

Toronto-Rochester Little Convention

The Toronto-Rochester Little Convention will be held 17 November at the Four Seasons Sheraton Hotel in Toronto. Pre-registration and the hospitality reception will take place on the night of 16 November. The Technical Sessions will be held 17 November in the Dominion Ballroom. The 1973 Little Convention will end with cocktails, dinner, and dancing in the Benny Louis Orchestra in the Civic Ballroom. Further information is available from Peter Mugford, 147 Viewmont Ave., Toronto, Ont., Can. M6B 1L5.

The Little Convention is an annual event of some dozen years standing. It began when members of the Canadian Section (now the Toronto and Montreal/Ottawa Sections) invited members of the Rochester Section to a joint meeting. Since then, the Little Convention has been held each year in the fall with the meeting place alternating between Toronto and Rochester.

Principles of Color Technology, a course sponsored by the Cleveland Section of the

American Chemical Society, will be held 8-10 November in the Statler Hilton Hotel in Cleveland. The course is designed for industrial scientists, engineers and technologists concerned with the description, measurement and specification of color. Its purpose is to introduce the principles of the science of color and to apply them to typical problems in industrial color technology. The main divisions of the course are the visual perception of color, the quantitative description of color and applications of color science in color matching and color difference assessment. The minimum background required for the course is a B.S. degree in science or engineering or several years experience in industrial color technology. The course will be conducted by Fred W. Billmeyer, Jr., Professor of Analytical Chemistry and Director of the Rensselaer Color Measurement Laboratory, Rensselaer Polytechnic Institute. Further information is available from the Dept. of Educational Activities, American Chemical Soc., 1155 Sixteenth St. N.W. Washington, DC 20036.

The Society of Photographic Scientists and Engineers (SPSE), 1330 Massachusetts Ave., N.W., Washington, DC 20005, has announced the slate of officers for a two-year term which began 1 July 1973: President, Howard J. Hall; Executive Vice-President, Allie C. Peed; Education Vice-President, Albert F. Gallistel; Public Relations Vice-President, Raymond A. Eynard; Science Vice-President, Calvin S.

McCamy; and Secretary, Albert G. MacNaul.

The Society of Photographic Scientists and Engineers held its 26th annual conference 6-11 May in Rochester. It was attended by more than 1000 persons from Europe, Japan and Canada as well as from the United States. One of the highlights of the conference was a Symposium on Photographic Processing conducted by William Lee of Eastman Kodak Co. Prof. Hollis Todd of the Rochester Institute of Technology was Chairman of the technical sessions, which covered such fields as radiography, unconventional photographic systems, image evaluation, image processing, scanning systems, electrophotography, silver halide systems, ecology, statistics, psychophysics and education.

The SPSE 27th annual conference will be held 28 April-3 May at the Boston-Sheraton Hotel in Boston, Mass.

Forthcoming SPSE meetings other than the annual conference will include a tutorial seminar on Color: Theory and Imaging Systems to be held 20-21 September in New York; a tutorial seminar for laboratory technicians on Process Control Techniques in the Photographic Industry to be held 19 October in New York; and the fall symposium to be held 23-26 October in Washington, D.C.

Further information is available from Raymond A. Eynard, Public Relations Vice-President, SPSE, P.O. Box 2001, Teterboro, NJ 07608.



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Often referred to as the standard of the motion picture and television industries, the NAGRA 4.2L recorder offers synchronous recording at 3 speeds, 15, 7½, and 3¾ ips. Included are two microphone inputs plus a line input which may be converted to a third microphone input by using an external pre-amp.

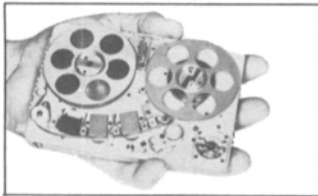
Other features are Internal Battery Power, Self-Resolving, Crystal Sync, Camera Speed Indicator and Automatic Level Control.

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The SL stereo sync recorder is the most versatile production recorder for both feature motion pictures and television production. Also offers non-sync recording for disc and tape release with NAGRAMASTER & NAB recording, preset width of stereo disc cut, single two-needle modolometer and clutch coupling of the mixing dials, microphone phase checking and correcting, push-button 1.KHz oscillator used to record a reference level on the tape. Self-contained power makes this stereo recorder ideal for remote recording of musical groups on interior or exterior locations.

NAGRA SNN & SNS



The NAGRA SNN and SNS Mini 1 Lb. 1 Oz. recorders are finding increasing use in the motion picture and television industries, as well as in scientific fields. The SNN provides NAGRA quality and records 27 minutes at 3¾ ips with a frequency response of 40.Hz to 12.KHz. The SNN may be easily concealed on the actor and the direct reel-to-reel recording eliminates wireless microphone problems. The SNS records 3 hours 40 minutes at 15/16 ips and can be used with the 10:1 speed-ratio technique for low frequency recording and subsequent high speed analysis.

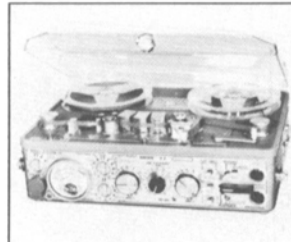
NAGRA SJ & SJS



The SJ recorder was designed for use in the scientific and instrumentation field, with emphasis on noise and vibration study requirements. Four-speed, two-tracks NAB amplitude-moulated, with FM third track. AM channels have a frequency response of 2.5 Hz to 35.KHz. FM channel records between DC and 4.KHz for recording of commentary, sync, cue, timing information, etc.

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NAGRA LJ



The NAGRA LJ Scientific Recorder combines the low frequency recording capabilities of the NAGRA DJ, and provides all of the features of the NAGRA 4.2L. It is a 4 speed, NAB, monaural recorder having a neopilot system that can be used to record sync and cue information.

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MODELS 4.2L, SL, & SN's ARE AVAILABLE AT SYNC AND STEREO DEALERS.

MODELS SJ, SJS, & LJ ARE AVAILABLE AT SPECIALTY SCIENTIFIC DEALERS.

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SPSE headquarters are at 1330 Massachusetts Ave., N.W., Washington, DC 20005.

The Information Film Producers of America (IFPA) will hold its 14th annual conference 31 October-3 November in Palm Springs, Calif., it was announced by Conference Chairman William Blume. Keynote speaker will be Robert Scott, head of film and television for the United States Information Agency. Among the guest speakers will be Philippe Cousteau, cameraman for the Jacques Cousteau series who will discuss underwater photography and his multimedia exhibit on the Queen Mary permanently moored at Long Beach, Calif. Designer Charles Eames, who is preparing a bicentennial exhibition in France in 1974 on Thomas Jefferson, will explain how he is using film to orient people to the concept. A highlight of the conference will be discussions with Don Fabun, the futurist philosopher from Kaiser Aluminum and Chemical Corp. who will help synthesize the total conference and the future. The traditional climax of the conference is the Cindy Award banquet where filmmakers receive Cindy statuettes for films judged to be this year's most outstanding nontheatrical productions.

The Workshop in Film Editing, first of a series sponsored by the Colorado Communicators Assn., 3270 Garland, Denver, CO 80033, was held 23 June at the University

of Colorado's Medical Center in Denver. About 60 people attended the program and the practical, "hands-on" editing session. Machines were provided by KEM Electronic Mechanic Corp., of New York City, and Magnasync/Moviola of Hollywood. Speakers included William A. Engstler of General Enterprises, Kensington, Md., who spoke on the Steenbeck System; Jack Billings, of Eastman Kodak Co., who spoke on "The New 16mm Color Negative Film" and Mike Phillips, of Western Cine, Denver, who described "Current Optical Printing Techniques."

A second session included "Basic Film Terms: A Visual Dictionary," by courtesy of Pyramid Films of Santa Monica, Calif. and "Basic Principles of Editing" and "Interpretations and Values" by courtesy of the Academy of Cinema Editors of Hollywood. A third session was made up of groups who were led by Dick Glascock, Cutting Block; Dick Alweis, The Movie Making Machine; Bill Neff, University of Denver; and Charles Bennett, Production House, all of Denver.

The Institute of Noise Control Engineering (INCE) will hold a seminar on Techniques of Noise Control 11-14 October at the Shoreham Hotel in Washington, D.C., immediately preceding the National Conference on Noise Control Engineering (Noise-Con 73) to be held 15-17 October. The seminar is planned for persons just entering the noise field as well as for those experienced in noise control. Seminar Co-Chairmen are William W. Lang and Mal-

colm J. Crocker. The seminar will include a demonstration of the generation and control of sound waves by INCE Charter President Leo L. Beranek and a talk on "Sound Propagation Outdoors" by INCE President K. Uno Ingard. Further information on the seminar may be obtained from Noise-Con 73, NBS-233, A147, Washington, DC 20234.

The Audio-Visual Equipment Directory (19th ed.) is available from the National Audio-Visual Assn., 3150 Spring St., Fairfax, VA 22030, together with a companion publication, *A-V Buyer's Guide: A User's Look at the Audio-Visual World* by Dugan Laird. Price of the Directory-Guide package is \$10 (\$9.00 if payment accompanies order). The price to companies commercially engaged in the manufacture, production or sale of audio-visual equipment or materials (if they are not members of NAVA) is \$35. The *A-V Buyer's Guide*, which accompanies the *Directory* as a bonus, is available separately at \$2.50 a copy.

The new *Directory* contains 512 pages and lists 1,715 entries offered by 550 manufacturers. The *Directory*, published annually, was first issued in 1953. In the first *Directory*, products of 194 manufacturers were listed in 140 pages; a comparison with the 1973-74 (19th) edition serves to demonstrate the substantial growth in the audio-visual field. That the field is still growing is indicated by the increase over last year's *Directory*—the 18th edition

Flicker-free, frame-by-frame Motion Analyzer Projectors

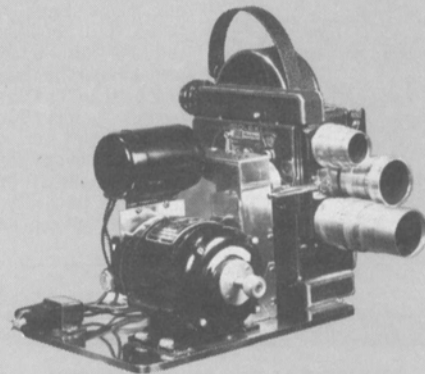


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The GE Projector solves space restrictions, too. Overflow students can be accommodated in lecture halls near your main auditorium to view guest speakers and visiting performers. Large conferences or classes can be scheduled in two buildings with one podium, one panel of speakers and one GE PJ500, projecting big, colorful pictures.

The PJ500 features GE's exclusive "single gun" single optical path system which generates the complete range of spectral colors simultaneously. No convergence necessary. (Unlike most other color television projection systems which require alignment of three separate images to produce a color picture.)



Precise color registration, so critical to many subjects, insures optimum teaching effectiveness in both front and rear screen applications. Medical schools use GE Color Video Projectors to demonstrate surgical techniques in real time, with images larger than life.

Because of its single optical axis, the GE Video Projector provides the same vivid color picture to everyone in the audience regardless of his angle of view.

Compact in size, the projector is easy to transport and set up in classroom or auditorium. The only power required is a 115v/20 amp appliance outlet. Its picture size is variable from two feet to over twenty feet wide, which makes it very practical and effective for both large and small classes. (Picture size depends on the distance from the projector to the screen and lens adapters used.)

The projector's versatility includes the ability to display information from all standard video sources, such as Off-Air TV reception, Video Tape and Video Cassette, live Camera, Closed-circuit TV, Data Network, Video Film Chain and, interfaced with your computer, Alpha-numeric and graphic displays and computer-generated images.



GE large screen television projectors are warranted for one year to be free of defective materials or workmanship. The "single gun" light valve and projector lamp are warranted for 1000 hours or one year on a prorated basis.

So, if you are looking for an aid to education, look into the PJ500, or its monochrome counterpart, the GE PJ700, today.

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GE large screen television projectors

has 1,526 entries; the current list of 1,715 entries represents an increase of 12.4% over last year. Photographs and descriptions of each product listed are included. Other helpful items include a list of the names and addresses of dealers and professional service members of NAVA, various tables and charts and an index to manufacturers.

The *Directory* is produced under the direction of NAVA Director of Services, James P. Thompson. The Editor is Sally Herickes. Dr. Laird, the author of the new *Buyer's Guide*, is an Education and Training Consultant in Atlanta, Ga. The *Guide* was edited by NAVA Director of Professional Development, Kevin O'Sullivan.

The United States Government and the American Radio-Television-Motion-Picture Industry, a 60-page report by U.S. Congressman Barry Goldwater, Jr., was compiled to provide an overall survey of the Federal Government's production of television, radio, motion picture and other audio-visual equipment. Preliminary inquiries indicated that in the 1971 fiscal year the government had budgeted some \$35 million for audio-visual production; the Goldwater Report reveals the amount to be at least \$120 million. The study uncovered a great deal of duplicated audio-visual production facilities and equipment in the government as a whole and even within individual agencies. It was also discovered that there is no standardization of equipment and no overall coordination of

government audio-visual materials as a means of eliminating duplication. For example, the report reveals, in the last two years the Defense Department produced 12 films on *How To Brush Your Teeth*.

Government utilization of private producers and personnel was examined and it was discovered that the government produces 54% of audio-visual material and 46% is contracted to private producers. The government also uses its own personnel as performers which, naturally, results in lower utilization of professional talent and technical personnel.

Recommendations made in the Report include a recommendation that the government make better use of private producers for the development and production of audio-visual material. Other recommendations called for the elimination of the practice of paying less than the prevailing wages to performing and technical personnel and recommended that each department or Federal agency administrator should establish a better fair labor practice policy. The report also recommended that Federal departments and agencies should undertake a systematic appraisal of the procurement, utilization and production of audio-visual materials and that the government should eliminate unnecessary duplication of audio-visual materials and facilities, and also that standardization of equipment should be set for all agencies.

The Report is divided into four sections — Federal Policy on Audio-Visual Production; Evaluation of Federal Audio-Visual Productions, Equipment and Facilities;

Government Audio-Visual Labor Practices; and the Conclusion. There are four Appendices — Allocation of Monies for Thirteen Agencies; Department of Defense (Confirmed Figures); List of Government Audio-Visual Production Agencies; and Major Unions, Crafts and Guilds Involved in Audio-Visual Production.

A de Forest commemorative stamp has been issued by the U.S. Post Office in honor of Lee de Forest, it was announced by de Forest Pioneers, Inc., 254 Vincent Ave., Lynbrook, NY 11563. The stamp shows the de Forest Audion tube of 1906. The de Forest Pioneers, an organization devoted to honoring the memory of Lee de Forest, "the Father of Radio," and the scientists and technicians, both living and dead, who worked with him, has, for some time, endeavored to have issued the de Forest U.S. postage stamp. Lee de Forest was born 26 August 1873 and died 30 June 1961. His name is on the Honor Roll of the SMPTE.

Video/Film News, a new publication issued monthly by KDUB-TV, Box 1166, Dubuque, IA 52001, supersedes *Super 8 Research News* and is the first and (so far) only publication devoted exclusively to miniature film and video systems for the professional, the announcement stated. *Video/Film News* is presently being delivered to more than 1,200 commercial and educational TV stations and originating CATV systems in the United States and Canada.

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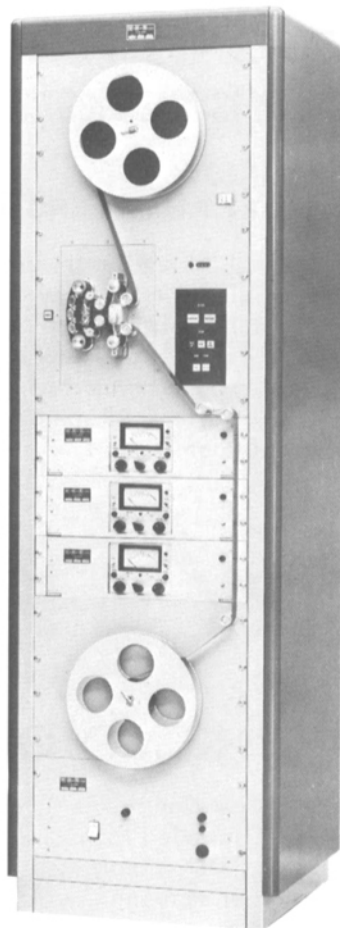
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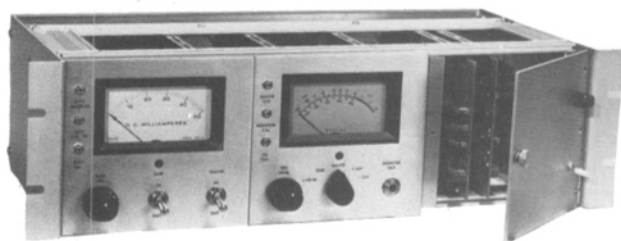
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Patents pending



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AV at Work, an exhibition sponsored by *Audio Visual*, is designed to show collectively the practical contemporary audio-visual applications in such areas as industry, commerce, education and government. It will be held 19-22 February 1974 at the Hotel Metropole in Brighton, England. The exhibition is being organized by MacLaren Exhibitions Ltd., 69-77 High St., Croydon CR9 1QH, England. The coming exhibition is said to be the first to deliberately embrace all major segments of the buying market. Some 50 British organizations, including industrial firms, schools and colleges have already indicated their intention to send delegates to AV at Work.

Automated trademark searches made from a computerized data base containing all 750,000 trademark registrations and applications in the U.S. Patent Office are offered by TCR Service, Inc., 20001 E. 4 St., Suite 208, Santa Ana, CA 92705. A search of the TCR data base with a written report can be requested for any single name at a cost of \$32. The report itemizes any and all conflicts and contains information on the owner or applicant, date of filing, serial number, data of first use in commerce, publications data, registration data, patent office classifications, description of goods and services, renewal information and full information on cancellations, oppositions, interferences and abandonments.

An x-ray laser that could make possible lensless, three-dimensional photography within living cells is the goal of researchers at the University of Rochester's College of Engineering and Applied Science who have begun a full-scale study with the aid of a grant from the National Science Foundation. The project is under the direction of Asst. Prof. James M. Forsyth of the College's Institute of Optics, and Assoc. Prof. Moshe J. Lubin, Director of the Laboratory for Laser Energetics. In explaining the purpose of the research, Prof. Forsyth noted that previous studies conducted at the university for more than a year have indicated that x-rays can be produced by bombarding tiny pellets containing trace amounts of oxygen with extremely short (10^{-14} s) pulses from a neodymium glass laser. He explained that, although it is known that the oxygen gives off x-rays, it has not been determined that the x-rays generated in this manner are coherent. Coherence, one of the distinguishing characteristics of the laser is difficult to demonstrate with x-ray sources. He pointed out that one of the difficulties involved in the project is that the experiment has to be done in a vacuum because the soft x-rays produced by oxygen do not travel through air. Despite the difficulties, Prof. Forsyth believes that the team of researchers will eventually be able to demonstrate the production of coherent, soft x-rays - the first step toward a practical x-ray laser.

An automatic lens focusing and range-finding system which uses the properties of the out-of-focus image to determine the quality of an image formed by a lens is one of the applications covered by a United States Patent (No. 3732001) now available for licensing through Photoidetics, Inc.,

MEMORANDUM

TO: PROFESSIONAL CAMERAMEN
FROM: DAVID MARX, VICE PRESIDENT, SALES
SUBJECT: THE NEW PRO-16

For several years, my wife Celia and I have been looking for an opportunity to associate with a progressive company capable of developing a truly professional "cameraman's camera" which would incorporate the best characteristics of today's cameras together with certain breakthrough features designed to overcome limitations in existing equipment.

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We were delighted to see that Maurer was able to blend its "space age" moon camera technology with a realistic understanding of the professional cameraman's needs. The features of the new Pro-16 include a single all speed motor 0-96 frames, automatic self-threading magazines, semi-automatic exposure control system, a new 360 degree reflex viewfinder, and last but not least, a completely new preventative maintenance concept due to a modular design that offers quick in-the-field service.

The Pro-16 will be exhibited at the SMPTE show in New York the week of October 14th. We'll be there to demonstrate it. You'll be surprised and, we feel, delighted at its many new features. We trust you'll agree that the Pro-16 sets a new standard in professional cinematography.

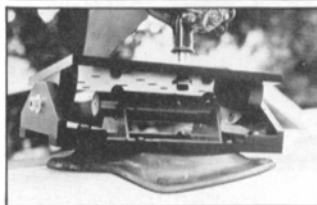
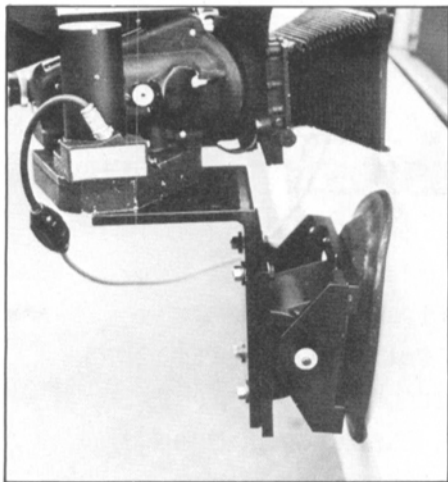
Come and see us! MAURER
The logo for the Maurer Pro-16 camera. It features the word "MAURER" in a bold, sans-serif font above a rectangular box. Inside the box, the word "PRO" is written in a large, bold, sans-serif font, and the number "16" is written in a smaller, bold, sans-serif font inside a circle to the right of "PRO".

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P.O. Box 2832, San Francisco, CA 94126, according to an announcement by Robert Sterling, President. The new patent and an earlier corresponding Canadian Patent were issued to the inventor, William Harrison, Photoidetics' Vice-President. The system is intended to be an integral component of a wide variety of equipments, including cameras, slide projectors and close and long-distance rangefinders. Still cameras, including both single and twin lens reflex, as well as cinema and TV cameras, can be designed to automatically follow-focus a moving object at a very close tracking rate. The reimaging configuration of the system permits projectors, and a wide variety of other optical instruments, to be focused directly, based upon the quality of the projected image from a remote location.

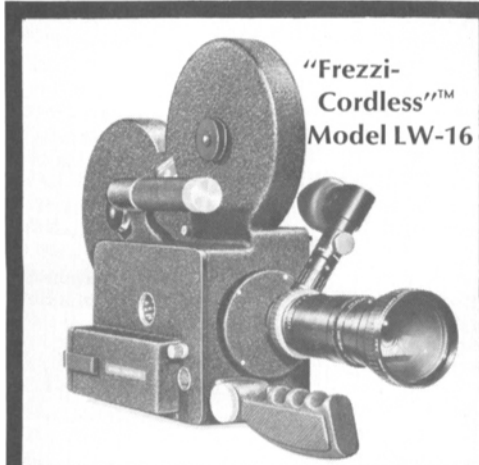
Two RCA subsidiaries — RCA Global Communications, Inc., and its subsidiary, RCA Alaska Communications, Inc. — have entered into an agreement with McDonnell Douglas Corp. for augmenting the payload capacity of the Thor/Delta rocket by 30 per cent, it was announced by RCA Global Communications, Inc., 60 Broad St., New York, NY 10004. The improved payload capacity will provide the most economical means of placing high-capacity domestic communications satellites into geostationary orbit at an altitude of 22,300 mi. The augmented launch vehicles will have the capacity to place a 2,000-lb payload into geosynchronous transfer orbit. Present versions of the rocket can lift only 1,550 lb.

The two RCA subsidiaries have applications pending with the Federal Communications Commission for building and operating a domestic communications satellite system. The applications call for orbiting two satellites and building nine earth stations to serve the 50 states and Puerto Rico. Each satellite would have 24 transponder channels with a capacity to handle 24 channels or 24,000 voice-grade circuits, giving them the largest communications capability of any existing satellite.

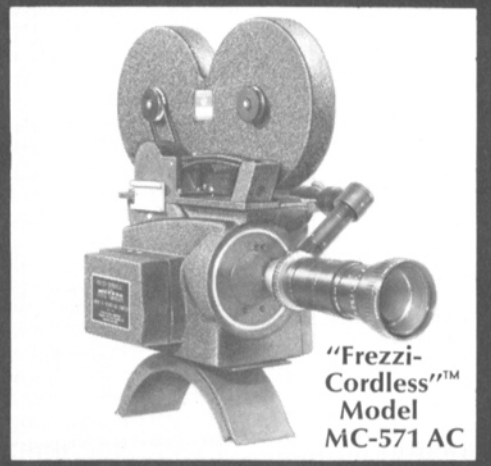
The Peking satellite communications earth station supplied to the People's Republic of China by RCA Global Communications, Inc. (Globcom), has gone into commercial operation handling telephone, teleprinter and other communications services between China and the United States, it was announced by RCA Global Communications, Inc., 60 Broad St., New York, NY 10004. The earth station was installed under a cooperative arrangement with the Chinese Telecommunications Administration. The project included the supply of the Peking earth station and the expansion of the existing earth station at Shanghai installed earlier in 1972 by RCA Globcom. The Peking station handles regular commercial traffic, including telephone, leased channel, telegram and facsimile traffic and has capability for live television between China, the United States and other locations in the Pacific. The earth station operates with the Intelsat IV satellite which is located in a geostationary orbit 22,300 miles above the Pacific. It links Peking with the Jamesburg, Calif. station and earth stations in other countries now operating with the Pacific satellite.

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The new earth station at Peking is equipped with a 98-ft diameter antenna and has permanent buildings to house communications equipment. The Peking and Shanghai earth stations will each be capable of initial operation with four other Intelsat earth stations and will have capacity for 60 voice-grade channels. The present Shanghai station is being upgraded; a 98-ft diameter antenna is replacing the original 33-ft dish and equipment previously located in transportable vans is being installed in permanent buildings along with new, additional electronic equipment.

A 977-ft, eight-station TV transmitting tower, designed by RCA engineers and installed on Mt. Sutro near San Francisco, is now in service. The mountain-top structure, rising 1,811 ft above sea level, has joined similar systems in operation in New York, Chicago, Dallas and other cities. The structure consists of a triangular tower supporting three 210-ft stacks of broadcasting antennas, a conformation said to be a "first" in multiple-antenna systems. An engineering problem arising from the intermixed station design was the necessity for limiting the physical movement of the antenna stacks to prevent deterioration of the TV signals. The solution lay partly in the three levels of guy wires that keep the stacks in a rigid, upright position. They are made of fiber glass material to avoid interference with the broadcast signals. The steelwork in the Sutro tower weighs about 3,400,000 lb and the RCA antennas mounted on top add another 200,000 lb. The structure is anchored on a massive concrete base weighing three times as much as the entire tower and its broadcast equipment. One of the tower's legs contains an elevator which lifts workmen to catwalks on top at the rate of 100 ft/min.

The subsidiaries of Trans/Audio, Inc., Audio Transfers, Inc., Metropolitan Edge Numbering Co. and Essex Productions, Inc., have all been merged into the parent company, Trans/Audio, Inc., 245 W. 54 St., New York, NY 10019, according to a recent announcement which noted that all future business for all of the companies named above will be accomplished under the Trans/Audio, Inc., name. The firm specializes in facilities and services for producers of feature, news and documentary films. It maintains sound recording studios for the transferring of dailies, original recordings and mixing and also maintains equipped editing rooms for leasing and provides edge numbering and business management services.

Research Technology, Inc., 8260 Elmwood Ave., Skokie, IL 60076, has purchased the inventory and certain other assets of Harwald Co. of Evanston, Ill., it was announced by Ray Short, Jr., President of Research Technology. In making the announcement, Mr. Short said, "We want to provide prompt service and needed supplies to existing Harwald users at reasonable prices."

The firm of D. E. M. Allen & Associates Ltd., Consulting Engineers, has moved to 2639 Portage Ave., Winnipeg, Manitoba

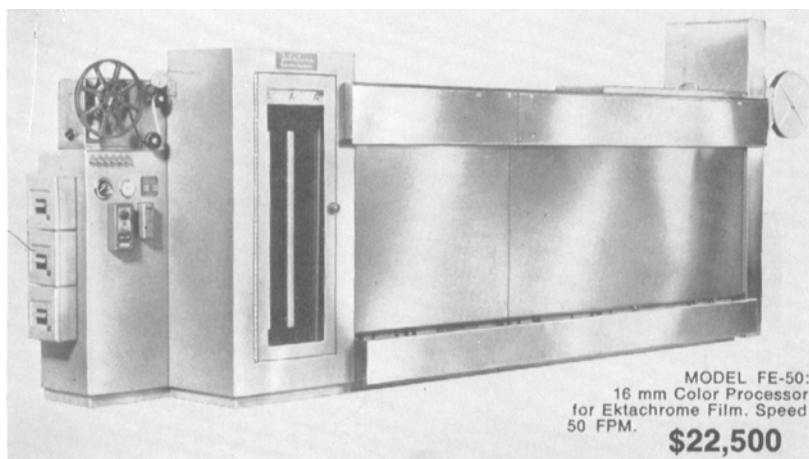
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gives you constant film take-up and does not impose any stress or strain on the film itself. Completely independent of the film transport system. This FILMLINE feature is usually found in professional commercial processors but is incorporated on the FE-30 and

FE-50 models as standard equipment. Don't settle for less!

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● **"ZERO DOWN TIME"** The reputation of any film processor is only as good as its reliability. The

combination of the exclusive and special added Filmline features guarantees trouble-free operation with absolute minimum down-time and without continual operator adjustments. Recapture your original investment in 2 years on maintenance savings alone. Filmline's "Push the button and walk-away processing" allows inexperienced operators to turn out highest quality film.

● **"MATERIALS, CONSTRUCTION AND DESIGN"** All Filmline machines are constructed entirely of metal and tanks are type 316 stainless steel, heliarc welded to government specifications. The finest components available are used and rigid quality control standards are maintained.

Compare Filmline features to other processors costing more money. Feature-by-feature, a careful evaluation will convince you that Filmline offers you more for your investment.

Additional Features included in price of machine (Not as extras).

Magazine load, daylight operation ■ Feed-in time delay elevator (completely accessible) ■ Take-up time delay elevator (completely accessible) ■ Red brass bleach tank, shafts, etc. Prehardener solution filter ■ Precision Filmline Venturi air squeegee prior to drybox entry ■ Air vent on prehardener ■ Solid state variable speed D.C. drive main motor ■ Bottom drains and valves on all tanks ■ Extended development time up to two additional camera stops at 50 FPM ■ Pump recirculation of all eight solutions thru spray bars ■ Temperature is sensed in the recirculation line ■ All solutions temperature controlled, no chilled water required ■ Built-in air compressor ■ Captive bottom assemblies assure you constant footage in each solution ■ Change over from standard developing to extended developing can be accomplished in a matter of seconds ■ Impingement dryer allows shorter put through time

Partial listing of Filmline Color Installations: — NBC- New York, NBC- Washington, NBC- Cleveland, NBC- Chicago, CBS & ABC Networks, Eastman Kodak, Rochester.

Laboratories: De Luxe Labs, General Film Labs (Hollywood), Pathe-Labs, Precision Labs, Mecca Labs, Color Service Co., Capital Film Labs, Byron Film Labs, MGM, Movie Lab, Lab-TV, Technical Film Labs, Telecolor Film Labs, Guffanti Film Labs, A-One Labs, All-service Labs, NASA Cape Kennedy, Ford Motion Picture Labs.

TV Stations: WAPI-TV, WHP-TV, WMAL-TV, WXYZ-TV, WWL-TV, WMAR-TV, WJXT-TV, KETV-TV, WTOP-TV, WEAT-TV, WCKT-TV, WAVE-TV, WAVY-TV, KTVI-TV, WCPQ-TV, KTRV-TV, WSYR-TV.



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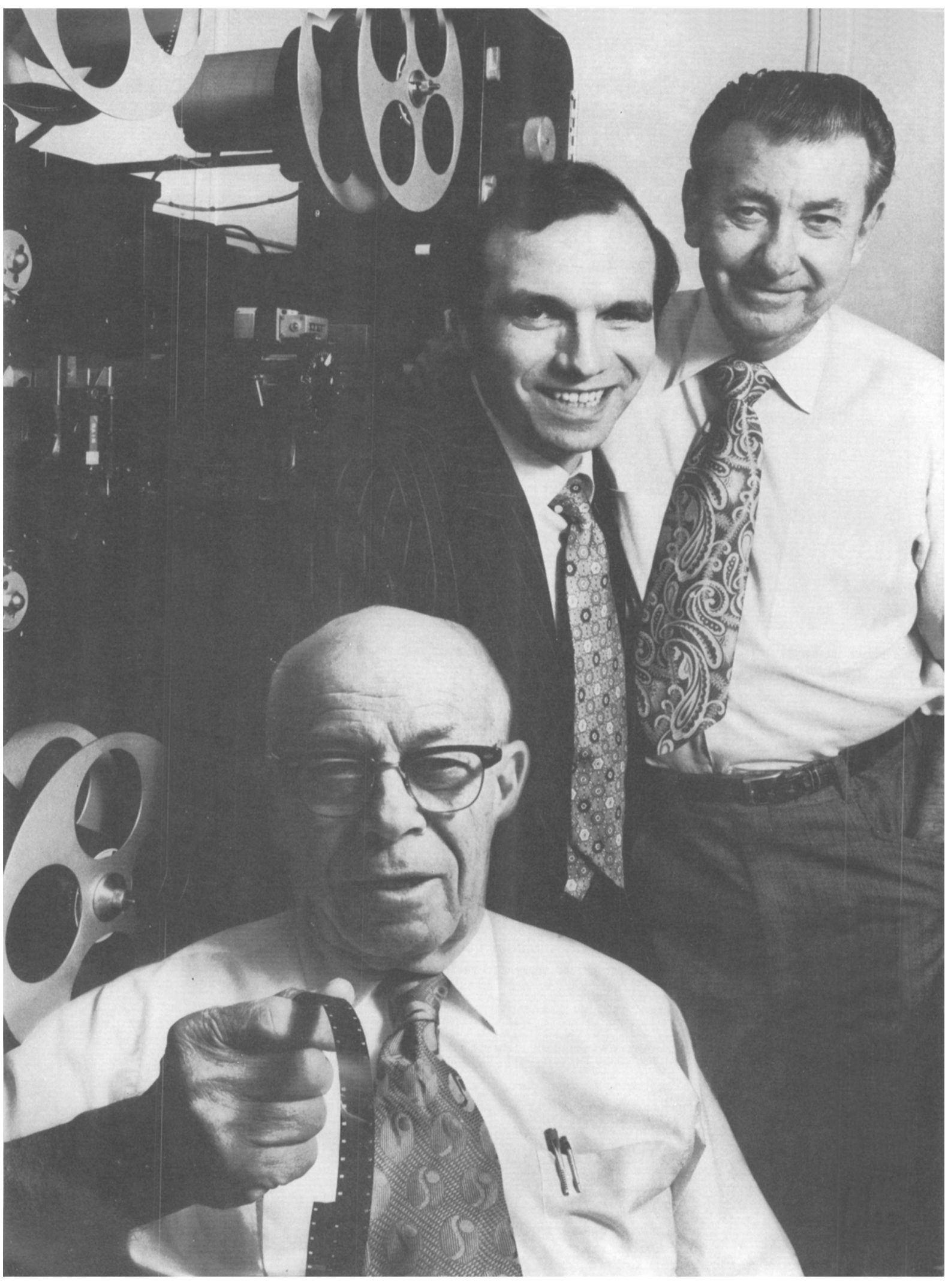
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“Then we started experimenting. Saul wanted to go to 70mm to get maximum stereo effect from the 14-track music tapes. Because the 16mm format is in the wrong aspect ratio to be blown up directly to 70mm wide-screen, we realized that we would lose about 50% of our original 16mm frame area... assuming that it could be done at all. No one had ever tried it, but we found the answer. We adapted a wet-gate system to an existing 65/70mm optical printer at Film Effects of Hollywood. Then we scanned each image vertically ‘on the fly’ as we were printing. Accurately.

“Our first trial experiments without the wet-gate were weak and scratchy. But we saw enough quality in the results to be convinced that the excellent Eastman 16mm negative would hold up going to 70mm. When we went to final process, the results were beautiful. Cecil, Saul and I were astounded. So was everybody else.

“The last step was release prints. Those we hand-made by going directly from the 16mm Eastman color negative film to 70mm Eastman color print film 5385.

“We had done something probably no one else had ever done before. With the right materials, nothing’s impossible in this business.”

Cecil Love and Don Weed of Film Effects of Hollywood. (Center) Saul Swimmer, Producer/Director of “The Concert for Bangladesh.”



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Can. R3J OP7, according to a recent announcement which noted that the firm had "outgrown its present office space." The firm offers consultation services in broadcasting (AM, FM and television) and educational television.

Bernard D. Loughlin, Vice-President, Research, of Hazeltine Corp., Greenlawn, NY 11740, was presented with a citation at the International Television Symposium at Montreaux, Switzerland, in recognition of his contributions to color television, particularly the shunted monochrome, constant luminance and color-phase alternation principles. The presentation was made on 22 May. During the ceremonies Mr. Loughlin was referred to

as the "Grandfather of PAL" in recognition of the color-phase alternation and other principles conceived by Mr. Loughlin more than 20 years ago upon which the European PAL color television system was based.

Mr. Loughlin has received many honors for his work in color television — among them, the David Sarnoff Gold Medal Award, presented to him in 1955 by the SMPTE, the 1972 IEEE Consumer Electronics Award and the Zworykin Television Prize Award from the Institute of Radio Engineers.

Ellis E. Edmonds has been appointed Associate Producer of SGA Films it was announced by Michael J. Enzer, President of Saxton Graphic Associates (SGA) Ltd.,

350 Lexington Ave., New York, NY 10016. Mr. Enzer also announced the expansion of the firm's Audio-Visual Dept. to include such facilities as a complete editing room with a flat-bed Moviola editing machine, a full range of projection equipment and a screening room for motion pictures, slides, filmstrips and multiscreen presentations. SGA also maintains its own cameras and sound equipment.

Mr. Edmonds has had a wide experience in the production of motion pictures, videocassettes and other audio-visual materials. He is the producer and director of *Masuo Ikeda: Printmaker*, a recently released 16mm color film showing the methods of Masuo Ikeda, winner of the Venice Biennial International Grand Prize for Graphics. Other executives on the SGA Audio-Visual staff include William Millstein, Vice-President A/V Productions and Director of SGA films; Bernard Edmonds, Associate Producer and cameraman and chief editor for SGA films; and John W. Armstrong, Scriptwriter and Associate Producer.

The National Assn. of Educational Broadcasters (NAEB), 1346 Connecticut Ave., N.W., Washington, DC 20036, has announced a major realignment of staff designations and responsibilities as part of its transition to a professional society with a membership composed entirely of individuals. The new arrangement places responsibility for NAEB professional services in the hands of five Program Officers reporting directly to NAEB President William G. Harley. The five Program Officers and their basic areas of responsibility are: William T. Dale, instructional and educational development; James A. Fellows, membership development projects; Stephen E. Millard, staff publications and writing projects; Mary Lynn Moody, conference and convention planning and operation; and H. Holt Riddleberger, Federal regulation and legislation.

Charles V. Anderson has been appointed Vice-President, Manufacturing, for Ampex Corp., 401 Broadway, Redwood City, CA 94063. He has been with Ampex since 1951 and was formerly Vice-President-General Manager of the Europe, Africa and Middle East (EAME) area of Ampex International with headquarters in Reading, England.

Billy L. Cook has been appointed Manager, Theatrical/Architectural Lighting and Control for Berkey Colortran, 1015 Chestnut St., Burbank, CA 91502, it was announced by Joseph N. Tawil, President. Mr. Cook has had many years experience as a manufacturers representative in an extensive list of outstanding projects. He will introduce Berkey Colortran's *Catalog for the Performing Arts* this fall and is presently appointing sales representatives.


The 1973 David Sarnoff Awards for Outstanding Technical Achievement have been presented to 19 RCA scientists and engineers for major achievements in the development of an innovative magnetic tape video player/recorder, color picture tube systems, research on new integrated semiconductor arrays and video-by-telephone systems. The presentations were made on 10 July in New York by RCA

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Chairman Robert Sarnoff. Those honored were: H. Ray Warren for "development of a highly innovative magnetic tape video player/recorder"; Robert L. Barbin, William H. Barkow, John Evans, Jr., Josef Gross, Horst E. Haslau, Richard H. Hughes, Walter D. Masterton and Ira F. Thompson, honored as a team for "outstanding technical achievements in color picture tube systems"; Glenn W. Cullen, Gerald B. Herzog, Charles W. Mueller and Joseph H. Scott, Jr., for "outstanding team research leading to a new class of integrated semiconductor arrays"; and Alfonso Acompora, Denis P. Dorsey, John T. Frankle, Samuel N. Friedman, William D. Houghton and Lewis B. Spann, honored as a team for "outstanding corporate effort leading to an innovative video-by-telephone system."

Ed Gallagher has been appointed National Sales Manager for Camera Mart, Inc., 466 W. 55 St., New York, NY 10019. He was formerly with Berkey-Colortran where he was Regional Marketing Manager for the East Coast and the Caribbean area. In his new post he will direct the efforts of outside salesmen and coordinate the marketing of mobile motion-picture location units, sound stages, motion-picture, videotape and closed-circuit TV equipment, sales, rentals and long term leasing.

Alex Siodmak has been appointed General Manager of Motion Picture Enterprises Publications, Inc., Tarrytown, NY 10591, publishers of the *Motion Picture, TV & Theatre Directory* (and the accompanying *Wall Chart*) and the *Audio Visual Source Directory*. Mr. Siodmak was formerly with Modern Talking Picture Service. In his new post he succeeds John B. Low who has been made Director of Publications.

Michael D. McLean has been appointed Engineering Manager in charge of the Service Laboratory for Gotham Audio Corp., 741 Washington St., New York, NY 10014. Mr. McLean began his career as Chief Engineer for Motown Records in Detroit in 1961. He has also served as Product Service Technician for Tektronix Inc. His employment at Gotham followed a two-week service training trip to the Neumann and EMT companies in Germany.

Donald Demangate has been appointed to the newly created position of Vice-President, Planning and Development, for Deluxe General Inc., 1546 N. Argyle Ave., Hollywood, CA 90028. He was formerly Senior Vice-President, Manufacturing, for Catalina, Inc. In his new post he will be responsible for analyzing and planning expansion into new areas of service.

R. A. Saunders has been appointed Southern Division Sales Manager for Reela Films Laboratories, Inc., 65 N.W. 3 St., Miami, FL 33128. He was formerly Eastern Regional Sales Manager for Technicolor, Inc. Reela Films Laboratories, a subsidiary of Wometco Enterprises, provides 16mm and 35mm post-production service in black-and-white and color as well as super-8 cartridge loading facilities.