

Industry News & Educational Activities

Joseph A. Flaherty Honored at Montreux

Joseph A. Flaherty, Vice-President of Engineering and Development at CBS Television Network, was honored with the Montreux Achievement Gold Medal of the International Television Symposium, presented 27 May in Montreux, Switzerland. The Gold Medal was awarded to Flaherty "for the development of the concept and the operational implementation of electronic newsgathering." ENG was first used by CBS News in 1971 and is currently widely used by CBS News and CBS Television Network stations in their news operations as well as being widely used throughout the world.

The Montreux Gold Medal Award, presented every two years at the International Television Symposium honors an outstanding personal achievement in the development of new techniques or equipment that have contributed significantly to the improvement of television broadcast engineering.

Flaherty has been honored in the past for his pioneering role in the development of television technology by the SMPTE which awarded him the David Sarnoff Gold Medal in 1974 for progress in television engineering, and he has accepted Emmy Awards to CBS in 1969 and 1975 for the Minicam color camera and electronic newsgathering.

Pablo Weinschenk-Tabernero is Appointed Associate Editor

Pablo Weinschenk-Tabernero, whose career in the motion-picture technologies spans four countries, three continents, and well over 50 years, has assumed the full-time duties of Associate Editor of the *SMPTE Journal* effective 1 July 1979. In order to do so he is relinquishing his position as Motion-Picture Engineer on the Headquarters Staff, and that Engineering Department position is temporarily vacant.

Pablo's experience in the field dates from the years in Germany when sound was first added to motion pictures. Having considerable prescience and a strong instinct for survival, he left Germany for Spain in 1933. Within five years, the Spanish Civil War erupted and it was time to emigrate again, this time to Argentina.

In Argentina, he rapidly achieved a position of importance as a Director of Photography with about 50 full-length features to his credit. For more than a quarter century there he was involved with camerawork, lighting, film processing — almost everything but acting. In 1947 he won the Silver Condor, Argentina's equivalent of the Oscar, for best photography of the year.

During the last ten years of his stay in Argentina he became Technical Director of Laboratorios Alex S.A., one of Latin America's most important film processing plants. Simultaneously during those years he held the post of Associate Professor for Motion Picture Technology at the Motion Picture Department of the School of Fine Arts, University of La Plata.

On coming to the U.S. in 1967, Pablo first

worked as an optical designer with Movielab in New York City but shortly began helping the *SMPTE Journal* staff with free-lance writing, editing, and translating. He became a member of the *Journal* Board of Editors in 1968. On joining the Headquarters staff in 1970, he was at first Conference Technical Programs Coordinator, Assistant Staff Engineer, and later Motion-Picture Engineer. In 1976, in New York, he was elected a Fellow of the Society.

Pablo is a near-inexhaustible source of information on the history and technology of making motion pictures. Many authors — members of the Society and others — have appreciated his help in editing and friendly criticizing of their papers so that the published result is a credit not just to the author and the author's company but to the Society and the industry as well.

The Editorial staff is pleased to have Pablo now full-time as Associate Editor. — D. H.

Arriflex Corp. has moved its west coast operation to a newly constructed building at 600 N. Victoria Blvd., Burbank, CA 91502. The new facilities are about four times the size of the former ones in order to accommodate expansion of products and services.

Compact Video Systems Inc., of Burbank, Calif., which was recently established to design and construct television studios for the broadcast and industrial markets, has announced that it will design and construct remote facilities for the Entertainment and Sports Programming Network (ESPN) of Plainville, CT 06062. Transmission of sports programming via satellite has been scheduled by ESPN to begin in September. ESPN will generate original programming for this network, including coverage of NCAA (National Collegiate Athletic Association) events to cable television systems across the United States. Compact Video will be involved in the construction of a broadcast studio in ESPN's new headquarters, now under construction in Bristol, Conn.

A 16-picture mosaic system applying charged coupled device memories, has been developed by Barco Electronic, Noordlaan 5, Industriezone, B-8720 Kuurne, Belgium. It processes 16 independent nonsynchronous video signals derived from various sources and delivers one composite master video signal for display on a single monitor in a 4 × 4 format.

This has applications in CATV stations where up to 16 incoming programs can be monitored for disturbances and failures. Furthermore, one channel can be reserved for the transmission of the picture mosaic to offer the subscriber a survey of the programs being transmitted on other channels. An optional speech generator may be built in. This generator together with a visual indication can announce a four-character code of the indicated program on the sound carrier of the channel used for the mosaic picture, providing additional information to the subscriber.

In closed circuit television applications, 16

locations can be monitored on a single screen. A picture selector allows one picture of the mosaic to be selected for full screen display.

Digital Optical Technology Systems of Amsterdam, The Netherlands, and **Ancom Company**, Scarsdale, N.Y., have jointly announced the installation of a 3-dimensional electronic stereoscopic color television system. According to the announcement, it will enable the broadcast of 3-dimensional pictures for viewing, with special glasses, on conventional home-television sets. Transmission is said to be compatible with all world broadcasting standards.

Richard N. Lawrence has been named General Manager of **Lenco, Inc.**, Electronics Div., 300 N. Maryland St. Jackson, MO 63755. He has been with Lenco since 1975. In his new post he will be responsible for all activities of the division which manufactures video terminal and test equipment, including professional monitors.

Clyde W. Smith has been appointed Vice-President, Research and Development for **Hitachi Denshi America Ltd.**, 175 Crossways Park West, Woodbury, NY 11797. He was formerly Director of Audio/Video Engineering for **Thomson-CSF** where he was responsible for the **Microcram** program. Earlier, at **CBS Labs**, he designed the color corrector, image enhancer, and encoder signal chroma keyer.

Herbert Gardener has been appointed Manager of Technical Operations for **Teletronics**, 231 E. 55 St., New York, NY 10022. His career includes 20 years with the CBS-TV network in capacities ranging from a pioneer videotape editor to Operations Engineer in charge of the CBS Broadcast Center Studios. Most recently he has been a freelance producer-director on such television shows as *Candid Camera* and *CBS Bicentennial Coverage of the Boston Pops*. He has also been Technical Director for the CBS Evening News with Walter Cronkite, and he designed the technical facilities for the coverage of *Apollo XI*, *First Man on the Moon*.

Books, Booklets, Brochures

Using the Digital Video Scanner System, an image processing application note, is available from **Comtal Corp.**, P.O. Box 5087, Pasadena, CA 91107. The digital video scanner system is based upon a variety of stages of real-time signal processing functions, including image acquisition involving gain/bias compensation and simultaneous multiframe integration to attain a maximum signal to noise ratio in digital form.

Oscilloscopes, frequency counters, and audio and video instruments are among the products featured in a 60-page catalog available from **Leader Instruments Corp.**, 151 Dupont St., Plainview, NY 11803. The catalog contains complete features, specifications, and applications for more than 50 instruments and additional probes and other accessories, including 11 oscilloscopes, ranging in bandwidth from 4 to 30 MHz; three digital frequency counters, ranging from 80 to 520 MHz with 5, 1, or 0.03 ppm accuracy; and, among others, a group of 14 audio test instruments.

Photometry of Floodlight (CIE Publication No. 43) is available from **Dr. Jack L. Tech**, Secretary, U.S. National Committee CIE, National Bureau of Standards, Washington, DC 20234, at a price of \$11.50. The new publication is the re-

Announcing a Brand New Book From SMPTE

Digital Video – Volume 2

Digital Video—Volume 2 is a brand new book published by SMPTE. It's a perfect complement to SMPTE's earlier book, *Digital Video*, a book that has had phenomenal success in the broadcast industry.

Where *Digital Video* laid down the basics of digital video (that book's purpose was mostly tutorial with emphasis on what digital television is and how it works), this new book picks up where the first one left off and provides an in-depth review of the latest information in this exciting field.

New Developments

Many significant advancements have been made in digital video technology in the past two years. For example, experimental digital video recorders have been demonstrated, new graphics possibilities have been opened up using digital equipment, the Teletext system for broadcasting is now in operation in Europe, and digitally modulated optical laser systems are now being used experimentally instead of conventional microwave ENG systems. The era of digital video is almost upon us. And this book tells you where the state of the art is to-

day, and what to expect in the future. It is brimming with information of urgency to the broadcaster of today . . . and tomorrow.

The table of contents shows what this new book contains. There are chapters touching virtually every corner of digital technology, with special attention to digital effects, computer animation and digital video recording.

The material for this new book comes from the digital video papers that were presented at SMPTE's 120th Conference in New York, November 1, 1978, and most papers on digital television that were presented at the SMPTE's 13th Annual Television Conference in San Francisco, February 3, 1979.

The impact of digital video is being felt more and more in television broadcasting. This trend will continue as digital technology becomes more refined. SMPTE's new book brings you the latest and most up-to-date information on digital video by the leading experts in the field.

160 pages **8½ x 11** **softbound**
Price \$15.00 (less 20% to SMPTE members)
Order Today.

Contents, Digital Video—Volume 2

The ANTIQPE Broadcast Teletext System, Yves Guinet, CCETT (TV & Telecommunications Research Center), Rennes, France

Optical Television Link Employing a Digitally Modulated Laser, A. A. Goldberg, S. Juchnowycz and J. Rossi, CBS Technology Center, Stamford, Conn.

A Monolithic Video A/D Converter, Willard K. Bucklen, TRW LSI Products, Redondo Beach, Calif.

Digital Processing in the DPS-1, John Lowry and Richard Kupnicki, Digital Video Systems, Toronto, Ont., Canada

Panel Discussion Transcription: The Near-Term Future for Digital Television, The panel is comprised of authors of participating papers and representatives of the SMPTE Study Group on Digital Television and of the Working Group on Digital Video.

The Expanding World of Digital Video Effects, Richard Taylor, Quantel, Ltd., Newbury, Berkshire, England

The Use of the Computer in Animation Production, Edwin Catmull and Alexander Schure, New York Institute of Technology, Old Westbury, N.Y.

Some Experiments in Television Graphics and Animation Using a Digital Image Memory, Richard G. Shoup, Xerox Palo Alto Research Center, Palo Alto, Calif.

Color Graphics and Animation by Mini-Computer, Noboru Asamizuya and Taiuo Futai, Sony Corp., Tokyo, Japan

The Mosaic Keyer, Shigeru Jumonji, NHK (Japan Broadcasting Corp.), Tokyo, Japan

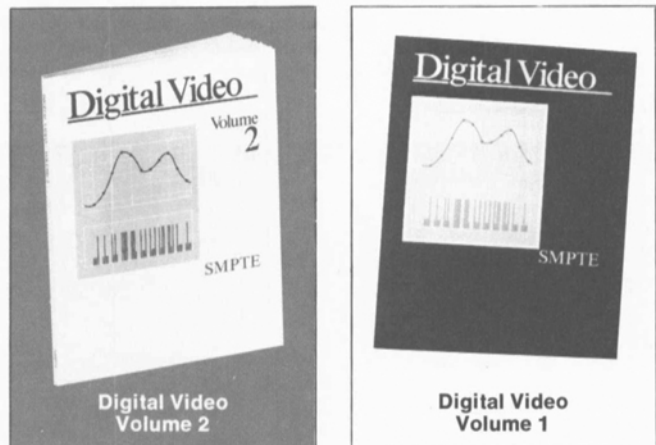
Low Bit-Rate System for Digital Coding of the Television Signal, P. Rainger and P. A. Ratliff, British Broadcasting Corp., London, England

Separate Components Digital Video Recording is Needed and Possible, Dominique Nasse, CCETT, Rennes, France

Digital Video Recording — A Progress Report, Maurice Lemoine and Joachim Diermann, Ampex Corp., Redwood City, Calif.

Digital Video Recording — What Will It Do for the Broadcaster?, Edward Herlihy, Golden West Broadcasters (KTLA), Los Angeles, Calif.

Panel Discussion Transcription: Digital Video Recording, Moderator: Donald V. West, Broadcasting magazine; Peter Rainger, British Broadcasting Corp.; Charles Ginsburg, Chairman of SMPTE Working Group on Digital TV; Dominique Nasse, CCETT; Joachim Diermann, Ampex Corp.; Edward Herlihy, Golden West Broadcasters; K. Blair Benson, Video Corp. of America; Arch Luther, RCA Corp.; Marcel Auclair, Canadian Broadcasting Corp.



Still Available
Now in Its Fifth Printing!

Digital Video — Volume 1

Published in 1977, this book is the landmark volume on the subject with 19 chapters, a glossary and a bibliography. If you do not have a copy, order yours now. It's a book no broadcaster should be without.

122 pp. **8½ x 11** **softbound**
Price \$15.00 (less 20% to SMPTE members)

SMPTE Books
862 Scarsdale Ave., Scarsdale, NY 10583

Please send me the following books at \$15.00 per book (less 20% to SMPTE members). I enclose my check for \$_____, postpaid.* If not satisfied, I may return the book(s) within 15 days and receive a prompt refund.

Quantity	Title	Amount
_____	Digital Video—Volume 2	\$_____
_____	Digital Video—Volume 1	\$_____
	Total	\$_____

Name _____

Company _____

Address _____

City _____ State _____ Zip _____

SMPTE member? Yes No *Foreign orders add \$1.50

sult of active cooperation among different countries and has been produced by members of the CIE (Commission Internationale de l'Eclairage) Technical Committee 2.4 (Luminaires) which has representation from 27 countries. The report contains specifications for the standard conditions under which the tests should be carried out and the measuring accuracy to be desired. It provides guidance for the selection of test apparatus and test procedures and specifications for the measurement of correction factors applicable to floodlights operated under practical conditions different from the standard test conditions. The report is in English and contains 52 pages, 4 tables, and 21 figures.

The TeleMation TVS/TAS-1000 Distribution Switcher and the CI-1060 Microprocessor/Computer Control unit used in conjunction with the Distribution Switcher to provide salvo switching of multiple crosspoints, real time clock command switching, and custom crosspoint status displays are described and illustrated in a brochure available upon request from the TeleMation Division of Bell & Howell, P.O. Box 15068, Salt Lake City, UT 84115. The brochure also contains descriptions of TeleMation's Category Number and Expansion Control Panels which are new additions to the switcher line. Also included are data regarding vertical interval switching, crosstalk, input and crosspoint circuitry, output amplifiers, polling and control sequence, refresh memory, and status monitoring.

Australian educational products recently introduced in the United States are listed and described in an illustrated catalog available upon

request from Bluebird Educational Distributors, P.O. Box 390, Seal Beach, CA 90740. The Bluebird Educational Distributors is a firm based in Melbourne, Australia, which has recently opened a branch in the United States. Australian products available through this firm include filmstrips, 16mm movies, audiocassettes, videocassettes, and records.

Electrical Design, Safety and Energy Conservation by Albert Trumann is available from the Fairmont Press, Inc., 134 Peachtree St., Suite 918, Atlanta, GA 30303, at a price of \$29.95. The book (226 pages, hardbound, diagrams) is intended as a practical, easy-to-use guide for electrical engineers, plant and project engineers, safety engineers, and those who desire to improve communications within the design team. The book assumes no previous knowledge of electrical systems and emphasizes both the technical and managerial aspects of electrical design.

Components used in 35mm motion-picture projectors are illustrated and described in a 14-page, 8½ × 11-in brochure (170-3) available upon request from LaVeZZi Machine Works, Inc., 900 North Larch Ave., Elmhurst, IL 60126. In addition to components used in virtually every American-made motion-picture projector, the LaVeZZi VKF™ (very kind to film) and Posi-Trol™ positive control sprockets are also illustrated and described. Repair and replacement kits used in the intermittent movement assemblies of Century and Simplex projection equipment are described, and information is provided on rollers, roller cartridges, and magazine assemblies.

Master Control Monitors, a 24-page illustrated brochure covering the complete line of Barco professional color television monitors, is available upon request from Rohde & Schwarz Sales Co., 14 Gloria Lane, Fairfield, NJ 07006. Included in the brochure are technical specifications, display performance, RGB performance, detailed descriptions of all controls, and full color illustrations of each unit.

Gould professional oscilloscopes are described in a 4-page bulletin available upon request from Gould Inc., Instruments Div., 3631 Perkins Ave., Cleveland, OH 44115. Each unit is illustrated in color and a detailed description is provided.

The 1978-79 National Directory of Safety Consultants is available from the American Society of Safety Engineers, 850 Busse Highway, Park Ridge, IL 60068, at a price of \$7.50. This sixth edition is a detailed alphabetical listing of more than 250 of the nation's top safety consultants and the specialty fields in which they qualify to perform expert services or give court testimony. The listing is also cross-referenced by state and city.

Houston Fearless 76, Inc., has made available literature on a complete line of color and monochromatic film processors which it manufactures for the photographic industries. The literature includes data sheets on processor models to meet the specifications of all continuous roll films. Data sheets with preinstallation instructions on these processors are available from the Marketing Dept., Houston Fearless 76, Inc., 833 E. Walnut St., Carson, CA 90746.

btx 15-track TV audio

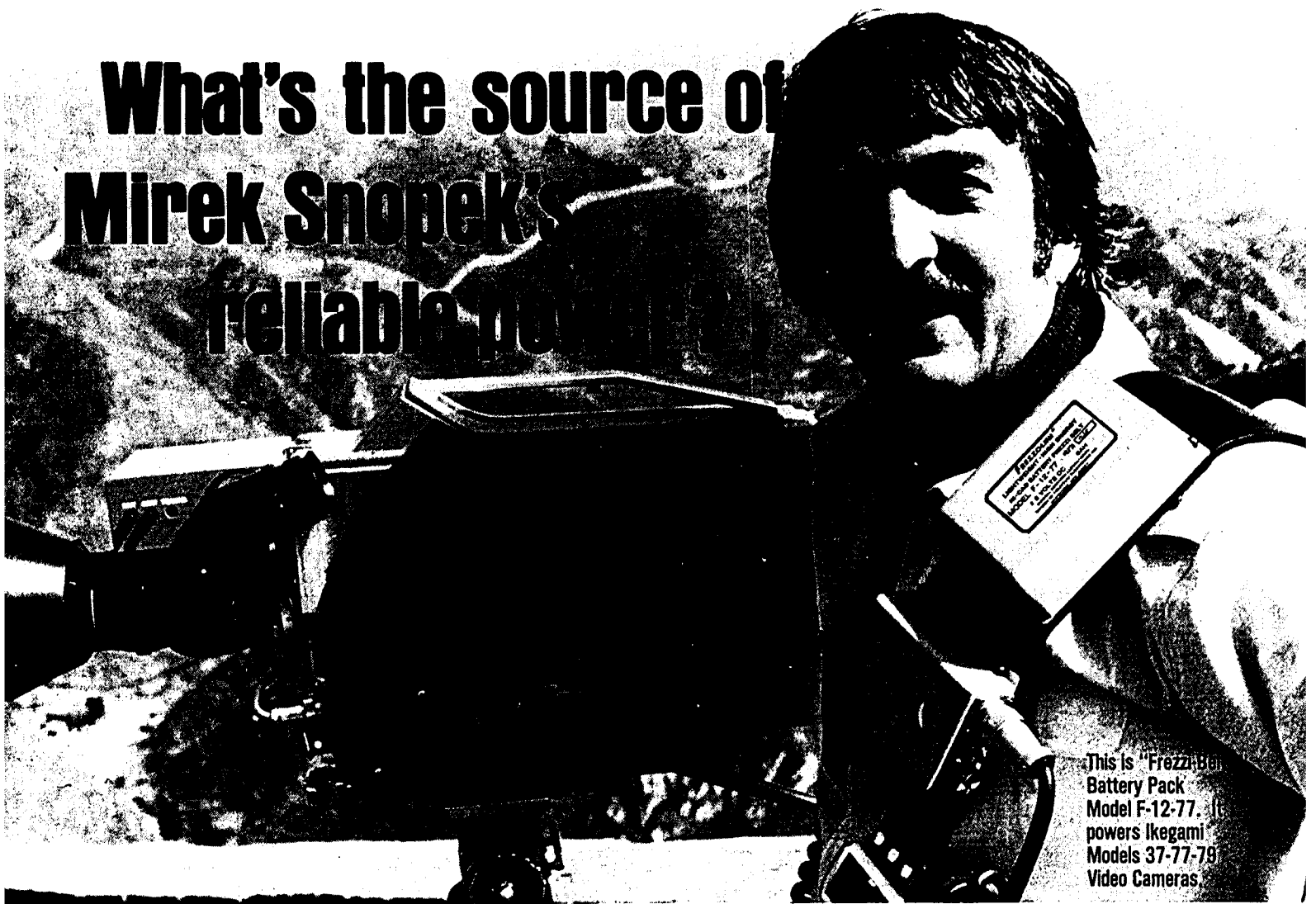
The superb BTX 4500 SMPTE interlocking system expands video production capability to include outboard multi-track audio recorders.

Any audio recorder may be precisely locked to any VTR to enhance your TV audio production capacity.

The BTX Corporation

438 Boston Post Road, Weston, Massachusetts 02193 • (617) 891-1239
6255 Sunset Boulevard, Hollywood, California 90028 • (213) 462-1506

What's the source of Mirek Snopek's reliable power?



This is "Frezzi-Batt"
Battery Pack
Model F-12-77. It
powers Ikegami
Models 37-77-79
Video Cameras.



*"On the Great Wall of China;
a chill blizzard in Japan,
or Thailand's hot humidity,
from Kenya to Finland,
reliable power from "Frezzi"TM
Battery Packs keep our cameras,
and us, in business on
world-wide TV assignments."*

MIREK SNOPEK
President, Video People, New York City

**Portable Power for all video
cameras, video recorders, &
hand-held "Frezzi-Lights"TM.**



Frezzolini Electronics Inc.
7 Valley St. Hawthorne, N.J. 07506 USA

**For information call (201)427-1160
or (212)594-2294. MADE IN U.S.A.**

Export Agents:  **CINECRAFT** 11 Caesar Place, Moonachie, N.J. 07074 U.S.A.
(201)939-0875 • Telex: Cinecraft Moon TLX 13-8875 • Cables: Cinecraft Moonachie

