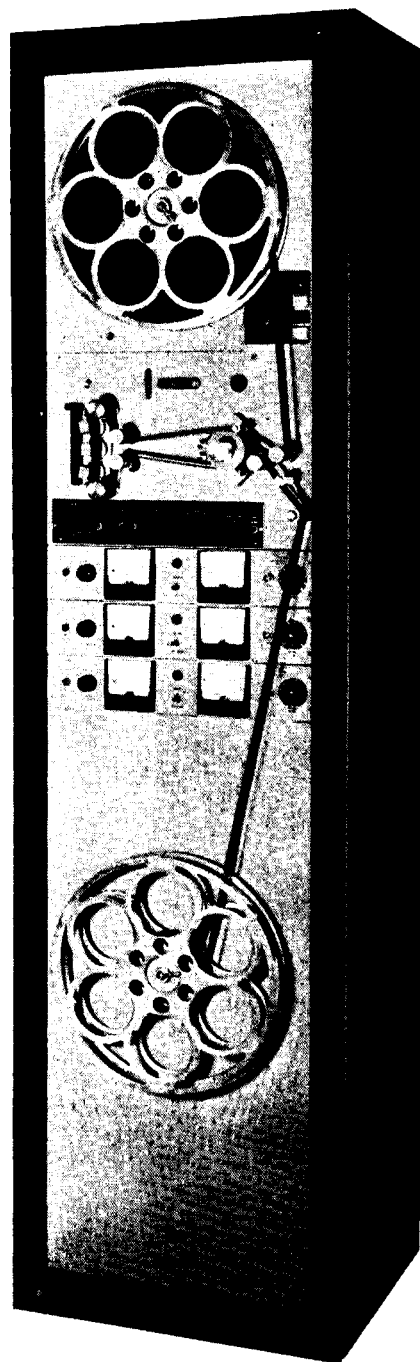
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tions. Nine major categories of materials are included: semiconductors, insulators, ferroelectric materials, metals, ferrites, ferromagnetics, electroluminescent materials, thermionic emitters and superconductors.

Color Slides From Black-and-White Materials (Periodical No. T-91-65-1) is one of the booklets in the series *Audiovisual Notes From Kodak*. The booklets appear three times a year and are available from Motion Picture and Education Markets Div., Eastman Kodak Co., Rochester, N.Y. 14650. The series is designed to help specialists in education, industry and the government keep in touch with new developments in the audio-visual field. In addition to explaining how to make color slides from ordinary typing or a drawing on white paper ("The basic ingredients are Kodak Ektachrome-X Film (or similar color reversal material) and a colored filter."), the illustrated booklet contains a paper by Jacques D. Van Vlack on "The Motion Picture as a Research Tool," as well as other informational material.

The 1965 IEEE International Convention Record contains 3,000 pages containing all available papers presented at the Convention which was held in New York in March. The Record is issued in 13 parts which can be purchased separately. The entire Record is priced at \$66 to nonmembers and \$22 to members of the IEEE. Subjects covered in the 13 parts include: Wire and Data Communication; Radio Communication, Broadcasting, Audio; Computers; Aerospace, Military Electronics; Antennas, Microwaves, Electron Devices; Automatic Control, Systems Science, Cybernetics, Human Factors; Circuit Theory, Information Theory, Basic Sciences, Electrostatic Processes; Industry and General Applications; Power; Components, Production, Reliability; Instruments, Measurements, Industrial Electronics, Nuclear Science, Ultrasonics; Bio-medical Engineering; and Education, Management, Writing and Speech. The Record or any of its 13 parts is available from Convention Record Order Department, Institute of Electrical and Electronic Engineers, Inc., 345 E. 47 St., New York, N.Y. 10017.

Reproductions from the Arriflex-at-Work series are contained in a 10-page brochure available upon request from Arriflex Corp. of America, 257 Park Ave. South, New York, N.Y. 10010. Each reproduction includes photographs and descriptions covering special techniques or solutions to special problems. Examples include cinematography, macrophotography, time-lapse studies, industrial testing and documentation, surgical and other medical photography, multiscreen systems, underwater filming, wild life photography, and others.

Quick Reference Guide 86-617 for military and industrial cathode-ray tubes is available from Westinghouse Electronic Tube Division, Elmira, N.Y. The 4-page leaflet gives mechanical and electrical characteristics, including dimensions, typical operating conditions, and resolution

capabilities. Tubes listed are rectangular types, plus round-face types ranging in face size from 1 in. to 16 in. in diameter.

A brochure describing the Prontor-Press electronic shutter produced by Prontor-Werk Alfred Gauthier GmbH, 7543 Calmbach, Germany, is available from the company's representatives in the United States, Geiss-America, Inc., 6901 North Hamlin Ave., Chicago, Ill. 60645. The shutter is reported to provide electronic control of exposure times from 1/125 sec to 32 sec. The shutter is designed for such applications as document copying, microscopy and other studies requiring the aid of photography.

A catalog listing motion picture and sound equipment is available from Behrend's, Inc., 161 E. Grand Ave., Chicago, Ill. 60611. The 125-page catalog lists thousands of professional motion-picture and sound equipments. In addition the catalog provides a list and prices of rental equipment available from the firm.

A catalog describing varieties of controlled motor speed available with the combined use of a 1/20 hp Bodine motor, an Apcor multi-ratio speed reducer and a Heller motor controller is available from B & B Motor & Control Corp., 96 Spring St., New York, N.Y. 10012. The controller, a solid state silicon type, permits full control and torque through the entire range with 5% regulation. Dynamic braking and reversing are accomplished by switches. The speed reducer is the 10 ratio type which permits exactly reproducible speeds.

Semiconductor Network Analysis and Design, by Vasil Ozunoglu, (363 pp. plus index; 421 illus., 6 by 9 in.; published 1964) is available from McGraw-Hill Book Co., 330 W. 42 St., New York, N.Y. 10036, at a price of \$12.50. The book is intended to provide a clear understanding of semiconductor device operation by stressing the concepts of active devices in connection with their associated passive networks and relating these concepts in an effective way with semiconductor circuit and network operation. Recent advances in the field include distributed parameters in semiconductors, pole-zero method in the design of transistor amplifiers, root locus method for the design of transistor feedback amplifiers, negative-resistance devices, active RC filters and equivalent circuits including the effect of the electric field in the base.

A Microwave Tube Price List is available from JSH Electronics Co., 8549 Higuera St., Culver City, Calif. 90231. The 4-page list covers more than 1,000 types from more than 30 manufacturers.

Video-tape recording equipment is illustrated and described in the January 1965 issue of *Playback*, available from 3M Company, Dept. N5-199, 2501 Hudson Rd., St. Paul, Minn. 55119. The bulletin also contains material of interest to individuals dealing with the development and production of TV commercials and program material.