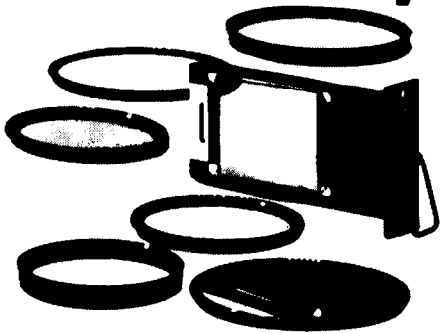


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NEW PUBLICATIONS

Book Reports

A Method for Assessing the Quality of Daylight Simulators for Colorimetry, CIE Publication No. 51, is available from Dr. Klaus D. Mielenze, Secretary, U.S. National Committee, CIE, National Bureau of Standards, Washington, DC 20234, at a price of \$24.

The report, in English, was produced by members of CIE Technical Committee 1.3 (Colorimetry), which has representation from 25 countries. The report presents a method for evaluating the suitability of a test source as a simulator of CIE Standard Illuminant D₅₅, D₆₅, or D₇₅. For each of these three standard illuminants, spectral radiance factor data are supplied for five pairs of nonfluorescent samples that are metameric matches. The colorimetric differences of the five pairs are computed for the test illuminant; the average of these differences is taken as the Visible Range Metamerism Index, and this is used as a measure of the quality of the test illuminant as a simulator for nonfluorescent samples. For fluorescent samples, the quality is further assessed in terms of an Ultraviolet Range Metamerism Index. This consists of the average of the colorimetric differences computed with the test illuminant for three further pairs of samples, each pair consisting of a fluorescent and a nonfluorescent sample that are metameric under the standard illuminant.

The Proceedings of the 19th Session of the International Commission on Illumination (Commission Internationale de l'Eclairage, CIE), held in Kyoto, August 21-28, 1979, have been published as CIE Publication No. 50. The publication includes the minutes of opening and closing plenary meetings, an invited lecture, "The Traditional Culture of Japan," by Mitsukuni Yoshida, 6 general papers, and 76 papers dealing with research in the lighting field in different countries. Copies of CIE Publication No. 50 are available from the U.S. National Committee, CIE, c/o National Bureau of Standards, Washington, DC 20234. The price of publication No. 50 is \$115.

Animation: A Reference Guide. By Thomas W. Hoffer. Published (1981) by Greenwood Press, 88 Post Road West, Westport, CT 06881. 385 + xiv pp. Price, \$35.

The book opens with an historical review of animated film from its beginnings in the 1890's, covers the introduction of sound and the postwar age of television, and includes a full description of the current use of electronic and computer technology. It offers a comprehensive review of the most

significant literature on animation, including encyclopedias, dictionaries, and other reference books, bibliographies, histories, criticism, and treatments of the political and social aspects of the medium. A separate section is devoted to specific works on the four major areas — cel, object, drawing on film, and computer animation.

Appendixes provide an animation chronology as well as listings of major centers, films, periodicals, newsletters on animation, and reports published between 1906 and 1979.

Editing Systems (Videotape) U.S. Market Opportunities. Published by Strategic Inc., 4320 Stevens Creek Blvd., Suite 215, San Jose, CA 95129. Price, \$1,200.

The report includes product and market data current through December 1981. The report notes sales of \$23 million for electronic editing systems (nonconsumer, nonmilitary) and predicts that annual sales will rise to over \$100 million in 1989. Average unit prices (in 1980 dollars) will decrease during the decade due to competitive pressure, lower cost microprocessors, improved capabilities of small-format VTRs, and proliferation of off-line editors. However, large-scale systems will be more expensive, as a result of the incorporation of sophisticated switchers, DVEs, still store devices, etc., into the editing system itself.

The report shows that 1981 was an excellent year for large-scale system manufacturers as broadcast production became increasingly sophisticated but that manufacturers of medium-scale systems had a very disappointing year.

The comprehensive study analyzes the three categories of editing system equipment (large-, medium-, and small-scale), their usage and technology, and it forecasts their growth by market segment (broadcast, business/industry, cable, production houses, and institutions) and equipment category.

Competitive analyses of 15 manufacturers are included. A section on product and market opportunities is included along with suggestions about the best strategies for entering the market.

Introduction to AV for Technical Assistants. By Albert Casciero and Raymond G. Roney. Published (1981) by Libraries Unlimited, Inc., P.O. Box 263, Littleton, CO 80160. 250 pp. Price in the United States \$23.50 hard cover and \$16.50 paperbound. Prices, other than in the U.S., are \$28 and \$20, respectively.

The book is planned as a handbook covering the basic organizational, administrative, and production techniques needed

by the person involved in the day-to-day operation of an audiovisual center. Part I contains a general survey of materials, personnel, and facilities and is illustrated by photographs, charts, and diagrams. Parts II and III introduce current technology in the production and presentation of visual displays, still photography, audio recordings, videotapes, graphics, and projected materials. A glossary of terms helps familiarize the reader with the special terminology.

The book is an up-to-date manual intended to be useful to the experienced practitioner as well as to the student.

Home Video Yearbook 1981-1982. Published (1981) by Knowledge Industry Publications, Inc., 701 Westchester Ave., White Plains, NY 10604. 264 pages, 38 statistical tables and charts, index. Price, \$75.

The Home Video Yearbook reports an estimated \$3.76 billion spent in the United States during 1980 and predicts that by 1985 expenditures will have reached \$12.5 billion. The U.S. market is only a part of the worldwide boom in cable TV, video hardware, and programming, according to the *Yearbook*, which also points out that German consumers spent \$440 million on video in 1980 and that Japanese consumers are buying videocassette recorders at the rate of 1.3 million per year.

In addition to detailing sales and revenue figures for all home video segments, the *Yearbook* forecasts which sectors will experience the most rapid growth, presents chronological highlights of major events in individual spheres, and provides five-year financial summaries for more than 85 companies involved in cable TV, video hardware, programming, and services. Most chapters contain directory sections giving names, addresses, and other pertinent information for product manufacturers, advertisers, information providers, producers, and distributors.

Books, Booklets, Brochures

Videodisc/Videotex Magazine, a quarterly devoted to the reporting and critical analysis of research and developments in videodisc, videotex, and related video technologies, is available from Microform Review, Inc., 520 Riverside Ave., Westport, CT 06880, at \$52 for a year's subscription. The magazine's content is international in scope and includes reports on activities in the United States, Canada, England, and other countries.

An 8-page product guide to professional and closed-circuit television equipment is available upon request from Link Electronics Ltd., North Way, Andover, Hampshire, England SP10 5AJ. Products described include color and monochrome cameras, mobile television units and studio equipment, communications equipment, distribution systems, pulse generators, coder and decoders, and test equipment.



News team at UN Headquarters, NY.

or
EFP.



Photo: Richard Howard

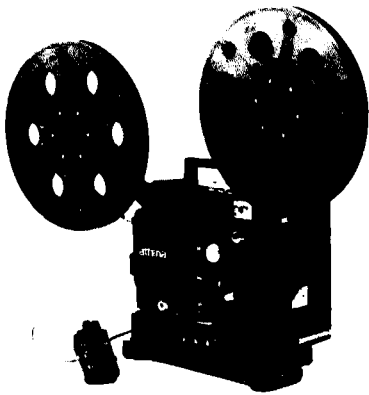
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A 48-page catalog listing more than 70 products including oscilloscopes, frequency counters, and video and audio test instruments is available upon request from Leader Instruments Corp., 380 Oser Ave., Hauppauge, NY 11788. The catalog includes detailed descriptions, specifications, photographs, charts, and illustrations. New products listed in the catalog include a vectorscope with CRT generated vector targets, an x-y display module that can be customized to O.E.M. user requirements, and a CRT display designed for use in microwave swept frequency measurements.

The SL-2000, a fiber optic video/audio/data transmission system, is described and illustrated in color in a 6-page brochure available upon request from Artel Communications Corp., P.O. Box 100, West Side Sta., Worcester, MA 01602. The modular SL-2000 is capable of simultaneously transmitting video, audio, and data over a single fiber. It can self-monitor and self-test on-line without extra test equipment. CBS News used the SL-2000 system to cover the second space shuttle landing.

Ultimatte-4, a video matting device, is described in a 4-page brochure available from Vlahos-Gottschalk Research Corp., 18607 Topham St., Reseda, CA 91335. Ultimatte-4 provides composites without blue halos or flare, matte lines, or edging. It also offers black logic, shadow control, blue reproduction, white-on-white without outline, the elimination of support wires, and other features.

The DS-50 real time digital video image processor is described in an illustrated leaflet available from Quantex Corp., 252 N. Wolfe Rd., Sunnyvale, CA 94086. The leaflet illustrates all of the image processing functions in the DS-50 that make it possible to automate many classes of video image processing in real time without software. It also provides illustrations of transient image capture (events as short as 50 picoseconds in duration) and amplitude windowing and contouring.

Professional audiovisual cassette products are described and illustrated in a four-color gatefold brochure available from Sharp Electronics Corp., 10 Keystone Pl., Paramus, NJ 07652. Key operational and design features for each product are included. Also included is a product comparison specification chart for handy reference.

A 35-mm high speed power rewinder and visual inspection table is described in an illustrated data sheet available from Research Technology International, 4700 Chase, Lincolnwood, IL 60646. It can operate at speeds up to 2000 ft/min in forward or reverse. Features include solid state chassis and direct drive motors.

Signal Source 1208, a general purpose pattern generator, is described in an illus-

trated data sheet available from Visual Information Institute Inc., Box 33, Xenia, OH 45385. The 1208 offers a set of test functions (bar, dot, H & V bar, window, H & V stripe, flat field, gray scale, resolution, character Cx, and color bars) for all types of television testing. The built-in selectable scan rate sync generator permits instant selection of scan rate. Flexibility in resolution modes provides testing from 100 to 1000 TV lines in burst, continuous, of multiburst format.

The Professional Industrial Products Catalog is available from TDK Electronics Corp., 755 Eastgate Blvd., Garden City, NY 11530. The catalog, in a three-ring binder, contains four-color technical specification sheets on the corporation's audio and visual industrial products. Each product sheet contains information on product usage, physical properties, running times, and bid specifications. Each product group is tabulated in separate sections for easy reference. The catalog also contains separate sections on policies and prices.

Specialized video instruments designed for slow scan TV telecommunications, computer/video input/output, measurement, and analysis are described in the short-form catalog available from Colorado Video, Inc., Box 928, Boulder, CO 80306.

Memo to Members: Have You Signed Up A New Member Lately?



As one who has chosen to belong to SMPTE, you are aware of the benefits of SMPTE membership. Among these benefits are the prestige of being associated with the world's premier professional organization in the fields of motion pictures and television, the monthly *SMPTE Journal*, the local section meetings, and the annual conferences and equipment exhibits. If you know someone who meets SMPTE's requirements, you can offer to sponsor him or her for membership. This is the best way to help strengthen the Society and point someone toward increased professional growth. Applications are available from SMPTE Membership Dept., 862 Scarsdale Ave., Scarsdale, NY 10583.