SMPTE Receives TV Academy Citation for Videotape Time and Control Code

SMPTE President Kenneth Mason holding the Citation presented to the Society by the National Academy of Television Arts and Sciences.

The SMPTE-sponsored Videotape Time and Control Code (ANSI Standard C98. 12-1975) which has become a basic element in television broadcasting technology was recognized at the National Academy of Television Arts and Sciences Emmy Award by the presentation of an Academy Citation. The nationally televised Emmy Ceremonies were held 19 May in Hollywood and the SMPTE award was accepted on behalf of the Society by SMPTE President Kenneth M. Mason, Assistant Vice-President of Eastman Kodak Co.

The Academy Citation honored SMPTE's important contribution to the television industry. An earlier award, an Oscar was presented to the Society on 26 March 1958 at the Motion Picture Academy Awards Ceremonies in recognition of the Society's 42 years of service to the motion picture industry.

In 1966 at the Venice Biennale, the *Journal of the SMPTE* received the Silver Lion of St. Mark award, the highest award in the category of technical periodicals presented at the Biennale.

Important Development

The Videotape Time and Control Code as indicated by the TV Academy Citation is one of the most important developments of recent years to affect the television industry. Its development resulted from the intensive study and research carried out by the SMPTE Subcommittee on Time and Control Codes.

The March 1972 issue of the *Journal* contains several papers which, together with the transcript of a panel discussion that took place at the 106th Conference of the SMPTE, provide an insight into the process of the development of the universal videotape time code recognized by the TV Academy Citation.

EDUCATION INDUSTRY NEWS

Academy Awards

The annual Scientific and Technical Awards of the Academy of Motion Picture Arts and Sciences were presented to the 1974 recipients at the Beverly Wilshire Hotel in Los Angeles on 3 April.

The awards were presented by Walter Mirisch, President of the Academy and Gregory Peck, a Past President. Mr. Mirisch and Mr. Peck were introduced by Wilton R. Holm, Chairman of the Scientific and Technical Awards Committee of the Academy.

"We are here today because we are not glamorous," Mr. Holm said in his introductory remarks, "but we *are* important. Make no mistake about that," he added emphatically.

In a few perceptive comments on the role of the scientist and technician in motion pictures he said, "The motion picture was born of technology, it grew up in technology, and without technology there could be no motion pictures. Scientists and engineers conceive and produce the tools, materials, techniques and facilities by which the motion picture has become the most potent medium the world has yet known for communicating with human minds and emotions.

"But it is not these scientific or technological achievements, per se, that have made the motion picture great. Rather, it is what these achievements have made it possible for creative artists and craftsmen to do that interests movie audiences the world over. We know this and we accept it as our lot in life."

Mr. Holm went on to say that the Academy's Scientific and Technical Awards Committee was asked to judge 23 achievements presented for consideration during 1974. After a long series of meetings and demonstrations, the Committee recommended the seven awards which were voted by the Academy's Board of Directors, President Mirisch and Past-President Peck.

Class II Awards (plaques) were presented to:

Joseph D. Kelly of Glen Glenn Sound for the design of new audio control consoles which have advanced the state of the art of sound recording and rerecording for motion-picture production. These achievements repre-

Wilton R. Holm, Chairman of the Academy's Scientific or Technical Awards Committee.

Walter Mirisch presenting award to Richard J. Stumpf of Universal City Studios Sound Dept. for creating Sensurround System.

Award winners (top row): Sante Zelli, Robert K. Hagel, Joseph D. Kelly, Donald C. Rogers, Louis Ami; (bottom row): Albert P. Green, Robert L. Bennett, Waldon O. Watson, and Robert J. Leonard.

Gregory Peck, Walter Mirisch, Academy President; and Joseph D. Kelly of Glen Glenn Sound (holding the award for the design of new audio control consoles).

Gregory Peck, Walter Mirisch and Robert L. Bennett of Quad-Eight Sound Corp. (holding award for engineering and construction of new audi control consoles).

sent a new generation of audio mixing-consoles which uniquely provide the flexibility to receive inputs from microphones and sound reproducers and to mix, process and combine them into desired outputs for recording in any configuration.

Burbank Studios Sound Department for the design of new audio control consoles engineered and constructed by the Quad-Eight Sound Corp. These new consoles have advanced the state of the art of sound recording and rerecording for motion picture production.

Samuel Goldwyn Studio Sound Department for the design of a new audio control console engineered and constructed by the Quad-Eight Sound Corp. This new console has advanced the state of the art of sound rerecording for motion-picture production.

Quad-Eight Sound Corporation for the engineering and construction of new audio control consoles designed by the Burbank Studios Sound Department and by the Samuel Goldwyn Studio Sound Department.

Waldon O. Watson, Richard J. Stumpf, Robert J. Leonard and the Universal City Studios Sound Department for the development and engineering of the Sensurround System for motion-picture presentation. The Sensurround System generates audible and subaudible frequencies which enhance audience sensory experiences of special-effect film scenes. The ingenious design of the system makes use of unique amplifiers, control logic and acoustic transducers.

Class III Awards (citations) were presented to:

Elemack Company of Rome, Italy, for the design and development of the Spyder camera dolly. A compact, versatile camera platform, it permits easy access and advantageous positioning of a motion-picture camera in restricted spaces or other difficult locations.

Louis Ami of the Universal City Studios for the design and construction of a reciprocating camera platform used in creating photographic special visual effects for motion pictures. The unique camera mount provides the means to control and to repeat camera motions that create the image instability required in motion-picture scenes such as those involving moving vehicles, earthquakes or explosions.

Educational Television in Turkey

A closed-circuit educational television system — the first of its kind in Turkey — was established on a small scale and on a trial basis at the Academy of Economic and Commercial Sciences in Eskişehir. After about a year, the encouraging results of this (in Turkey) new educational method prompted plans for expansion. Its effectiveness in aiding students to learn and teachers to teach was noted by the Academy which also observed that the project is in close agreement with the purposes set forth by the Second Five-Year Development Plan and the report by the Special Commission on Higher Education which is to be the basis of the Third Five-Year Development Plan.

The expansion of the educational television project involved organizing it as an Institute, and it was designated the Institute of Educational Television. The Eskişehir Academy first offered the use of the system to other academies (Economic and Commercial Sciences; and Architectural Engineering). Plans for the future include making the system an example of the use of television as an effective tool at every level of the educational system. The objectives of the project are, first, effectiveness in education and, second, development of human resources.

Effectiveness in Education

The Eskişehir Academy presently records the lectures of the faculty members on videotapes and runs the tapes later for the benefit of students who did not understand parts of the lectures and for others who, for any reason, want the lectures to be repeated.

Other plans for bringing about effectiveness in education include:

(1) broadcasting the lectures of the faculty members to large numbers of students in many small classrooms or to large auditoriums with many television sets;

(2) recording the lectures of university and academy faculty members on videotapes using the studio facilities at the Eskişehir Academy and making them available for use by other academies which may have a limited number of faculty members;

(3) using the system to record and broadcast lectures of members of university faculties who do not teach at the academies and thus establish a system of exchange among institutions of higher learning;

(4) to cooperate with the educational television systems of European universities and thus acquire the videotapes of lectures given by foreign professors. The tapes would be translated into Turkish and distributed to the academies, bringing awareness of new scientific developments to Turkey as fast as possible; and

(5) to establish the system as an experimental facility to be the basis for a national Union of Closed-Circuit Educational Television which could be formed by the various institutions of higher learning.

Development of Human Resources

The introduction of television has been a rather recent development in Turkey and at present there is an insufficient number of television technicians and few program producers capable of Western quality work. The newly formed Institute of Educational Television is geared to supply the country with trained personnel. A professional studio building is being built with local resources and if instructors, both Turkish and foreign, can be acquired plans for developing trained technicians and program directors for the Turkish television industry can be put in effect. The plans are:

(1) to accept graduates each year from various academies and universities for courses, both practical and theoretical, related to the various aspects of television program production;

(2) to offer courses in advertising techniques;

(3) in order to close the large gap between the number needed and the number available of television repairmen, special courses in television repair will be offered to young people who have not been able to finish high school;

(4) to offer summer courses to students of teacher training institutions with the intention of teaching techniques and methods related to the use of television for educational purposes;

(5) in order to take maximum advantage of the proposed facilities courses will be offered in motion-picture and still photography techniques. — *Prof. Dr. Yilmaz Büyükerşen*

Ed. Note: Prof. Büyükerşen has requested us to announce that the Institute of Educational Television needs publications on ETV including technical equipment catalogs and price lists, published reports, lists of available films, filmstrips and slides and other relevant material.

The Ninth Plenary Meeting of the International Standards Committee on Cinematogra-

phy, ISO/TC 36 will be held 17-24 May 1976 in Paris, France. As in the past, the SMPTE has assumed the responsibility for organizing the USA Delegation to the International Meeting. The Society welcomes those specialists who wish to participate in the meeting. Further information is available from: Alex E. Alden, SMPTE Staff Engineer, 862 Scarsdale Ave., Scarsdale, NY 10583.

Brigham Young University, Provo, UT 84602, has announced the formation of the Division of Media Development and Production combining the Motion Picture, Instructional Television, Instructional Photo-Graphics, Photo Studio and Filmstrip Production units. The new division reflects the technological developments of the last few years and provides an in-depth study of the educational applications for film, videotape, videodiscs, filmstrips and slides.

The Design Department includes a team of writers and designers for all audiovisual media. The Media Production Department consists of motion picture, television and photographic studio facilities and specialist personnel to serve any media production requirements. The Media Post Production Department includes all sound recording, sound reinforcement, mixing duplicating, and film; slide and electronic editing; display, projection, processing and duplicating services; and dialogue replacement in some 34 languages.

A central work planning and flow control section reserves time for all production personnel, facilities and equipment and provides phase by phase status reports on all productions. Computer printouts provide budget control and productivity statistics for personnel, facilities and equipment.

A recent realignment within the academic program provides for theoretical and practical training and updated training and retraining through the Departments of Theatrical and Cinematographic Arts and Communication.

Head of the newly formed Department of Media Post Production is Eddy H. A. E. Zwaneveld, Technical Consultant at BYU.

The Kent School, Kent, CT 06757, has announced the 6th Summer Film Institute to be held 9-23 August. A grant from the National Endowment for the Arts will be used to support continued study in film production and film history and criticism during the 15-day intensive course which includes more than 180 hours in seminars, workshops and screenings. The course, expressly designed for film students and educators interested in all phases of film, will offer both graduate and undergraduate credit from the University of Bridgeport. Staff members, under the leadership of Tom Andrews, Kent film educator and writer, come from all phases of the film industry. The film production unit will be led by award-winning filmmaker Warren Bass. The film history/criticism unit will be led by Edmund Fuller, literary critic of the *Wall Street Journal,* and Michael Kerbel, film critic and professor of film at the University of Bridgeport.

The University Film Assn. (UFA) will hold its 29th annual conference 18-22 August on the campus of the Rochester Institute of Technology. Filmmakers, film teachers, historians and students from some 200 colleges and universities in the United States, Canada and overseas will attend motion-picture and television technical sessions and will participate in field trips.

Theme of the 29th conference will be Prologue to Century III. At the technical sessions the promise of videodisc systems, videocassettes and videotape recording will be compared with super 8 and new trends in 16mm and 35mm films.

Peter Dart of the University of Kansas is Program Chairman and Reid H. Ray of RIT is Local Arrangements Chairman.

The field trips will include visits to the Eastman Kodak Research Laboratories and the Marketing Education Center. A special program is being arranged for UFA delegates at George Eastman House.

Further information is available from Prof. Reid H. Ray, School of Photographic Arts and Sciences, Rochester Institute of Technology, 1 Lomb Memorial Dr., Rochester, NY 14523.

Application of Optical Instrumentation in Medicine IV is the subject of a meeting to be held 25-27 September in Atlanta, Ga., as part of the SPIE/SPSE Technology Utilization Program and Instrument and Equipment Display. Sponsored jointly by the Society of Photo-Optical Instrumentation Engineers and the Society of Photographic Scientists and Engineers, the meeting is co-sponsored by the Bureau of Radiological Health, Department of Health Education and Welfare. Papers will be presented in such subject areas as: Intensifying Screens Including Rare Earth Screens; Nonsilver Photosensitive Image Forming Systems; Image Intensifiers and Photo-Recording Methods; Acceptance Testing and Performance Evaluation of Medical Imaging Systems; and a number of other related subject areas.

The Hungarian Optical, Acoustical and Filmtechnical Society has announced that the 7th Conference on Scientific and Applied Photography will be held 11-14 November and not 8-11 April as previously announced (*Journal,* p. 620 July 1974). The change of the date of the meeting was occasioned by "unexpected hindrances," according to the announcemennt. Further information about the conference may be obtained from Mrs. Vera Vadász, Optikai, Akusztikai és Filmtechnickai Egyesület, Budapest, VI, Anker köz 1, Hungary.

Information Film Producers of America, Inc., 7080 Hollywood Blvd., Suite 114, Hollywood, CA 90028, has expanded its Cindy competition for 1975 to include 35 mm filmstrips and slides with sound supplied on a tape cassette utilizing the silent 50 Hz or 1000 Hz automatic advance, according to a recent announcement. Cartridges will not be accepted. The purpose of including filmstrips and slides in the competition is to attract more educational entries, the announcement stated. The Cindys will be awarded during the IFPA National Conference to be held 22-25 October at Vacation Village Hotel, Mission Bay, San Diego, Calif.

CINE (Council on International Nontheatrical Events) has announced newly elected officers for the 1975-1976 term: President, James G. Damon, Jr., Mgr. of Visual Communications, IBM Corp., Armonk, N.Y.; First Vice-President, Bernard Landou, Mgr., Creative Services, New York Stock Exchange; Vice-President, Finance, Frank Kavanaugh, Associate Director, Airlie Foundation, Airlie, Va.; Vice President, Information, Carl H. Lenz, President, Modern Talking Picture Service; Vice President, Festivals, O. Steve Knudsen, Head, Media Resources, Iowa State University, Ames, Iowa; and Vice-President, Selections, J. Edward Oglesby, Educational Supervisor, Virginia State Department of Education, Richmond, Va.

CINE is a voluntary, nonprofit organization the purpose of which is to select the best short films, both professional and amateur, made in the United States for submission to international film festivals.

The University of Southern California is the recipient of an extensive collection of recent television scripts donated by television casting director Sally Powers of Columbia Pictures Screen Gems Division. Among the scripts is that for QB VII, a critically acclaimed television motion picture nominated for 13 Emmy Awards. The Sally Powers Collection will be part of USC's Special Collections Department in Doheny Library.

The CP-16 Maintenance Training Seminar will be held 26-27 September 1975 at the Cinema Products facilities in West Los Angeles, it was announced by Ed DiGiulio, Cinema Products President. Designed for TV-newsfilm/documentary cameramen, TV station and dealer service technicians, the CP-16 Maintenance Workshop/Seminars emphasize effective trouble-shooting, preventive care and simple repairs under field conditions. Further information is available from Ed Clare, Seminar Coordinator, Cinema Products Corp., 2037 Granville Ave., Los Angeles, CA 90025.

The 15th Audiovisual Institute for Effective Communications will be held 12-17 October on the campus of Indiana University at Bloomington, Ind., under the auspices of the National Audio-Visual Assn. (NAVA), 3150 Spring St., Fairfax, VA 22030. The program, an intensive five-day course is designed especially for training directors and educational media specialists in business, industry, education, government and the health sciences. The Institute is co-sponsored by the Audiovisual Center of Indiana University.

The Raymond Davis Scholarship Fund has been established by the Society of Photographic Scientists and Engineers, 1330 Massachusetts Ave., N.W., Washington, DC 20005, to honor the memory of Raymond Davis who died 5 September 1974 in Washington, D.C., at the age of 86. He had made many important contributions to photographic sensitometry, colorimetry and microphotography and was a charter member and the first President of SPSE. The fund will be used toward scholarships for students of photographic science or engineering.

The Association of Cinema & Video Laboratories, Inc., 901 N. Washington St., Alexandria, VA 22314, has requested elimination of the import duty on exposed motion-picture film in hearings before the U.S. International Trade Commission. Removal of the 3.1% ad valore duty on such film products would provide increased employment, activity and receipts for

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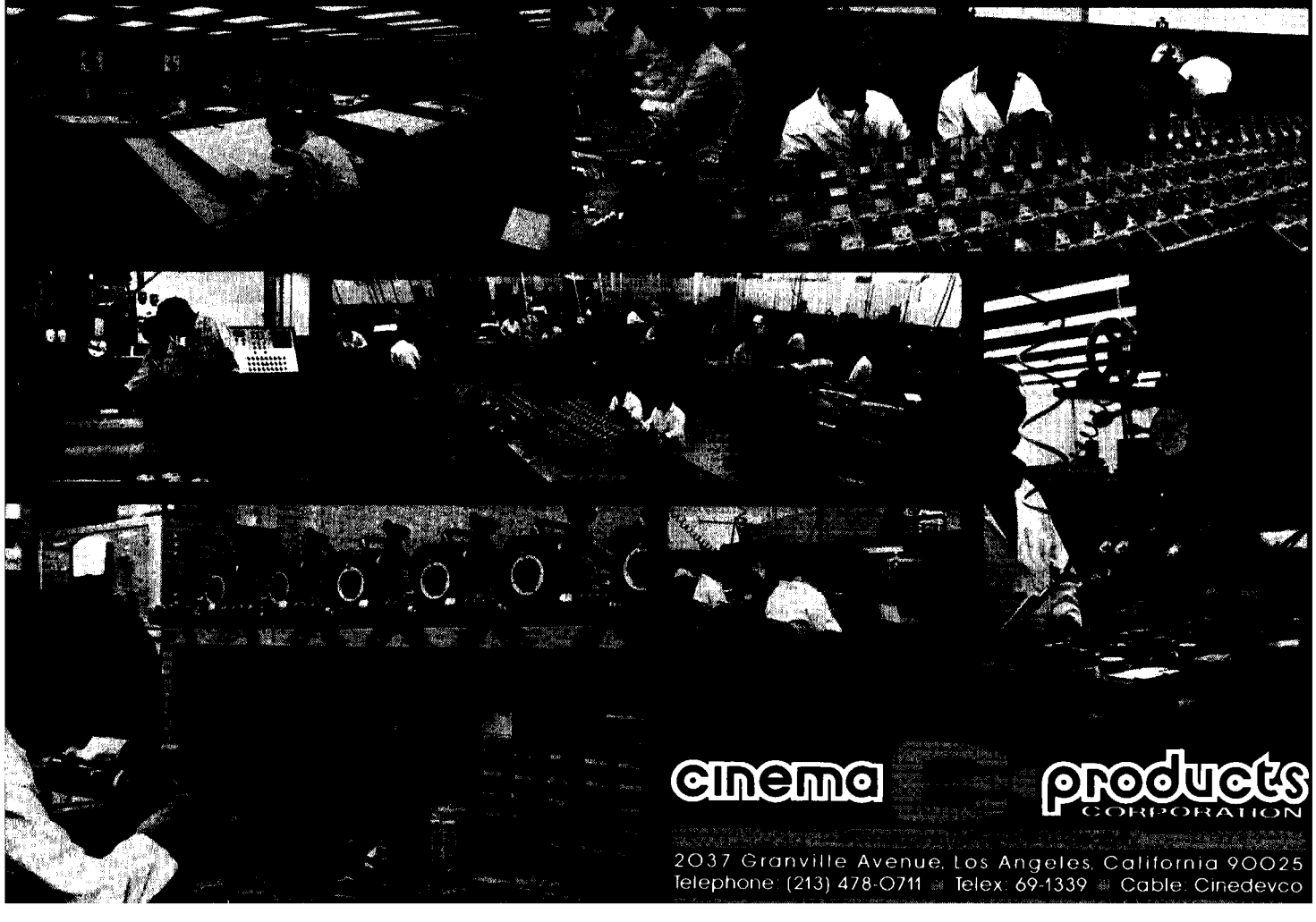

cinema products CORPORATION

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motion-picture services firms throughout the country, ACVL contends.

Spokesman for ACVL at the Commission's Washington hearings was Norman Stein, Technicolor Vice-President, who stated that "motion-picture negatives or internegatives can be imported into almost any other country in the world duty-free."

He told the Commission that "The introduction of color television throughout the world creates a great opportunity for American labs and other service firms to do editorial, optical and other laboratory work if the original negative could enter this country without the penalty of a duty charge on top of regular lab service charges."

Commission hearings are being held in major cities throughout the country to implement the new foreign trade authorizations granted to the President by Congress in the Trade Act of 1974.

Communication in Humans and Other Animals is the title of a lecture-discussion presented at the University of Southern California by Prof. Percy Tannenbaum, a professor of communication and psychology, a guest professor at USC's Annenberg School of Communication. The lecture covered five years of research during which Prof. Tannenbaum studied the primitive aspects of human communication in monkeys and other animals and the effects of various media on them. He once conducted a six-months study of monkeys watching television. He came to the conclusion that the television-watching monkeys were "surprisingly like humans and that the media has similar effects on them."

Chemical Abstracts Service Source Index lists the journals available in 399 libraries in 28 countries. Three forms of a publication title are given; the full title in the Roman alphabet (transliterated if necessary); the Anglo-American Cataloging form; and the International Standards Organization standard title abbreviations. A specific library's holdings of a particular journal are shown under the title of the publication making it easy to locate a library that has the required journal.

In addition to the three methods of identifying the title of a publication, an additional method, the CODEN, is given — a compact, five-character unambiguous title abbreviation suitable for representing titles in a computer readable system. A sixth digit, a check digit, is provided to computer-check the accuracy of the first five characters.

The *Index* also lists libraries by their Library of Congress National Union Catalog symbol and by the name of the sponsoring institution; indicates which of the journals monitored by Chemical Abstracts Service are also monitored by BioSciences Information of Biological Abstracts and Engineering Index, Inc.; indicates the journals included in the Original Article Tear Sheet Service; provides library holdings information and bibliographic descriptions for patent gazettes; provides a list of selected directories of microform publications; and lists the 1,000 primary journals most frequently cited in *Chemical Abstracts*. *Chemical Abstracts Service Source Index* is published by Chemical Abstracts Service, Ohio State University, Columbus, OH 43210. Copies of the *CAS Source Index*, 1907-1974 cumulative plus supplements for the years 1975 through 1979 are priced at $550 each. Without the supplements the price is $200. The supplements are available at a price of $100 per year.

A handheld laser system for accurate determination of the range of a military target in one second is being designed and built by RCA Corp. for the U.S. Army, according to a recent announcement. About the size of field binoculars, which it resembles, the laser device, called AN/GVS-5, measures the range and displays it as a numeric readout in the sighting eyepiece. In operation the user sights the target through the eyepiece and activates the system by pushing a "fire" button. The laser emits a narrow beam at the target and the reflected energy from the target is received by the device's receiving system. To determine range the system calculates the time it took the light to make the round trip to the target. The range in meters is then displayed within the eyepiece. The operation from the time the laser is activated takes about one second. The system employs a neodymium YAG laser with an emission wavelength of 1.06 μm.

Sony Corp. of America, 47-47 Van Dam St., Long Island City, NY 11101, has announced the availability of eight training tapes made especially for the Sony VO-2850, a U-Matic videocassette recorder/player with electronic editing.

Five of the tapes run for 60 min and three run for 30 min. Subjects covered are operation, technical overview, luminance signal processing, servo system, editing audio, system control and mechanical maintenance. The complete series is priced at $256, but the tapes can be purchased separately.

Herbert Eisenberg has been appointed Manager of the 8mm Laboratory Div. of Movielab, Inc., 619 W. 54 St., New York, NY 10019. He was formerly with Cine Magnetics and Du Art Film Laboratories. In his new post he will oversee all operations within the 8mm Division and will report to Movielab's Executive Vice-President in charge of Production, John J. Kowalak.

George Hoag has been appointed National Sales Manager of the Consumer Photoprocessing Div. of Technicolor, 6311 Romaine St., Los Angeles, CA 90038. He will be responsible for all national photofinishing accounts and will direct the division's dealer marketing programs.

Arthur A. Schubert, Jr., has been appointed Director of Engineering for Ward-Beck Systems Ltd., 841 Progress Ave., Scarborough, Ont. M1H 2X4, Canada. He was formerly Chief Development Engineer for Neve Electronic Laboratories Ltd. in England. Earlier he was a member of the CBS Television Engineering Department. In his new post he will be responsible for engineering management in the design and production of Ward-Beck audio consoles and related products.

Richard W. Burden has joined Automated Processes, Inc., 80 Marcus Blvd., Melville, NY 11746, it was announced by Louis Landauer, President. Mr. Burden has held positions in education, technical writing, circuit design and project management. Projects have included audio console design, product development, system design of studio facilities, FM transmission systems and limited area transmission systems. He will maintain his office at 2094 Sherman Way, Canoga Park. CA 91303.

A series of promotions at Deluxe Laboratories, a division of DeLuxe General Inc., 1546 North Argyle Ave., Hollywood, CA 90028, has been announced by Fred E. Austin, Vice-President of Operations for the Laboratories. Ellis Mills and Ron Jarvis who have been serving as assistant superintendents become, respectively, Plant Superintendent, Argyle, and Plant Superintendent, Serrano. Plant Engineer Everett Hanson has been promoted to Technical Director. Three production assistants, Tom Johnston, Mike Lamendola and Walter Rice, have been promoted to Production Managers. Production Assistant Ted Hageman has been named Printing Supervisor.

Len Richardson has been appointed Manager of Rank Video, it was announced by Raymond Dutfield, Managing Director of Rank Film Laboratories. Mr. Richardson, who succeeds David Swan, who has left the industry, was formerly with Independent Television News first as Production Manager and later as Facilities Controller. His new headquarters will be at Rank Video, 142 Wardour St., London, W1V 4BU, England.

Harvie E. Schwartz, Jr., former manager of the engineering laboratory of Goldmark Communications, has joined Byron Motion Pictures, Inc., 65 K St., N.E., Washington, DC 20002, as manager of technical operations of Byron's video services laboratory. While he was with Goldmark, Mr. Schwartz managed the company's automated CATV pay-television orginating systems, the Philips VCR in-house motion-picture system for hotels and motels, the Trans-Scan system for film-to-tape transfers and a number of other electronic projects. In his new post he will be responsible for all activities and services of the video laboratory.

Tiemo Von Zweck has been appointed Product Manager of Electro Optical Systems at Optical Radiation Corp., 6352 North Irwindale Rd., Azusa, CA 91702. Mr. Von Zweck was formerly Product Manager for Varian Corp.'s Eimac Div. in Sunnyvale, Calif., where he was in charge of the company's illuminator line including xenon illuminators, lamps, power supplies and searchlight systems. In his new post he will have the responsibility for development and marketing of high-intensity illuminators for commercial and military markets.

Allan J. Behr, General Manager of Videomax, and **Donald E. Prather,** General Manager of CMX Systems have been appointed Vice-Presidents of Orrox Corp., it was announced by William H. Orr, President. Orrox Corp. acquired Videomax in 1973 and CMX Systems in 1974. Videomax specializes in the rebuilding of magnetic video heads for the broadcast television industry. CMX Systems produces computer-assisted television tape editing systems.