

The technical part of the program began with a presentation on "High Resolution Electronic Intermediate System for Motion-Picture Film," by Bradley Hunt, Eastman Kodak Co. The paper had previously been presented at the SMPTE Convention in Los Angeles. He outlined the requirements of such a system and compared the requirements with the constraints of current HDTV systems such as 8-bit sampling and real time operation. He indicated that a standard needs to be developed that would be compatible with current film or photo and print. He stated that Kodak is in the process of developing such a high-resolution system, consisting of a scanner, a workstation, and a high-resolution recorder. The standard that is being targeted would accommodate four

top film formats, Academy, Super 35, Cinemascope, and 35mm.

Diane Cappalietto, Eastman Kodak Co., Canada, gave the second presentation entitled "High Performance CCD Telecine for HDTV." She described a high-performance CCD telecine that was built to translate current film product to the 1125/60 HDTV format. It was stated that the system could easily be reconfigured to accommodate other formats as required. In its present form, it produces 1920 pixels/line on a 16x9 aspect ratio, and 24 to 30 frames/sec. A newly developed, linear sensor array permits scan rates of 120 megapixels/sec. In order to attain the highest possible quality, Cappalietto described the methodology of using a xenon-source lamp, the increase of

color pixels to four times the size of luminance pixels, and the method of employing separate luminance and color sensors. The results of this work increased the sensitivity by six stops. She also showed photographs of the lab prototype as well as a replay of a high-definition tape which contained a number of sample transfers done on the prototype telecine.

The meeting, held at Eastman Kodak Co., Canada, concluded with Section Chairman Fred Lemmin presenting both Cappalietto and Hunt with plaques for their valued participation. He also thanked Telesat Canada and Sony Canada for their support with respect to the high-definition playback equipment. — Walter Bebenek (Secretary Treasurer), Ampex Canada, Inc.

News

The SMPTE's 134th Technical Conference and Equipment Exhibit in 1992 will be held in Toronto, Ont., Canada, at the Metro Toronto Convention Centre from November 10-14, it was announced by Conference Vice-President L. John Spring, Jr. The technical sessions, equipment exhibit, Coffee Club, and Honors and Awards Luncheon will be held at the convention center, and the Annual Banquet and Fellows Luncheon will be held in an area hotel.

"The Executive Committee and the Board of Governors look forward to being the hosts to our exhibitors and attendees in Toronto in 1992," Spring said. "The convention center is large, modern, and well-equipped to handle SMPTE's space requirements."

As previously announced, the 132nd SMPTE Technical Conference and Equipment Exhibit will be held October 13-17, 1990, at the Jacob K. Javits Convention Center in New York City. The 133rd conference will be held October 26-30, 1991, at the Los Angeles Convention Center in California.

John C. Norris, who was recently appointed to the newly created position of Education Director of the SMPTE, has released a strategy addressing the concerns of SMPTE members and sustaining member companies regarding the future technological needs of the industry.



"I am keenly aware of the great opportunity to set the standard and direction for programs that will meet the educational

needs of our industry," he said. "Two key challenges we are facing are developing the future scientists and engineers who will shape our industry tomorrow and enhancing the knowledge of our members today."

His plan for accomplishing this dual mission includes the expansion of existing SMPTE committees. "I plan to expand the Educational Advisory Committee to include representatives from sustaining member companies and from the creative community. I am pleased to report that two such new members have already joined this committee. They are Robert Paulson of AVP Communications and Jonathan Erland of Apogee. Their expertise and enthusiasm will greatly benefit the efforts of our committee."

Norris added that he plans to build on existing programs that are currently available to SMPTE members including seminars, mini-conferences, tutorials, guest speakers, publications, and satellite-transmitted programs. "Special attention will be directed to programs and materials for the International Sections of Australia, Italy, and Canada. We also encourage the formation of a Scandinavian Section and a Section in the USSR," he said.

Norris also plans to establish liaisons at other organizations to explore ways of fulfilling the educational needs of the industry. "Discussion with these groups should prove mutually beneficial as we all grapple with the challenges of developing tomorrow's technology," he said. "The newly formed Scholarship Task Force is actively evaluating graduate level programs for appropriate schools to administer SMPTE scholarships. In addition, liaisons will be established with several schools to promote the motion-picture and television industry as viable career choices

for today's science and engineering students."

Norris has been active in the industry for more than 25 years. He has worked at Eastman Kodak Co. since 1964, and currently serves as the coordinator of product planning for the motion picture and audio divisions. His career achievements include contributing to the development of several motion-picture film products, including the 7271, 7249, and 7380. He also did extensive work in image-quality evaluation, especially with the printer MTF, film system MTF, motion-picture steadiness, and telecine display. He was later selected as a consultant to NASA for selection of motion-picture films for the space shuttle program. In 1987 he was named an SMPTE Fellow.

An SMPTE Student Chapter has been created at Napa Valley College, Napa, Calif., it was announced by Sections Vice-President Irwin W. Young. The Telecommunications Program there has conducted classes in the school's television studio since 1971. The studio is equipped with professional color equipment including component TV. Combining both theory and practical experience, the courses teach students to operate, design, install, and maintain TV equipment. As part of the program, students learn related theories in mathematics, solid state electronics, and science to understand the principles behind color television systems. Also, students are instructed in all aspects of behind-the-scenes TV productions and learn to fine-tune color cameras, video and audio recorders, and video switching equipment, adjusting them to manufacturer's specifications. Gary Vann, professor, telecommunications technology, will serve as student advisor to the newly formed Section.

Carol King has joined the SMPTE Editorial Staff as an assistant editor of the *Journal*. Her responsibilities include overseeing the News and departments in the back of the publication. She also writes the monthly conference stories and biographical sketches.



King previously worked as a reporter for *Supermarket News*, a trade publication produced by Fairchild Publishing in New York City. She graduated from the University of Iowa in 1981 with a B.A. in Journalism and Mass Communications.

A newlywed, King resides in Connecticut with her husband Mark and their dog Sage. Her favorite pastimes include photography, listening to jazz, and taking Sage for walks on the beach.

The Committee for Laboratory Services Technology has formed the Working Group on Blowups and Reductions, L6.39. Joseph Schmit, 1830 Merridy St., Chatsworth, CA 91311, will serve as chairman. This WG will prepare documents for the standardization of the 35mm anamorphic 2.4:1 to 65/70mm 2.4:1 blowup, the 35mm flat 1.85:1 to 65/70mm 2.4:1 blowup, and the 65mm flat 2.2:1 to 35mm flat 2.2:1 reduction. Those persons interested in joining this group should contact the working group chairman or the SMPTE Engineering Dept., 595 W. Hartsdale Ave., White Plains, NY 10607, (914) 761-1100.

A new standard from the IEC has given the broadcast industry the first internationally agreed upon heli-scan digital component videocassette recording system. The format, known as D-1, is a result of close collaboration between SMPTE, IEC, EBU, CCIR, and the industry. The digital recording format for the picture signal is based on the component structure adopted on a worldwide basis as the 4:2:2 system following CCIR Rec. 601 and 656. The recommendations are valid for both 625/50 and 525/60 systems. In addition to the picture signal, four digital audio signals are recorded into the helical track in accordance with IEC 958, the digital audio interface standard.

Three longitudinally recorded analog tracks are available for cue, control, and time code purposes. Time code is recorded according to IEC 461: Time and Control Code for Video Tape Recorders, Second Edition. In the system, three sizes of cassettes are used, leading to 13, 41, and 94 minutes of recording time.

The Recommended Practice for the Lumen Method of Daylight Calculations is now available through the IES of North

America. The document was prepared by the IES Calculations Procedures Committee to provide a simple way to predict interior daylight illumination through skylights and windows. The recommended practice is based on the lumen method, which provides a simple way to calculate interior illuminance through the use of coefficient utilization tables. The lumen method of sidelighting has been completely updated and enhancements have been made for the lumen method of toplighting, including replacement of room ratios by room cavity ratios and the use of both diffuse and direct skylight transmittances in the calculation procedure. The document is available at a cost of \$15 for IES members and \$25 for nonmembers. For more information, contact the Publication Sales Department, IES of North America, 345 E. 47th St., New York, NY 10017.

The European Broadcasting Union (EBU) recently celebrated its 40th anniversary. When the EBU was first formed on February 12, 1950, 23 broadcasting organizations from Europe and around the Mediterranean put their signatures on the constitutive document, marking the end of the prewar (1925) International Broadcasting Union which had fallen into disarray following postwar problems and changes in the European political structure. The EBU's aim was to promote cooperation between members and with broadcasting organizations of the entire world, and to represent members' interests in the program, legal, technical, and other fields.

As a result of technological advancements and political developments, the EBU has grown to become a membership of 93 organizations from 64 countries. Although the Union's intention was to meet the needs of broadcasters in Western Europe and around the Mediterranean, it quickly established relations with those in other continents. Now Union members are divided into two classes: Active Members and Associate Members. There are currently 39 Active Members in 32 countries of the European broadcasting area, as defined by the International Telecommunication Union, and 54 Associate Members in 32 countries elsewhere. As required by EBU statutes, each member provides in its country, with the authorization of the competent authorities, a service of national character and national importance. In effect that excludes regional and local broadcasting organizations unless they are grouped together in national associations.

A Call for Papers has been issued for the 4th International Conference on Television Measurements. Papers should describe measurement techniques in the fields of cable television, conventional terrestrial television broadcasting, and direct broadcasting by satellite. Suggested top-

ics include standards, specifications, and codes of practice; colorimetry and optics; data transmission systems; display and chromaticity measurements; digital television; digital sound for television; direct broadcast by satellite; enhanced and high-definition television; MAC systems; receiving systems; and standards conversion.

Synopses should be submitted by October 28, 1990, to Louise Bousefield, conference organizer, The Institution of Electrical Engineers, Savoy Place, London WC2R 0BL, England. They should contain sufficient detail, including diagrams if necessary to allow the assessors to make a proper evaluation. Final papers, which will be printed in an IEE Conference publication, must be typed on special lay sheets which will be provided to the authors. The conference will be held at The Casino, Montreaux, Switzerland, June 20-22, 1991, following the 17th International Montreaux Television Symposium. It is being organized in association with SMPTE and the Royal Television Society.

More than 250 exhibitors are expected to participate in the seventh annual ShowBiz Expo, June 2-4, 1990, at the Los Angeles Convention Center. The event will feature displays of tools, techniques, and services used by film and video professionals.

ShowBiz Expo will offer conference sessions, exhibitor seminars, and interactive hands-on labs. In addition, specialized sections on the show floor will include SFX/Graphics Studios, a screening room, a location equipment area, and outside displays. Also, the event will include a three-day series of video equipment "shoot outs," sponsored by the International Television Association — Los Angeles. For further information, contact Nancy Keiter, Live Time Inc., 2122 Hillhurst Ave., Los Angeles, CA 90027.

The Rocky Mountain Film & Video Expo'90 will be held August 28-29, 1990, at the John Q. Hammons Trade Center in Denver, Colo. Over 100 national and international exhibitors are expected to display the latest in professional film and video equipment. Seminars and general sessions will also be offered. Expo'90 is sponsored by five of the region's suppliers of professional equipment: Ceavco Audio Visual Co., Inc.; Davis Audio Visual, Inc.; Film/Video Equipment Service Co.; Midwest Communications, Inc.; and Video Teknix, Inc. For more information, contact Jessica Lucerne, P.O. Box 10545, Denver, CO 80210.

The 89th Convention of the Audio Engineering Society will be held September 21-25, 1990, at the Los Angeles Convention Center in California. The event will offer technical sessions, workshops, seminars, technical tours, and an exhibition.

For more information, contact Ron Streicher, AES Convention Chairman, 545 Cloverleaf Way, Monrovia, CA 91016, (818) 357-1289.

The 5th International Broadcasting and Telecommunications Show will be held October 18-22, 1990, in the South Pavilion of the Milan Fair at Lacchiarella, Italy. It will provide a coherent and productive overview of European policies in the fields of satellite transmission, HDTV, programming, and professional AV production and co-production. It will also be an international showcase for a broad range of equipment and instruments. It will accompany the International Market of Audio/Video Programs and Services (MeM '90) a new exhibition that is targeted at audio and video service producers. MeM '90 will offer seminars on audio and video production, workshops, surveys of international programs, and symposiums. For more information, contact Segreteria Generale, IBTS, Via Domenichino 11, 20149 Milan, Italy.

Philips Components Discrete Products Div. will consolidate its Plumbicon camera-tube production. The consolidation combines the manufacturing sites of Slatersville, R.I., and Eindhoven, The Netherlands, into one main production center at the larger, Slatersville facility. According to a company spokesperson, by concentrating its production activity in one location, Philips Components will be better able to supply its worldwide customer base with quality merchandise at competitive pricing. The Eindhoven plant will remain as a source for additional stock and will provide measuring facilities, application support, and product expertise.

Harry Adams, formerly an executive with Adams-Smith, has formed A/Z Associates, a new sales and marketing firm based in Needham, Mass. The company will focus on selling technically sophisticated, multifunctioning systems products, such as high-end telecine, audio and video editing systems, and automated program delay systems. A/Z Associates will provide sales representation directly in the U.S. and through dealers in Europe and Asia. The firm will also provide product training, trade show coordination, advertising, and similar marketing services for its principals.

Garrison Cavell, a broadcasting engineering authority, has joined up with a pair of industry experts to form an independent consulting company that promises to provide technical and strategic advice to station owners and operators. The firm, Lahm, Suffa & Cavell, Inc., will be based in Fairfax, Va. Karl Lahm and William Suffa will also head up the operation.

Lawrence Weiland has been appointed president of Microtime, Inc., a wholly owned subsidiary of Andersen Group. He succeeds John Kissel, who resigned to become director of operations for Andersen Laboratories, a former subsidiary of Andersen Group.

Weiland has held positions in top management at several firms in the broadcast industry. He was most recently president of the CMX division of the Chryon Group. Prior to that he worked at Ampex, where he served in several capacities, including vice-president and general manager of the video products division. During his tenure there, Ampex won an Emmy Award for development of the color, slow-motion videodisc. At NBC Television, Weiland was a member of the design team that developed and utilized many of the production facilities installed at NBC's Burbank studio complex. In making the announcement, Francis E. Baker, chairman of the Andersen Group said, "Based on the results of development work conducted over the past two years, we are now in the process of introducing several new products which give promise of becoming industry leaders. Larry's background is ideally suited to advance Microtime's technological growth while pursuing its business objectives."

Mark Anizek has been named director of engineering at Allied Film & Video, Troy, Mich. He has been with Allied for nine years, serving as video engineering supervisor and corporate video program manager. In his new position he will have broadened responsibilities with emphasis on innovation and product development for all of the company's divisions.

Anizek has 20 years of experience in the fields of film and video. During his career he developed an automated, computer-controlled filmstrip-to-video and slide-to-video process for Allied. He also improved an automated cassette-loading system by designing dual infeeds and separate outfeeds.

Robert Jacobs, has been promoted to vice-president, sales and marketing for Dynair Electronics, Inc. He had previously held the title of sales director. In his new position, his expanded responsibilities include overseeing total sales and marketing for all of the company's domestic and international markets. Throughout his 30-year career

at Dynair, Jacobs has held a variety of positions including sales manager, applications manager, test technician, and TV broadcast transmitter engineer.

Don Reynolds has joined Dynair Electronics as product manager. His duties will include overall product planning, pricing, and market research. He previously held the position of engineering manager of analog products at Utah Scientific, Inc. He has also held technical positions at Telemation, CMS, and RCA. Dynair Electronics is located in San Diego, Calif.



André Collette, president and general manager of Bellevue Pathé Quebec, the technical services division of Astral Bellevue Pathé, retired on February 28.

Collette's film industry career began in 1968 with Associated Screen Industries. He was named general manager in 1971, when the company was taken over by Astral and renamed Bellevue Pathé Quebec.

Upon making the announcement, Harold Greenberg, president and CEO, Astral, said, "André is one of the pioneers of our industry and his influence has been immeasurable. His wise counsel and generosity of spirit will be missed by his colleagues at Astral and throughout the industry."

During his career Collette served as director and secretary of the Association of Film Producers of Quebec, director of the Association des Maisons de Service Technique du Québec, and director and president of Cinémathèque Québécoise. He is also an active member of SMPTE and the Canadian Film and Television Association.

In 1966 Collette was presented with the Air Canada Award by the Academy of Canadian Cinema and Television at the Genie Awards ceremony.



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