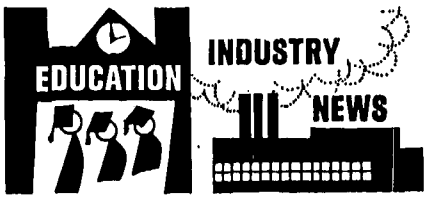


SMPTE Elections Officers and Governors

Officers of the Society for 1974 (including those remaining in office for the 1973-74 term and those elected to serve during the 1974-75 term) are:

President: Byron S. Roudabush (1973-74)
Executive Vice-President: Kenneth M. Mason (1973-74)
Past-President: Wilton R. Holm (1973-74)
Engineering Vice-President: William T. Wintringham (1974-75)
Editorial Vice-President: Gerald G. Graham (1973-74)
Financial Vice-President: Joseph T. Dougherty (1974-75)
Conference Vice-President: Harry Teitelbaum (1973-74)
Sections Vice-President: William D. Hedden (1974-75)
Vice-President for Educational Affairs: Herbert E. Farmer (1974-75)
Vice-President for Photo-Instrumentation Affairs: A. Earl Quinn (1974-75)
Vice-President for Motion-Picture Affairs: Edward H. Reichard (1974-75)
Vice-President for Photo-Science Affairs: Roderick T. Ryan (1974-75)
Vice-President for Television Affairs: Joseph A. Flaherty, Jr. (1974-75)
Secretary: Richard S. O'Brien (1973-74)
Treasurer: Robert M. Smith (1974-75)

Those elected by their respective regions to serve on the Board of Governors for the next two years are:

New York Region: K. Blair Benson, Edward J. Messina, Jr.
Eastern Region: Raymond J. Wulf
Central Region: Robert A. Colburn
Southern Region: Leonard F. Coleman
Western Region: Anthony D. Bruno, Petro Vlahos

Governors remaining in office through 1974 are:

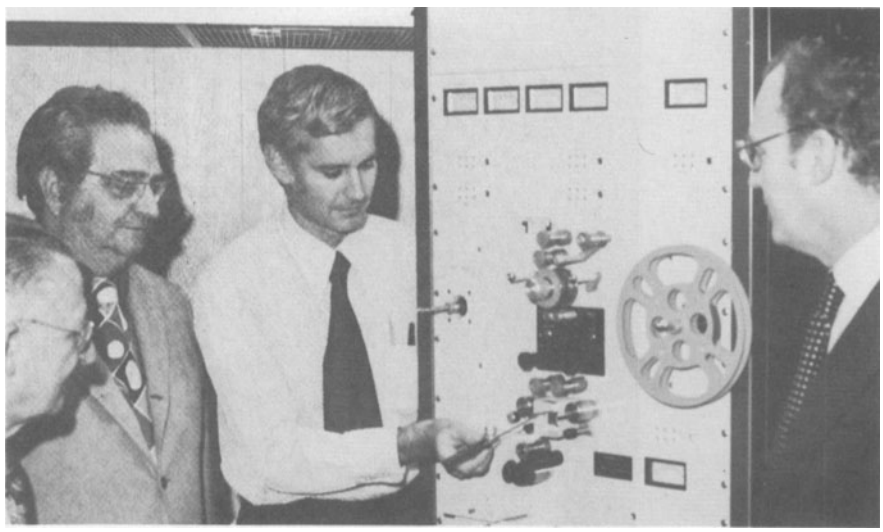
New York Region: Sheldon Nemeyer, John J. Kowalak, Herbert R. Pilzer
Eastern Region: Allan L. Williams
Central Region: Frederick M. Remley, Jr., Cornelius Zichterman
Western Region: Charles E. Anderson, Vaughn C. Shaner, Neal Keehn
Canadian Region: Harold J. Eady, Stanley F. Quinn

Questionnaire for Members

In early October, a one-page questionnaire was sent to all members with their membership dues invoices. The questionnaire is part of a study to assess the continuing validity of various Society Activities and to indicate where improvements and changes in emphasis might be made.

If you did not receive a copy of the questionnaire, or if you have misplaced it, please notify the Society Headquarters and another copy will be mailed to you immediately.

New Sound Test Equipment Installed at SMPTE Headquarters



David L. Carr, (third from left) Eastman Kodak Development Engineer, shows SMPTE's new sound reproducing equipment to SMPTE Financial Vice-President Joseph T. Dougherty (second from left) and SMPTE Treasurer Robert M. Smith. SMPTE Test Film Engineer Arthur W. Hansen, is on the left.

The SMPTE has just acquired new, specially-designed, sound reproducing test equipment for checking and calibrating sound test films the Society distributes to the industry. The equipment, designed and built by the Magna-Tech Electronic Co., Inc. has been installed at SMPTE Headquarters in Scarsdale, N.Y.

David L. Carr, Development Engineer, Manufacturing Technology Dept., Magnetic Technology Section, Kodak Park Div., Eastman Kodak Co., Rochester, N.Y., assisted the SMPTE staff in the initial set-up and calibration of the equipment.

The SMPTE sells 33 sound test films. This new equipment will insure their accuracy and that they are in accordance with established standards. The equipment is capable of measuring all magnetic and photographic sound records on 16mm and 35mm film.

A balloon-borne electronics system intended to bring radio, television and modern telecommunications to people in emerging nations has been developed by TCOM (Tethered Communications) Corp., a subsidiary of Westinghouse Electric Corp., 1801 K St., N.W., Washington, DC 20006. The new system is being tested at a site on Grand Bahama Island. The aerodynamically stable tethered balloon, called an aerostat is capable of supporting 3,500 lb of electronic transmitting and receiving equipment at altitudes of 10,000 to 15,000 ft through hurricane-force winds, the announcement stated. The balloon is tethered by long cables lighted at night to assure safety of aircraft in the vicinity. When tethered at 10,000 ft the transmitting equipment aboard the aerostat can provide line-of-sight radio and television broadcasting to a 125-mi radius area.

The Society of Photographic Scientists and Engineers (SPSE) has announced a seminar on Microdensitometry to be held 29-30 April 1974 during the SPSE 27th Annual Conference to be held 28 April-3 May 1974 at the Sheraton Hotel in Boston. The Seminar will be conducted in four sessions covering Theory of Microdensitometry and Hardware Implementation. Some of the subjects to be discussed include Microdensitometry Standardization, Physical Standards, Color Microdensitometry, Optical Systems and Density Conversion. Various applications in medicine, industry and government will also be discussed.

From its advent as a low-speed, single-scan instrument with analog output, the microdensitometer has become a high-speed, raster-scan instrument often interfaced directly to a computer or digital recording device. The level of technology and the variety of disciplines associated with the modern microdensitometer are formidable. The Microdensitometry Seminar is intended to be an important source of information for both users and suppliers of microdensitometry equipment.

CINE (Council on International Non-theatrical Events), 1201 Sixteenth St., N.W., Washington, DC 20036, has announced that the United States will be represented at 65 overseas international film festivals during 1974. Eligibility for such international competition is based on the awarding of the Golden Eagle certificate (professional) and the CINE Eagle certificate. 140 Golden Eagle certificates and five CINE Eagle certificates were awarded to United States filmmakers who participated in the Fall 1973 Golden Eagle competition. The winners were selected from the 385 Fall entries with the CINE Board of Directors as the final jury. Spe-

cialized juries of experts judged films on Agriculture/Maritime, The Arts, Crafts, Amateur, Animation Experimental, Avant Garde, Children, Business and Industry, Culture, Dentistry, Education, Entertainment, Environment, Medicine, Music, Public Health/Drugs, Religion/Social Documentary, Safety, Science, Short Subject/TV Documentary, Sports and Travel.

Parthenon Pictures/Datafilms, 2625 Temple St., Hollywood, CA 90026, has announced that its vocational guidance counseling film, *Bob & Caren & Ted & Janice* has received a CINE Golden Eagle Award.

Calvin Communications 28th Annual Motion-Picture Workshop will be held 4-6 February on the sound stage at Calvin Laboratory Div. facilities, 1105 Truman Rd., and at Calvin Production Div. Headquarters, 215 West Pershing Rd., Kansas City, MO 64108. The Workshop program will review basic procedures in all phases of motion-picture production and will provide a general overview of the industry. The program will include film examples, discussions and demonstrations conducted by members of the Calvin Staff. There will also be guest speakers and special presentations related to filmmaking. Notable films will be shown and controlled seminars will be conducted on motion-picture photography, editing and conforming, sound recording, the Writer/Director/Producer function and a number of laboratory topics. A highlight of the Workshop will be an extensive exhibit of professional motion-picture/audio-visual equipment and supplies displayed by a number of well-known manufacturers. Additional information is available from Workshop Registration Chairman, Calvin Communications, Inc., 215 West Pershing Rd., Kansas City, MO 64108.

Redlake Corp., P.O. Box 2669, 2991 Corvin Dr., Santa Clara, CA 95051, has announced a series of two-day seminars on photoinstrumentation to be held 21-22 January and 25-26 February in San Jose, Calif. The first series of six seminars began in February 1973 (*Journal,* p. 38, January 1973). Two seminars were held in November and December 1973. The seminars, conducted by Joe Saunders, include lectures on the history, applications and theory of high-speed photography and demonstrations of equipment. The seminars include workshops where those attending can use the equipment to photograph high-speed events, process and project the film and analyze the data obtained.

The Directors Guild of America has selected six persons to participate in its Producers Training Program in New York City. Selections were made from 350 applicants for the two-year apprenticeship program. Upon completion of the two-year program a participant receives a guild card as a second assistant director and after 200 more workdays he becomes a first assistant director. According to one of the participants, Peter Burrell, "The New York apprenticeship (or its counterpart in Hollywood) is just about the only way of getting into the Guild. Guild membership is almost a necessity for someone who wants to make feature films since most feature films are a union shop operation." He also pointed out that while *Easy Rider* was made by an independent film company, "it was a union job in the end. The Guild had to be appeased. The feature film business is still run by the big studios." Mr. Burrell, who attended Rochester Institute of Technology, credits Reid H. Ray, Coordinator of the Filmmaking Dept. and faculty members Richard Floberg and Martin Rennalls with providing him with the basic knowledge of filmmaking that paved the way for his acceptance as a Guild apprentice.

Birns & Sawyer, Inc., 1026 North Highland Ave., Los Angeles, CA 90038, has announced a change in its corporate structure with Jack Birns and Marvin Stern having purchased all of the shares held by Clifford Sawyer and Norman Margolin. Mr. Birns continues as President of the company. Marvin Stern is Executive Vice-President and Sam Anker, an attorney, is Vice-President and General Manager. Murray Zelickson is the new Comptroller. The firm also sold its wholly owned subsidiary in Australia (Birns & Sawyer (Australia) Pty. Ltd.) to John Barry the Australian Regional Manager. Mr. Birns will remain on the Board of the Australian corporation.

Film House, 22 Front St., Toronto, Ont., Can., one of the largest professional film-processing and sound-recording companies in Canada has reopened under new management, according to a recent announcement. Two firms are involved in the reorganization — Signum Communications Ltd., a holding company with interests in the advertising agency and television film production fields, and CanPlex Ltd., a diversified holding company with a principal ownership and management participation in Global Communications Ltd. Roger Beaudry has been given the assignment to reorganize the company, to ensure that stringent standards are maintained and to pave the way for future growth. Prior to joining Film House he was Vice-President and General Manager of Bellevue-Pathe Ltd. Film House, which will continue operation as a division of SCP Producers Services Ltd., has extensive color laboratories specializing in 35mm and 16mm color negatives and Ektachrome. Its recording facilities include three sound mixing and recording studios as well as complete sound transfer studios. The rental facilities include fully equipped editing rooms, cameras, recorders and editing equipment.

The name of the Association of Cinema Laboratories has been changed to **Association of Cinema and Video Laboratories,** it was announced by the newly elected President, Frank M. McGeary, President of Motion Picture Laboratories, Memphis, Tenn. He noted that the change of name recognizes the growth of electronic image transmission as an important supplement to motion-picture film, and a bright potential for film processing laboratories, many of them now providing video transfer services.

Other newly elected officers are: Vice-President, Robert M. Smith, DuArt Film

Laboratories, New York; and Secretary, James D. Caron, Capital Film Laboratories, Miami. William H. Smith, Allied Film Laboratory, Detroit, was re-elected Secretary, and Preston B. Bergin, Alexandria, was re-elected Executive Secretary.

Hope Reports, Inc., is now located at 919 South Winton Rd., Rochester, NY 14618. The firm was formerly at 58 Carverdale Dr. in Rochester. Hope Reports publishes three annual reports, *AV-USA 1972* (*Journal,* p. 872, Nov. 1972); *Education and Media 1972* (*Journal,* p. 586, July 1973); *Hope Reports Industry AV and Training;* and an *AV Summary 1972,* a 12-page extract containing 1971 highlights and a synopsis of the audio-visual market and its growth. It is priced at $10. The entire series of annual and quarterly reports is available on a subscription basis at $250 a year (hard-cover) and $240 for soft-cover. Outside the United States the subscription rate is $275 and $265.

Eastman Kodak Co. announced, on 1 November, four new sound super-8 products designed for professional use that will be available about the middle of 1974. The new products are the Supermatic 200 sound camera, an existing-light, single-system sound super-8 camera; a super-8 film cartridge with a capacity of 200 ft of silent or magnetic-sound super-8 film; Kodak Ektachrome SM film 7244; and the Kodak Supermatic 8 processor. The new film will be available in 50- and 200-ft cartridges. It will be available only in the super-8 format. Detailed descriptions of the four new products will appear in the New Products column of the January 1974 *Journal.*

Teaching the Use of Television, by Joseph Mersand, a 12-page booklet offering practical suggestions to teachers of high school English, is available from Mr. Mersand at 166-05 Highland Ave., Jamaica, NY 11432. He asks that a request for the booklet be accompanied by a 6½ by 9½ oak tag clasped mailing envelope, self addressed and with 16 cents postage on the envelope. There is no charge for the booklet. Mr. Mersand is an Assistant Professor in the Dept. of Teacher Preparation in York College of the City University of New York. The paper, reprinted from the *Journal of English Teaching Techniques,* suggests that students be given assignments to watch certain television programs and to evaluate and discuss them in class. For example, a suggested assignment for ninth year pupils is a study of types of daytime programs — "What Is a Soap Opera? Who Listens and Why? What Value Does It Have for the Viewer? If You Don't Like It, What Do You Recommend In Its Place?" Suggested assignments are given through the twelfth year.

HF Photo Systems Div. of Technology Inc., 11801 W. Olympic Blvd., Los Angeles, CA 90064, has established a Central Diagnostic and Service Center housing schematic diagrams, technical maintenance manuals and detailed components parts catalogs for all HF Photo Systems products. The new Center occupies about

"The cameraman said, 'You win.'

"When I started directing, I found myself drawing on all my previous experiences. As a writer, composer, and of course, as a still photographer.

"I remember one situation on my first picture. The cameraman and I had a slight disagreement about a shot into the shade with some flowers in the foreground in full sunlight. I wanted to use a screen to soften up the flowers.

"I thought it should work; after all, I'd done a similar shot with Kodak film as a still photographer.

"Anyway we did it both ways, his and mine. After viewing the dailies, he said, 'You win.' I told him, 'You had me worried. If there was that much difference between still and movie photography, I'd be in big trouble.'

"Having the confidence that I can handle the visual aspects of a picture lets me spend more time working with the actors. I like to work fast, so when the actors are right and the cameraman is happy, we print. I love one-takes. The Kodak quality I take for granted."

Gordon Parks. Director, photographer, composer, author.

1,000 ft² in the center of the 65,000-ft² Los Angeles facility. It maintains a 24-hour call service. Head of the new Center as Manager of Customer Relations is Angelo Fraticelli. Prior to his present appointment he was assisting in the modernization of the photo processing facilities at White Sands Missile Range.

Eastman Kodak Co. opened its new Pittsburg Marketing Center in the U.S. Steel Bldg. at 600 Grant St. on 11 October. The 6,000-ft² office area includes sales display areas, seminar rooms and other facilities. The new Center also contains display areas where processing equipment can be demonstrated in actual operation.

Bismuth thulium garnet, a new chemical compound which could increase by 100 times the speed of data readout in the new "bubble" memories being developed for use in computers and other information processing systems has been developed at RCA Laboratories, David Sarnoff Research Center, Princeton, NJ 07540. With the new compound light sources as low powered as light emitting diodes can be employed to read out bubble memory data. A bubble device consists of a thin film magnetic garnet epitaxially grown on a non-magnetic garnet substrate. When surrounded by the proper magnetic fields, the garnet film sustains stable, extremely small areas of reversed magnetization (domains). Although the domains appear as bubbles when the film is viewed in polarized light, actually they are tiny cylinders that can be moved electronically at high speed along predetermined paths past a sensing device. In computer language, the presence of a bubble represents a "one" and the absence a "zero."

Heretofore bubble memory technology has resisted optical readout approaches because high-powered light sources such as lasers were required, necessitating non-optical readout techniques which are slow and which reduce the data storage capacity. The RCA team, Rabah Shahbender (the head), Aline Akselrad, Richard Novak and David L. Patterson, worked to develop efficient magnetooptic techniques taking advantage of the Faraday rotation effect which (in an oversimplified explanation) converts magnetic domains to a visual pattern when the garnet film is viewed in polarized light.

In investigating the problem, Dr. Akselrad discovered a new composition, a bismuth thulium based garnet which had (1) magnetic bubble properties similar to those of the best compositions proposed so far, (2) a lattice constant that matches the commercially available non-magnetic garnet substrates and (3) a very large Faraday rotation; that is, she now had a material that would be good for the generation and propagation of bubbles as well as their optical detection. Adapting liquid epitaxial growth techniques used to grow other garnets and electronically active semiconductor material, Dr. Novak was successful in growing thin films of the new composition which does not exist in nature. Since the light source can be a solid-state light-emitting diode and the detector a P-I-N diode, and because the light-emitting and detecting diodes can be placed on the top and bottom of the garnet without requir-

ing bubbles of increased size, the readout speed can thus be increased by as much as a factor of 100 compared with conventional bubble memories.

Andrew Szegda has been appointed President of Broadcast Electronics, Inc., a subsidiary of Filmways, Inc., 1800 Century Park East, Los Angeles, Calif., it was announced by Richard L. Bloch, Chairman of the Board of Filmways. Mr. Szegda was formerly a division general manager for General Instrument Corp. Broadcast Electronics, located in Silver Spring, Md., is the manufacturer of Spotmaster tape cartridge recorders and reproducers as well as related audio equipment.

Saul Jeffee, President of Movielab, Inc., 619 W. 54 St., New York, NY 10019, was honored by the Film Society of Lincoln Center at the close of the New York Film Festival. He was cited as a "generous benefactor" and "distinguished leader, invaluable fellow-officer and board member." He was presented with a silver tray by William F. May, Board Chairman of the Film Society of Lincoln Center.

Ellsworth C. Dent has been appointed International Marketing Consultant to the Dept. of Motion Picture Productions, Brigham Young University, Provo, UT 84601. He has previously been associated with BYU in 1933 when he started the film library. He left the university to become Director of the Motion Picture Div. of the U.S. Department of the Interior in Washington, D.C. During the years he held other important posts in motion-picture and educational organizations, the most recent being Executive Vice-President of the Esquire Education Group.

John Leusink has been appointed President and Chairman of the Board for Eclair Corp. of America, 62 W. 45 St., New York, NY 10036. He will maintain offices in London, Paris and New York. Prior to his present appointment he was with a Swiss banking corporation where he was Senior Executive for African Affairs as well as a financial, economic and industrial development advisor to a number of African governments.

S. Bryan Hickox has been elected President of Milestone Productions, Inc., Video Text Productions, Inc., and Production Services, Inc., with joint administrative offices at Lankershim Blvd., North Hollywood, CA 91602. Milestone is involved in the production of feature motion pictures and network TV properties. Video Text handles educational, industrial and medical properties. Production Services packages, sells, distributes and syndicates TV properties as well as acting as consultant to entertainment companies which shoot on videotape for release on film. Mr. Hickox was formerly with Image Transform, Inc.

3M Company's Minicom division has announced two new appointments. Scott E. Goff has been appointed Product Sales Manager, Video Products, and David A. Bixler has been appointed Product Sales Supervisor, Test and Instrumentation Products. Both men joined 3M in 1962.

Eastman Kodak Co. has announced four appointments in the Motion-Picture and Audio-Visual Markets Div. of the U.S. and Canadian Photographic Div.: Arthur T. Brown has been appointed Manager, Advertising Programs; Thomas J. Hargrave, Jr., has been appointed Coordinator, Exhibits and Meetings; Otis E. Finley, Jr., has been appointed Manager, Promotion Programs; and James E. Reedy has been appointed Manager, Publications Programs.

Pat Singh has been appointed Director, Foreign Sales for Alan Gordon Enterprises Inc., 5362 North Cahuenga Blvd., North Hollywood, CA 91601. He has been with the firm for about a year and has an extensive background in sales and equipment fields.

A. Devon Giacalone has been appointed Sales Representative for the Electronic Components Group of GTE Sylvania Inc., at Danvers, Mass. In her new post she will be responsible for sales of Sylvania TV picture tubes, receiving tubes, ECG replacement semiconductors and special products to distributors in several New England states.

Obituaries

Karl-Erik Gondesen

Dipl.-Ing. Karl-Erik Gondesen died at Munich on 20 September.

Mr. Gondesen, long a member of the Society and contributor to the Society's annual Progress Report, was widely known internationally for his work for standardization. A description of his many activities and contributions appeared in a Biographical Note in the September 1973 *Journal*, p. 800.

In mid-1973 the Society's Board of Governors chose Mr. Gondesen along with others to be a Fellow of the Society, with the presentation to be made at the 114th Conference. The Society was honored to have his widow, Magda Gondesen, accept the award during the ceremony on 15 October at the Conference in New York. The wording of the award is published with the Conference Report also in this issue of the *Journal*.

John Colburn

John Colburn, President of John Colburn Associates, died 11 September 1973, at the age of 64, in his home in Sturgeon Bay, Wis.

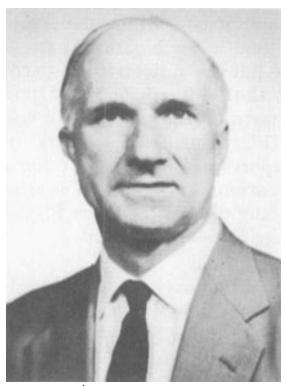
Mr. Colburn was educated at the University of Wisconsin where he completed a premedical course in 1932; however, instead of completing his medical training he joined his elder brother, Geo. W. Colburn (who died 12 January 1973), in developing new methods of printing and processing techniques for 16mm film and in devising new applications of 16mm film to industry and education.

In 1936 the Geo. Colburn Laboratory moved to Chicago's Merchandise Mart. The Laboratory was incorporated in 1946 and John Colburn was elected a Director and Secretary-Treasurer. Before that, according to his own description of his activities, he had "done everything from hand-setting type for titles, through printing, processing, editing, sound recording and script writing." At that time he was principally engaged as customer-contact man and office manager.

In 1953 Mr. Colburn formed Colburn Film Services, Inc., to handle the production activities of the Geo. W. Colburn Laboratory. In 1958, the production operation was dissociated from the Laboratory and the name of the firm was changed to John Colburn Associates, Inc. John Colburn was President of the firm, which, at the time it was founded, was located in Wilmette, Ill.

This summer he moved the firm to Sturgeon Bay, Wis., where he had had a summer home for many years.

He had been a member of the Society since 1947.



Charles Vinten

Charles Vinten, of Totteridge Common, London, England, died 27 August 1973 at the age of 65.

Educated at Margate College, he served an engineering apprenticeship with the Williamson Manufacturing Co. in Willesden, manufacturers of aerial cameras and other cinematographic equipment. Following the death of his father in 1937 he became, at the age of 29, the Managing Director of W. Vinten, Ltd., in Cricklewood. He led the company successfully through the difficult war years when the firm's production facilities were entirely turned over to aerial and other special cameras for military use. After the war ended he directed the company into the (then) new television industry where it is now established as one of the most important manufacturers of television equipment.

A talented inventor, Mr. Vinten was instrumental in the development of aerial cameras of new types; in 1953 he manufactured successfully the first 70mm high-speed aerial camera. The camera, in its various forms, is now used throughout the world for military reconnaissance. He also played a considerable part in the develop-