

# Industry News & Educational Activities

**The Byron L. Friend/Telecine Film** collection of films, filmstrips, slides, videotapes, written records, correspondence, and other audiovisual artifacts, has been donated to the American Archives of the Factual Film at Iowa State University, Ames, Iowa, it was announced by Stanley Yates, Curator. The Archives was established and is administered by the Library of Iowa State University of Science and Technology in cooperation with the University's Media Resources Center for the purpose of gathering together all of the relevant materials which document the development of the factual film in the U.S. and abroad. The Archives serves both as a means for preserving irreplaceable films and written records and as a research center for the study of the factual film and its impact upon the American scene.

Byron L. Friend, founder and President of Telecine Film Studios, has been a pioneer producer of nontheatrical films, filmstrips, and slide presentations. He is a former chairman of the SMPTE Chicago Section and is currently a consultant and lecturer in the audiovisual communication field.

When completed, the Friend/Telecine collection will be one of the largest single collections in the Archives.

**The Council on International Nontheatrical Events (CINE)** has awarded U.S. filmmakers with 159 Golden Eagle Certificates and 15 CINE Eagle Certificates. The winners were selected from 424 professional and amateur filmmakers who entered the fall competition, with the CINE board of directors serving as the final jury. Specialized juries assist in judging films on agriculture, the arts, cultures, animation, business and industry, experimental, education, history, maritime, medicine, public health, religion, science, sports, documentaries and short subjects, travel and exploration, and others. CINE, a nonprofit organization, coordinates U.S. participation in overseas international film festivals.

**Field-based biomechanics cinematography**, a relatively new technique for analyzing the performance of athletes in actual competition through the use of film and computers, will be applied for the first time on a large scale at the 1980 Moscow Olympics, according to information from the Research Center for Sports (RCS), Box 188, Del Mar, CA 92014. RCS, a pioneer in applying this technique under actual competition conditions, has been selected by the USSR Olympics Committee to photograph all athletic events for analysis through biomechanics cinematography. RCS will send a team of eight biomechanics photographers to the Moscow Games.

Field-based biomechanics cinematography consists of filming an athlete with a slow motion camera and analyzing the film with the help of a computer to calculate the forces the athlete is using at every joint in his body. The

researcher uses this information to develop a computerized "model" of the athlete with which he can predict the athlete's theoretical optimum performance. The researcher can then instruct the athlete (through his coach) on what changes he must make to achieve his ideal performance.

**RCA American Communications, Inc.**, has filed with the FCC an application for authority to construct, by 1981, an additional communications satellite to be used as a ground spare in what is planned as a four-in-orbit satellite system, according to a recent announcement. The \$24 million ground spare will be the same in all essential elements to those already authorized by the FCC with the exception of certain technological improvements that have taken place since the first two Satcoms were built, the announcement stated. One of the improvements provides increased versatility in restoring failed primary radio frequency amplifiers. Other improvements will be incorporated to increase spacecraft performance, reliability, and service life. The ground spare will be built by RCA Astro-Electronics.

**A comb filter signal processor**, using advanced charge coupled device (CCD) technology, has been developed by RCA engineers. The filter, employed in RCA's 1980 line of 19- and 25-in (diagonal) Limited Edition Color-Trak models, incorporates a computer-like memory to "double process" the picture signals. The new system combines comb filtering techniques with CCD technology in the form of an MOS (metal oxide semiconductor) integrated circuit for an unusually sharp picture. The CCD signal processor filters throughout the entire video frequency range making possible the enhancement of vertical detail in the picture. It is inherently stable because the CCD filter is not affected by temperature and humidity conditions. The new filter is said to increase horizontal resolution to at least 330 TV lines compared with 260 lines in previous RCA sets.

**Ten videocassettes**, available separately or as a series, entitled "The Sight and Sound of Videotape Production," from 3M Company, P.O. Box 33975, St. Paul, MN 55133, have been announced. Available in VHS and Beta formats as well as 3/4-in Mini-U-Matic tapes in a "Scotch" Hanger System storage box, the series is intended to provide guidance to producers of video materials for schools, businesses, and other institutions. Each tape is in color and runs 12 to 15 min. Valued at \$200, each videotape in the series is available from 3M with a 12-month cumulative purchase of \$200 of "Scotch" brand helical videotape plus \$20 to cover the costs of duplication and distribution.

Titles of the ten videotapes are: *Portable Videotape Production Techniques*; *Preparation of Titles and Artwork for Videotape Production*; *Audio Techniques for Videotape Production*;

*Program Formats for Instructional Videotapes*; *Setup, Operation and Care of the Videotape System*; *How to Perform on Television*; *A Practical Guide to Sets and Props for Videotape Production*; *Lighting for Videotape Production*; *Camera Techniques for Videotape*; and *How to Produce a Videotape Program*.

**The ESP-100 electronic still storage system**, manufactured by Adda Corp., 1671 Dell Ave., Campbell, CA 95008, was used by the NASA Space Research Center in Mountain View, Calif., to digitally store more than a hundred still pictures from the Pioneer-Saturn encounter. The ESP-100 system was the sole source of still pictures for release to television outlets around the world. The system is microprocessor controlled and stores color stills in digital form on high speed, high capacity computer fixed disk packs.

**Bell & Howell and Robert Bosch Corp.** have announced the formation of a 50 to 50 owned joint venture to develop, manufacture, and market broadcast video equipment in the U.S. The name of the new company is Fernseh Inc., the Video Corporation of Bell & Howell and Robert Bosch. Under the agreement, Robert Bosch will acquire 50 percent of Bell & Howell's TeleMation Division, based in Salt Lake City, which will become part of the joint venture. The Fernseh Division of Robert Bosch Corp. at Broadview, Ill., will merge its marketing operation into the joint venture to strengthen its position in the North American market. Technical expertise, research, and development from Robert Bosch, Bell & Howell, and TeleMation will be pooled to develop new products to be manufactured at TeleMation's Salt Lake City plant. The Fernseh Division of Robert Bosch GmbH in Darmstadt, W. Germany, will continue the overseas manufacture of their existing product lines which will be sold and distributed in North America by the new company.

**Geo. W. Colburn Laboratory, Inc.**, 164 N. Wacker Drive, Chicago, IL 60606, has announced a major reorganization of management structure. **Robert A. Colburn** has retired as President of the company and is now Chairman of the Board. **Clyde R. Rupert** succeeds Colburn as President. He was formerly Treasurer and Vice-President. The Colburn Laboratory was founded by the late Geo. W. Colburn in 1935.

**A recording and broadcast division** has been formed by Panasonic, One Panasonic Way, Secaucus, NJ 07094, to serve the needs of the professional sound markets and, specifically, the recording and broadcasting industries. The new division will be headed by **Jim Parks**.

**RTS Systems** has moved into new offices at 1100 W. Chestnut St. in Burbank, Calif. The new 14,000 ft<sup>2</sup> headquarters houses expanded manufacturing activities as well as the greatly increased RTS staff.

**Jean Firstenberg** has been appointed Director of The American Film Institute, it was announced by AFI Co-Chairmen Charlton Heston and George Stevens, Jr. Since 1976, Firstenberg has been an executive with the Markle Foundation in New York, where she was responsible for the design of grants to encourage innovation in film and television.

Prior to her work there, she was Director of the Publications Office at Princeton University. Firstenberg begins her three-year appointment as AFI Director on 1 January 1980, taking over from Stevens, who has headed the Film Institute since its founding 12 years ago. The new Director will be responsible for the initiation and supervision of all Institute programs, for the guidance of its Board of Trustees in raising funds for these programs, and for maintaining the Institute's role in the film and television arts in the U.S.

**John C. Fletcher** has been promoted to Systems Manager of Warner Cable Corp.'s cable television facilities in the greater Boston area. Previously, he was Systems Manager for the company's Columbus, Ohio, cable television system. In his new post he will have overall responsibility for day-to-day operations of cable television service in Chelsea, Everett, Malden, Medford, Melrose, Somerville, and Winthrop, Mass. The Boston complex is one of the largest in Warner Cable's network.

**R. Roger Watson** has been appointed National Sales Manager for Ampex Corp.'s Audio-Video Systems Div. according to a recent announcement. He will direct sales activities in the U.S. for the division's full line of professional audio- and videotape recorders, broadcast cameras, switching systems, and computerized editing and video storage systems. Watson was formerly Vice-President and General Manager of Video Magnetics, Inc., Sunnyvale, Calif.

**Donald R. Haws**, Assistant Vice-President of Equitable Life in New York, has been elected President of the International Television Association (ITVA) for the 1980 term. He succeeds James Reynolds of Ohio Bell. ITVA currently has some 35 chapters in the U.S., Canada, and Europe. The Association's 1980 conference, to be held 16-19 April in Las Vegas, is expected to break all previous attendance records. ITVA headquarters are at 26 South St., New Providence, NJ 07974.

**William C. Gray** has been appointed Audiovisual Equipment Product Program Director for Eastman Kodak's MP&AVMD division. Gray joined Eastman Kodak in 1960. His most recent post was that of Product Planning Specialist, Product Programs and Research, MP&AVMD.

**Otis E. Finley** has been appointed Regional Sales Manager, Pacific Northern Region for Eastman Kodak's MP&AVMD division. Finley has been with Eastman Kodak since 1966 and his most recent post was that of District Sales Manager in Washington, D.C.

## **Books, Booklets, Brochures**

**A Bibliography of Theses and Dissertations on the Subject of Film 1916-1979**, UFA Monograph No. 3, compiled by Raymond Fielding, is available from the University Film Association, School of Communication, University of Houston, Agnes Arnold Hall, Room 633, Houston, TX 77004, at a price of \$6.50.

Raymond Fielding is Professor of Communication at the University of Houston and author of *A Technological History of Motion Pictures and Television*, *The Technique of Spe-*

*cial Effects*, *The American Newsreel*, and *The March of Time*. He began his project of compiling titles of theses and dissertations on the subject of film back in 1968, when as an Associate Professor at the University of Iowa he found himself "at a loss to advise graduate students as to the originality of their proposed thesis subjects due to the absence of a bibliography of existing works." Publishing his compilations intermittently in the *Journal of the University Film Association*, Prof. Fielding eventually recognized the need for a cross-indexed, statistically treated accumulated listing of older titles together with the most recent. Monograph No. 3 contains 1420 titles filed at 109 institutions since 1916. In addition, Prof. Fielding has written an in-depth analysis of graduate work in film studies at U.S. universities.

**Everything You Wanted to Know About Videocassettes But Didn't Know Who to Ask** is the title of an 8-page illustrated brochure available from Fuji Photo Film U.S.A. Inc., 350 Fifth Ave., New York, NY 10001. The brochure is designed to provide the consumer with basic information about videocassettes. Topics covered include the difference between audio- and videocassettes, videocassette recording methods for the video and audio channels, dropout and tape wear problems, and the increased strain that second generation VCRs put on videotapes with their slower speeds, freeze frame, and rapid search capabilities.

**Foreign Language A-V Software Producers**, a list of 14 companies which produce audiovisual software in foreign languages, is available upon request from the National Audio-Visual Association, 3150 Spring St., Fairfax, VA 22031. In addition to the Spanish language, audiovisual software materials are available in French, German, Japanese, Korean, Vietnamese, and Arabic languages.

**Preserving processed photographic film through proper storage** is the subject of a standard (ANSI PH1.43-1979) available from American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018, at a price of \$4.50. Types of film covered include still pictorial, aerial, portrait, x-ray, industrial, motion-picture, and microfilm. The standard applies to processed silver-gelatin films as well as to color, diazo, vesicular, and heat-processed silver films. The life of the processed film is affected by humidity and air temperature. Film is also subject to hazards posed by fire, water, light, fungal growth, contact with certain chemicals, and physical damage. In addition, direct contact with other generic types of film can be detrimental to either film. To promote longevity and reduce hazards, the standard provides recommendations on enclosure materials, containers, atmospheric conditions, handling, and inspection techniques.

**Treise Engineering** has announced a 32-page, two-color catalog describing their complete line of continuous processors and accessories. Eight different processor models are described, including the Minaflex and the MTV series as well as the M-180 and M-280 processors. Sections are devoted to major components such as the SBR drive, the 7389 silver soundtrack system, the cleaner/waxer, etc. There is also an extensive chapter on ac-

cessories and parts and information and advice offered for firms who want to modify or modernize existing equipment. The catalog is available from Treise Engineering, Inc., 1941 First St., San Fernando, CA 91340.

**The ISIT Model 2856C** low light environmental television camera is described in an illustrated data sheet available from Cohu Inc., Electronics Div., Box 623, San Diego, CA 92112. The camera provides continuous duty automatic operation in extreme light levels for monitoring and surveillance applications.

**Optics and Laser Technology** is an international journal published six times a year by IPC Science and Technology Press Ltd., IPC House, 32 High St., Guildford, Surrey, England GU1 3EW. The journal contains review articles, original research papers, and up-to-date technical notes on applications, techniques, systems, and components. The areas covered include display systems, fiber optics and optical communications, high speed photography, holography and its applications, recording media, and many more. The subscription rate is \$91 a year. It can also be ordered from IPC Science and Technology Press Ltd., 205 E. 42 St., New York, NY 10017.

**Independent Filmmaking** by Lenny Lipton, a 431-page, amply illustrated text on filmmaking techniques, is available in a revised edition from Simon and Schuster, 1230 Ave. of the Americas, New York, NY 10020, at a price of \$7.95. The book is now widely used in college filmmaking courses on the basis of its readability and scope. Chapters include *The Format*, *The Film*, *The Camera*, *The Lens*, *Shooting*, *Splicing and Editing*, *Sound and Magnetic Recording*, *Preparing the Soundtrack*, and *the Laboratory's Role*. The final chapter, entitled *Mixed Bag*, contains advice on topics generally not related to foregoing chapters.

**More than 130 projection patterns** are illustrated in a 12-page catalog available from The Great American Pattern, P.O. Box 178, Woodland Hills, CA 91364. The catalog also contains detailed information on the use and application of patterns with ellipsoidal spotlights for various types of theatrical productions. New patterns now available include *Reversed Trees*, *Fantasy Castle*, *Pebbles*, *Mountain Road*, *Circles*, *Scribble*, *Notes*, and *Highway* among others.

**A short form catalog** describing the company's current line of television products is available from Dynair Electronics, Inc., 5275 Market St., San Diego, CA 92114. The catalog covers audio/video switching, video and pulse distribution, equalization, and RF equipment. Photographs and brief descriptions of each product are included.

**A specification sheet** describing the Sync Source 1305, CCTV Dual Rate Sync Generator is available from Visual Information Institute, Inc., P.O. Box 33, Xenia OH 45385. The unit provides flexibility in adjustment of scan rate, pulse widths, and waveform for laboratory, engineering, and design applications.