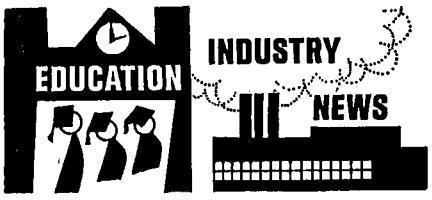

The U.S. Institute for Theatre Technology will hold its 1967 Convention May 31 – June 3 at the Barbizon-Plaza Hotel in New York. The theme of the convention is Theatre Explosion, and all phases of planning for performing arts facilities will be covered, including administration, architecture, direction, designing and engineering. Meetings will be held in various theaters and auditoriums including the new Metropolitan Opera House, Forum Theatre, Delacorte Theatre and the new auditoriums of the Library-Museum for the Performing Arts, the Guggenheim Museum and the Gallery of Modern Art. Among other panel discussions, the revised New York City Building Code and its potential effect on other communities will be discussed. Panelists will be New York City Buildings Commissioner Charles G. Moerdler, Ben Schlanger, Frederick G. Frost, Jr., Arthur Benline and Philip Stedfast. Moderator will be Joel Rubin. Program Chairman is C. Ray Smith of *Progressive Architecture*, 430 Park Ave., New York, N.Y. 10022. USITT headquarters are located at 245 W. 52 St., New York, N.Y. 10019.

The establishment of two annual scholarships for motion-picture students was announced by the University Film Producers Association. The awards, one for $1,000 and the other for $500, will be sponsored by the McGraw-Hill Book Co. and will be administered by a committee of the UFPA.

The scholarships are intended to acknowledge, reward and encourage excellence in creative film making, scholarly research and critical writing. Applications are invited from students who expect to make careers either as filmmakers or as film teachers and scholars.

Applicants must be currently enrolled as graduate students in university departments affiliated with the UFPA, and must be working toward a graduate degree either in film or in a closely related area with a specialization in film.

Application blanks and information about scholarships can be secured from the University Film Producers Association, Division of TV-Radio-Film, University of Iowa, Iowa City, Iowa 52240. Deadline for applications is June 10.

C. B. Neblette, Dean of the College of Graphic Arts and Photography, Rochester Institute of Technology, will retire in June. Although only 65 years of age, Dr. Neblette has spent 47 active years in the field of photographic education. He began his career as an educator in 1920 as an instructor in photography at Pennsylvania State College (now University). A year or so later he became Assistant Editor of *Camera*, one of the four photographic magazines published in the United States during the 1920s. About a year later he was appointed head of the technical photography laboratory at Texas A&M Uni-

The stars of a film triumph

KODAK EKTACHROME EF Film is not just "another great film from Kodak." It's another great film from the men at Kodak who perfected it—these four in Kodak's Film Emulsion Division working in close cooperation with their colleagues in research, testing, and process development.

It's easy to lose sight of the people behind the success of a film when they're always behind the scenes. But Kodak is, after all, nothing more than talented people using their company's resources to respond to the needs of other people.

Your needs. You wanted a color motion picture film with great sharpness, rich color saturation, fine grain and speed to spare. EKTACHROME EF Films have all these qualities. An E.I. of 160 for the Daylight type and 125 for Tungsten type, plus one-stop pushability, make them ideal for all general shooting. And if you want them for scientific data recording, you can (with the process on your premises) push the Daylight film to E.I. 1280, the Tungsten to E.I. 1000.

How do we at Kodak know where your needs are? Whenever possible, we put ourselves in your place. And we have a direct line to you through our motion picture engineers in the office listed below.

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versity. Five years later he joined Eastman Kodak Co. in Rochester and shortly thereafter he was lent to RIT to develop the curriculum for the photography program. In 1936 he became Administrative Head of the RIT department and in 1959 he was designated Professor of Photography and a year later was appointed Dean of the College of Graphic Arts and Photography. During Dean Neblette's 37-year association with the photographic curriculum of RIT the enrollment increased from 20 students to 460.

Dr. Neblette is the author of numerous publications. His first book, *Photography, Its Materials and Processes*, is regarded as classic in the field of photography and is widely used as a textbook. It is now in its 6th edition (*Journal*, p. 350, Apr. 1963); among Dr. Neblette's retirement plans is the revising of this book for a 7th edition. Among other recent publications he is the co-author (with Allen E. Murray) of *Photographic Lenses* (*Journal*, p. 638, July 1965).

Plans for a major entertainment complex combining motion-picture, television, radio and record production and related services within the Los Angeles area were revealed by Mayor Sam Yorty at the American Cinema Editors 17th annual awards dinner. Los Angeles city departments and agencies have begun making studies and surveys. A 740-acre area has been recommended as a possible site for the mammoth complex.

The Cinematographers: The Not-So-Secret, Secret Profession was the title of a forum held March 2 by the New York Chapter of the National Academy of TV Arts and Sciences. The forum, produced by Chuck Austin, a.s.c., was held at the Guild Theater where actor Robert Ryan moderated the evening. Leading directors of photography discussed the techniques of their craft and screened excerpts of their own work. All excerpts shown were filmed in the New York area.

Zoli Vidor, a.s.c., quoted from interviews of prominent still photographers on what they thought of the cinematographer. Lack of time prevented much rebuttal and so no one had the chance to say what he thought of the still photographer.

Other panelists included Morris Hartzband, a.s.c., George Silano and Ross Lowell. Also present were Jerry Kaufman, Gerry Hirschfeld, a.s.c., Andrew Laszlo and David Quaid.

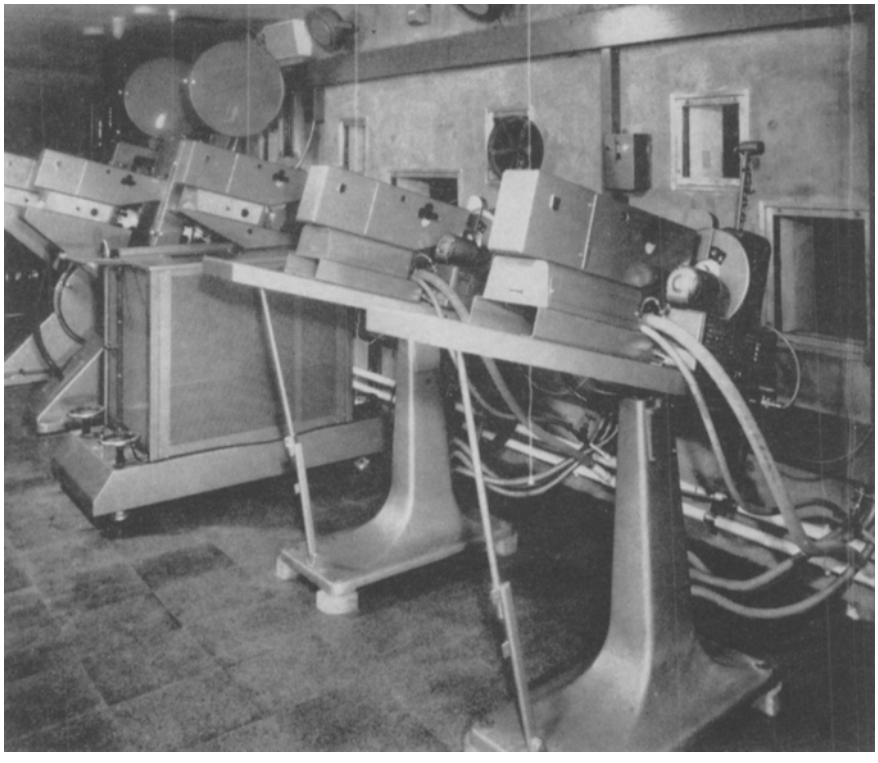
The forum was made possible through donations of DeLuxe Labs, Precision Labs, Arriflex Corp. of America, Movielab, Inc., Color Services, F&B/Ceco. Inc. and Du Art Labs. Larry Hiner, NBC, and Jeff Satkin, Screen Gems, Inc., assisted Austin.

Pavel Prochazka, a Czechoslovak filmmaker, won the top prize of $10,000 in the Man and His World film contest cosponsored by the Montreal International Film Festival and Expo 67 for a 50-second film called *Health of Man*. A total of 256 films was entered in the contest, all 50 seconds long and dealing with some aspect of Expo 67's central theme, Man and His World. Nine contestants won silver medals: American producers Stan Vanderbeek,

Fred Wolf and Jeff Dell; Pramod Pat of India; L. Popov of the Soviet Union; Nicholas Spargo of Great Britian; Kozo Sasagawa and Yoji Kuri of Japan; and Bruno Bozzetto of Italy. Special mentions were awarded to Carmen D'Avino and Isadore Klein of the U.S.A. and to F. Khitruk of the Soviet Union, Robert Balser of Spain and Ryszard Golc of Poland.

A symposium on Progress in Photographic Science was held May 17–18 in conjunction with the Annual Photographic Conference of the Society of Photographic Scientists and Engineers, May 15–19, in Chicago. A series of invited papers covered the progress that has been made in various areas of photographic science. Areas covered included Photo-Science Education; Standardization; Sensitometry; Densitometry; Image Quality Analysis; Photographic Optics; Color Photography; Aerial Photography; Instrumentation and High-Speed Photography; Information Recovery; Art of Photography; Nonsilver Systems; Holography; and Photographic Processes for Microelectronics. Information is available from William S. Dempsey, SPSE Publicity Chairman, Itek Corp., 1735 I St., N.W. Washington, D.C. 20006.

An intensive five-day course to assist engineers and scientists in applying photography to the acquisition of data will be conducted September 11–15 by the Rochester Institute of Technology's Extended Services Div. All sessions will be held in the College of Graphic Arts and Photography in Rochester, N.Y. Included in the course will be information on the photographic process and the photographic image necessary for proper employment of photography. A. Robert Maurice, asst. director of RIT's Extended Services Div., is in charge of registration.



The Queen Elizabeth Hall, South Bank, London, opened March 1, is acoustically designed for solo or orchestral works or for films. A sound isolation of 55 dB eliminates noise from the river or from traffic on nearby Waterloo Bridge. The Hall accommodates an audience of 1,106 on one stepped floor with perfect sight lines. The seats were specially designed. Philips projection and sound equipment was supplied and installed by J. Frank Brockliss. The stage is built in 13 sections, each on a separate lift. To have free space in the stage area it was necessary to fly the screen and speakers which are mounted on a tubular steel frame. The screen is 35 ft wide and is provided with variable masking for Academy, wide-screen (1.75 : 1), Todd-AO and CinemaScope. For all ratios the screen height remains 13 ft 6 in. Five speaker assemblies are behind the screen. Five projectors have been installed. The first is a pair of Philips DP70 35/70 mm projectors fitted with automatic sound system selection. In the center is a Philips studio-type slide projector equipped with a 1,000-W pulsed lamp. A pair of Philips EL5006 16mm projectors is at the right. The projectors are designed with an intermittent sprocket instead of claws to prevent film damage. The control panel is located between the projectors for pushbutton control of screen masking and auditorium lighting. The all-transistorized amplifiers provide for six sound channels for 70mm, four for 35mm, and, in addition, 35mm optical and 16mm optical and magnetic. Each circuit has treble and bass filter controls. A separate power amplifier feeds the ambience speakers around the auditorium. Provision is made for later installation of the Philips Ambiophony system of stage amplification, which, by introducing delay proportional to the distance of the patron from the stage, provides reinforcement of stage sound without loss of "presence."

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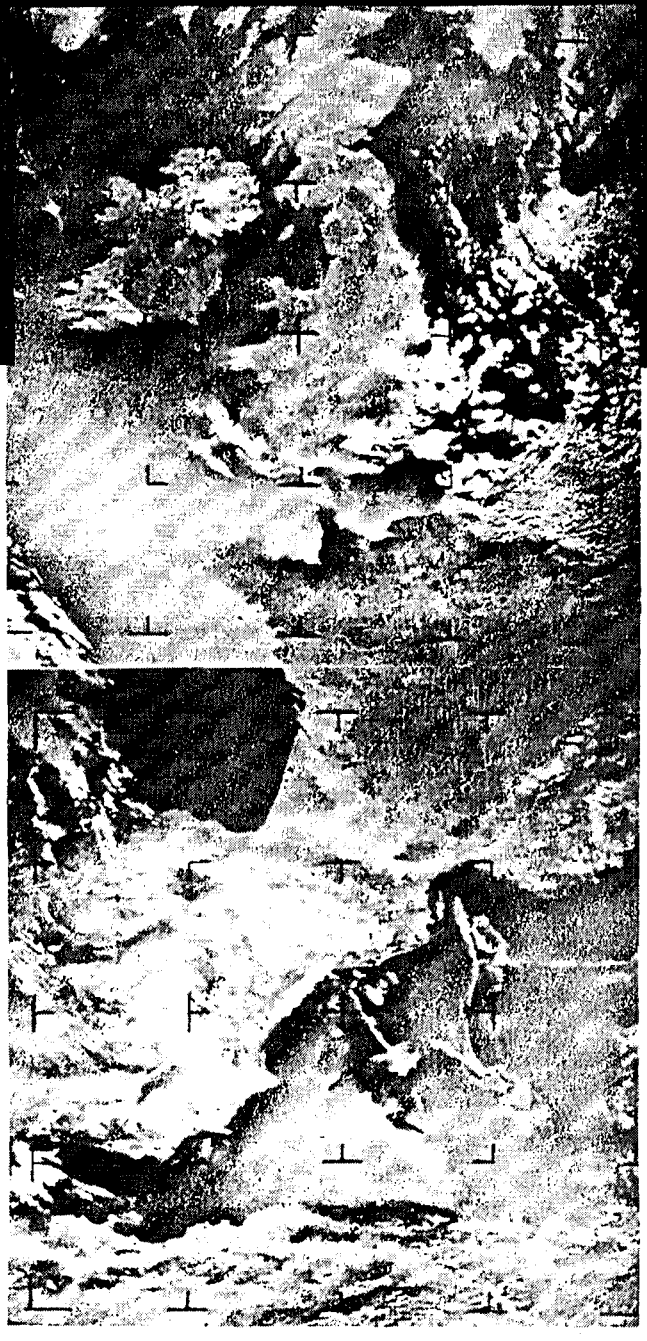

A Kinoptik 5.7mm f/1.8 TEGEA super wide angle lens built into a weather satellite of the "Nimbus" series recorded these remarkable pictures, showing Great Britian, Ireland, France, Spain and Northern Africa from an altitude of approximately 600 miles.

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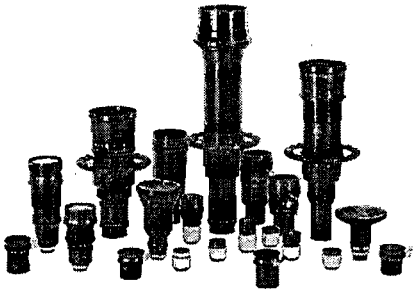
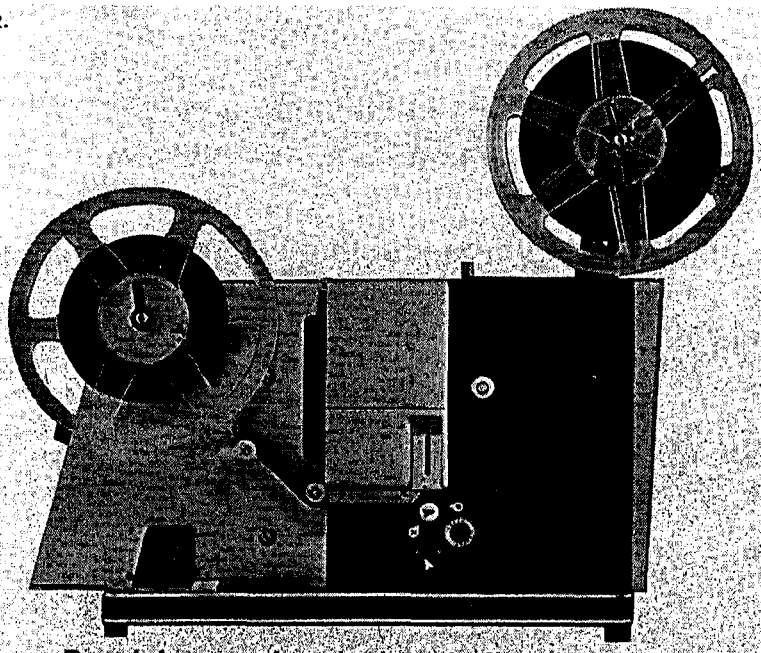


For further information, please use coupon on page 2



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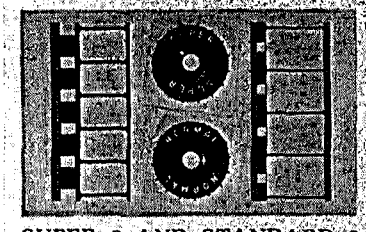
You project and produce top quality, high fidelity Super 8mm (or Standard 8mm) sound movies, for industrial, scientific, institutional, TV, any audio-visual application as well as the pure enjoyment of home movies — with utmost economy.



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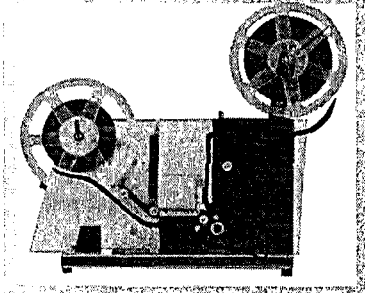
ONE sound projector for both large size Super 8mm and Standard 8mm. Conversion takes seconds only.



AUTOMATION

Automatic reel-to-reel threading. Automatic height adjustment for centering image. Automatic switch off of projection lamp at film end, turns on pilot lamp. Automatic erase protection.

HIGH INTENSITY LAMP

12 Volt 100 Watt, with pre-focused, concentrated light output renders extreme brightness. Dichroic mirror reflects useful light, but passes heat rays for longer film and lamp life.

ADJUSTABLE VOLTAGE

Built-in transformer for 110-250 Volt. Switch for bright and normal. Lamp saver switch for still projection with heat absorbing filter, voltage reducer. Optional voltage regulator.

CHOICE OF TOP QUALITY LENSES

Extra fast Zeiss-Sonnar 20 mm f/1-2 or Kern Vario-Switar 12.5-28mm f/1.3 Zoom lens, for brilliant overall illumination, critical edge-sharpness, excellent contrast and precise color fidelity.

MICRO-SWITCH KEYBOARD

4-color button fingertip control: Forward and Silent (green), Reverse (black), Stop (red), Lamp (white), for utmost handling ease.

REMOTE CONTROL PANEL

Remote control has same 4-color buttons plus additional switch for volume control.

EASY-TO-USE SOUND AND MIXING PANEL (see picture)

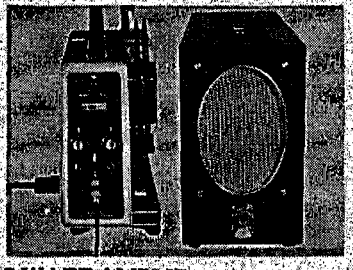
All controls and outlets in rear of projector facing operator. 2 inputs for music and microphone, one output with pre-amplifier for speakers and headset, all with volume control. Accurate VU-meter.

PLAYBACK AND RECORDING

Completely transistorized with solid state printed circuit. Electrically interlocked switch for playback (green lamp) and record (red lamp).

HIGH FIDELITY

Constant frequency of 60-8000 cps at 18 frames per sec., 60-10.000 cps at 24 frames per sec., with ± 3 db.



7 WATT AMPLIFIER/SPEAKER

In lid of carrying case with treble control. Preamplifier for any other speaker, radio or complete Hi-Fi installation.

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Subsequent recordings of music, speech and sound effects without erasing (white lamp) or dynamic, directional mixer microphone which dims sound on one channel while recording on second channel.

INSTANT MONITORING — ECHO EFFECTS — PUBLIC ADDRESS SYSTEM

Extra soundheads provide for instant monitoring with headset or echo-effects with optical amplifier. Adapter permits live commentaries before, during or after projection, without recording or erasing.

OTHER EXCLUSIVE FEATURES

- Unbelievably lightweight (22¼ lbs.) and compact (16¼" x 5¾" x 9"), with flip-up handle for easy portability.
- Stream-lined, elegant styling in attractive black and chrome finish.
- Quiet, accurate film run with synchronous motor which reaches full speed of 18 or 24 frames per second instantly, keeps speed variations to less than 0.5%.
- Frame line adjustment while running or during still projection.
- Rapid rewind at 400 ft. per minute and reverse.
- Six durable sound heads are disconnected for rewind or silent projection.
- Accurate picture/sound interval of 18 frames.
- Carrying case with (or without) built-in amplifier/speaker and screen also holds microphone, head set, remote control, cords, second lens, spare lamp, etc.
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The Inter-Society Color Council will hold its 36th Annual Meeting June 12–13 at the Statler Hilton Hotel in New York. Among other events, an invited lecture on "The Perception of Color" will be given by Ralph M. Evans. Other highlights include a seminar on Metamerism arranged by Gunter Wyszecki. Speakers will be Walter Granville, A. Brockes, Isadore Nimeroff and Eugene Allen. Closing event of the meeting will be a reception and banquet when presentation of the Godlove award will be made. Edwin I. Stearns will be the recipient. Banquet speaker will be W. D. Wright of the Imperial College of Science and Technology, London, England. Further information is available from the Council Secretary, Ralph M. Evans, Eastman Kodak Co., Photography Technology Div., Bldg. 65, Rochester, N.Y. 14650.

The University of Iowa Library has acquired the corporate and personal papers of Albert J. Cohen, producer at Universal Studios. The collection contains financial and production papers for 26 feature films produced between 1940 and 1956. Announcement was made by Dr. Raymond Fielding of the Division of TV-Radio-Film. Included in the collection are original budgets, day-to-day production records, screenplays, business correspondence, domestic and foreign censorship records, accounts of gross receipts and records of net profits. Dr. Fielding said that the years covered by the collection are particularly important for film historians. During this period antitrust actions brought before the Supreme Court resulted in the separation of the film industry's production, distribution and exhibition functions, thereby changing its entire financial structure. It was during this period that commercial television provided lively competition for motion pictures and stimulated technological changes in motion-picture production and exhibition.

A seminar on Computerized Imaging Techniques will be held June 26–27 in Washington, D.C., under the auspices of the Society of Photo-Optical Instrumentation Engineers. The seminar will be co-sponsored by the U.S. Air Force Office of Aerospace Research. The seminar will deal with the techniques and methods of information processing and display in both present and future application of computer systems. Areas of interest will include Adaptation of Computer Methods for Pictorial Data Processing and Pattern Recognition; Enhancement and Analysis Techniques by Computer; Use of Computers to Optimize and/or Reduce Requited Input Data; Direction of Future Advances. Further information is available from Jerome I. Mantell, Chairman, 18100 Frederick Pike, Gaithersburg, Md. 20760.

A conference on Engineering in Medicine-Multiphasic Health Screening tests will be held July 10–14 at the University School, Milwaukee, Wis., under the auspices of the Engineering Foundation, United Engineering Center, 345 E. 47 St., New York, N.Y. 10017. Chairman of the conference will be Gilbert B. Devey, Program Director for Engineering Systems,

Division of Engineering, National Science Foundation, Washington, D.C. This is the first of 10 conferences arranged by the Engineering Foundation to be held at designated meeting places throughout the summer. Others that have been announced are a conference on Solid Waste Research Development to be held July 24–28, at Milwaukee. The Chairman will be Percy H. McGauhey, Director, Sanitary Engineering Research Laboratory, University of California, Richmond, Calif. A conference on Engineering of Unconventional Protein Production will be held August 7–11 at the University of California, Santa Barbara, Calif. It will be co-sponsored by the Research Committee of the American Institute of Chemical Engineers. A conference on Complex Problem Solving will be held August 21–25 at Proctor Academy, Andover, N.H.

The 13th Annual Robert Flaherty Film Seminar will be held September 2–8 at Arden House, Harriman, N.Y. Guest of honor will be anthropologist-filmmaker Jean Rouch, of France. Program Director will be Willard Van Dyke, Director of the Department of Film, Museum of Modern Art. Sumner J. Glimcher, Manager of the Center for Mass Communication, will be Seminar Coordinator. Further information is available from Robert Flaherty Film Seminar, 440 W. 110 St., New York, N.Y. 10025.

The 1967 Directory of Summer Session Courses on Educational Media is available upon request (stamped self-addressed envelope) from Educational Media Council, 1346 Connecticut Ave., N.W., Washington, D.C. 20036. The Directory includes information about summer session courses offered in colleges and universities throughout the United States on such subjects as motion picture, programed instruction, television and computers. The Directory is complied annually by the Council. The 1967 Directory contains such new listings as Underwater Photography (Brooks Institute of Photography) and Microteaching (Fort Hays Kansas State College). Listings are also included for NDEA (National Defense Education Act) Institutes of Advanced Study for Media Specialists and School Librarians.

An experimental unit that stores 14,120 bits of information in arrays of microscopic "loop cells" made of superconductive materials deposited in thin films on glass slides has been constructed at RCA Laboratories. Superconductivity (a property of certain materials that lose all resistance to electricity at temperature close to absolute zero) is of special interest in computer memory technology. Application to a superconductive material of a single electric pulse — representing a single bit of data in computer language — will start a flow of current that continues indefinitely unless it is stopped by an outside force. Information can thus be stored in the form of enduring currents trapped in microscopic bits of superconductive materials. The problem in applying superconductivity to computer memories, according to an RCA spokesman, was to devise a loop structure that could be fabricated uni-

formly by the thousands and could be made to carry a tiny current whose energy could be sensed or removed at will. The solution was based on the development of a cell consisting of thin layers of lead, tin and an insulating material deposited in large arrays on a glass slide. The experimental memory is made of four such slides stacked one on top of the other and interconnected along their edges. The memory stack is kept in liquid helium at a temperature of 7° above absolute zero. The electronic circuitry required to enter and retrieve the information is kept outside of the extremely cold environment.

Making Films in New York is a new bimonthly publication with offices at 1639 Broadway, New York, N.Y. 10019. Editor and Publisher is Boone Mancall. The first issue contained 22 pages of pictures and brief articles and features about New York and filmmaking therein. Typical of the content is "Its a Wonderful Town," by Arthur Mayer, with a number of photographs showing the delights of New York. Another intesting little story is "Company on the March," as related by Saul Jeffee, president and founder of Movielab, Inc. Subscription rate is $3.00 a year for the six issues.

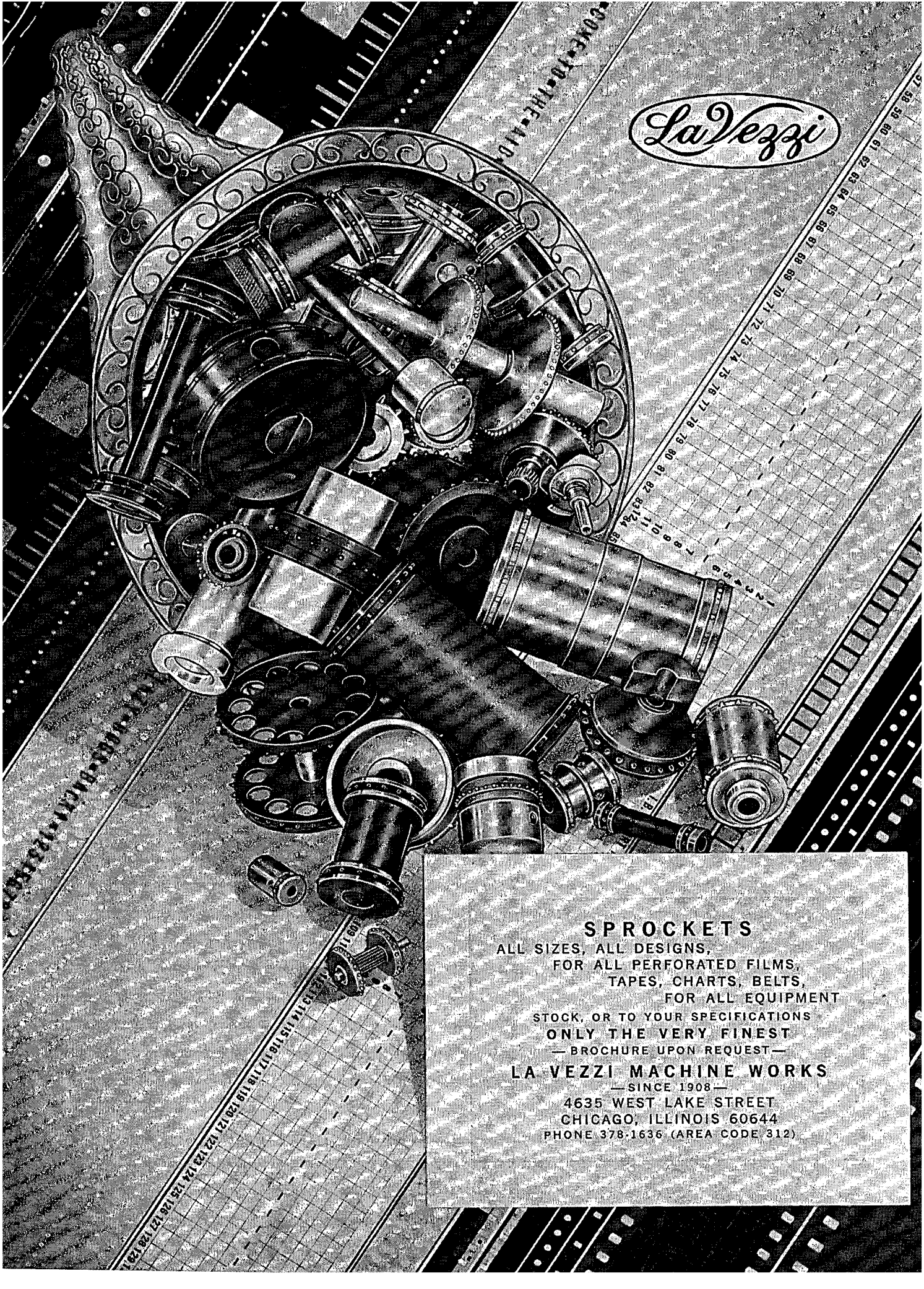
Total Translation is a new monthly publication devoted to fostering the resolution of the language problem in science and society. It is a nonprofit venture. Initial divisions of the publication are: *Theoretical* — studies of major obstacles involved in the resolution of the language problem; *Historical* — analysis of earlier attempts to establish international languages; *Current Progress* — a continued study of the progress toward "total translation"; *Current News* — news events of the month that relate to the language problem; *Literature* — résumés of published articles and reviews of books related to the language problem; *Material Aids* — advances in computerized translation and in systems for storage, retrieval and dissemination of research information; and *Special Features* — maintenance of a file of translations in research science and a special section for science translators. Subscriptions are available from Total Translation, P.O. Box 154, Stn. G, Montreal 18, Canada, at a yearly rate of $25 or $15 for a six-months subscription.

The Society of Cinema Arts and Sciences, Bellevue-Stratford Hotel, Philadelphia, Pa. 19102, is launching a program to promote increased use of local facilities by supplying a guide to production companies, equipment, personnel and services available in the Delaware Valley. The first step in the program will be questionnaires sent to local companies involved in film production, followed by interviews by SCAS committee members. The SCAS hopes to make more people aware of the extensive filmmaking industry in the Delaware Valley.

The Society has announced election of officers. Charles T. Gindhart, Jr., has been reelected President. Other elected officers are: Executive Vice-President, Paul A. Litecky; Vice-President of Programs, Donald Matticks; Secretary, Jacques Van Vlack; and Treasurer, Martin Egan.

A new method of compressing the frequency spectrum of speech to half its normal bandwidth has been devised at Bell Telephone Laboratories. Such a reduction makes it possible to increase the number of voice circuits that can be carried on a path. In the new process, the speech spectrum is first divided into four contiguous bands spanning the telephone frequency range. Each band nominally contains no more than one speech formant or vocal tract resonance. Then on each band the instantaneous frequency (or phase) of the signal is divided in half and the amplitude of the signal envelope (a curve that follows the wave peaks of a complex signal) is reduced in value to its square root. The new signal occupies approximately half the bandwidth of the original signal, but retains formant structure and pitch information. After the signal is transmitted, the signal rooting process is reversed by an analytic squaring operation and the original signal is reconstructed.

Products of HTS Machine Works in Brisbane, Australia, will be distributed exclusively by TV Zoomar, according to a joint announcement by Fred Hoe, Managing Director of HTS, and William Pegler, Sales Manager of TV Zoomar. The equipment to be distributed includes six models of professional TV camera pedestals, cam heads, tripods, mike booms and other



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equipment for color and monochrome TV cameras. Television Zoomar Co. is located at 500 Fifth Ave., Room 5520, New York.

Universal Laboratory Ltd. has announced a complete film processing service at 139 Wai Yip St., Kwun Tong Kowloon, Hong Kong. Representative in the United States is "Woods of Siam," 554 N. First St., Burbank, Calif. Production capabilities of the Hong Kong laboratory include processing of both 16mm and 35mm color negatives and printing of 35mm color positives, reduction of color printing from 35mm to 16mm and color printing of 16mm film. Services also include processing and printing color film copy and short films, soundtrack, titles and special effects.

Discontinuation of the manufacture and marketing of magnetic tape in the United States was announced by the Eastman Kodak Co., 343 State St., Rochester, N.Y. 14650, March 16. The shutdown will include audio and instrumentation tapes. An associate company in France, Kodak Pathe, will continue to manufacture and market magnetic tapes overseas, an operation it began in 1947.

Magnetic striping of film will not be affected, the announcement stated. Much-needed manufacturing space that becomes available through the magnetic tape shutdown will be utilized for film manufacturing.

A 150,000 ft² photolamp products plant has been constructed by Sylvania Electric Products Inc. at Dyersburg, Tenn. The one-story steel and brick structure contains 84,650 ft² of manufacturing area, 28,000 ft² of warehouse and truck dock area and 37,350 ft² of office, laboratory and service space. The plant is designed for production of Blue Dot Flashcubes and other flashbulbs.

Chroma Lab Inc., 311 W. 43rd St., New York, N.Y. 10036, is a new color film lab specializing in 16mm and 8mm. It is headed by Warren R. Smith who founded the first motion-picture lab in Pittsburgh, now operating as W. R. S. Inc.

Chroma Lab's activities will be confined to 16mm and 8mm color with emphasis on timing and color control. Services will include 16mm Ektachrome developing, workprints, reversal prints, internegatives and positive prints.

Ultrasonic translator detectors for industrial maintenance and quality control are produced by the Delcon Division of Hewlett-Packard, 1501 Page Mill Rd., Palo Alto, Calif. 94304. The devices are available from the 54 Hewlett-Packard sales offices in the United States and Canada. The devices are used to provide instantaneous translation of ultrasonic energy to the audible range.

Neumade Products Corp. has moved its offices to Scarsdale, N.Y. The firm's new address is 720 White Plains Rd., P.O. Box 568, Scarsdale, N.Y. 10583.

A total of 22 film producers now offer super 8 sound films in cartridges for the

Troubled by out-of-focus pictures?

Troubled by emulsion pile-up in your camera gate?

Troubled by distracting camera noise when shooting subjects who should not be distracted from what they are doing?

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If so, switch to Auricon, the only 16mm Camera that guarantees you protection against all these troubles, because it is so well designed! The Auricon is a superb picture-taking Camera, yet silent in operation, so that at small extra cost for the Sound Equipment, it can even record Optical or Filmagnetic sound in addition to shooting your professional pictures.

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AURICON SUPER-1200, takes 1200 ft. Runs 33 min. $5667.00 & up

AURICON "PRO-600 SPECIAL," takes 400 ft. Runs 11 min. $1295.00 & up

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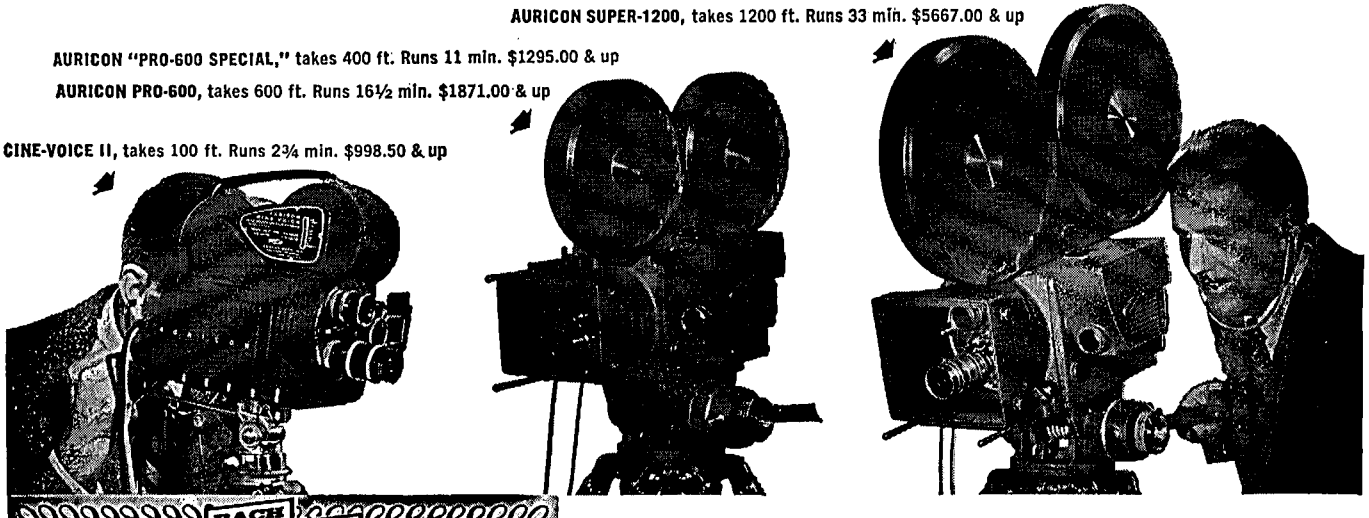

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Technicolor super 8 sound projector. Other producers are expected to make available films packed in the cartridges. Up-to-date listings are available from Technicolor, P.O. Box 517, Costa Mesa, Calif. The films use optical sound and the cartridges which contain up to 30 min of film can be changed in less than 2 s, permitting projection of full length feature films.

Superscope, Inc., 8150 Vineland Ave., Sun Valley, Calif. 91352, exclusive distributor in the United States of Sony consumer tape recorders, has been appointed a distributor of Sony audio professional tape recording equipment, effective until 1975. Under terms of the new appointment, Superscope will distribute Sony professional audio-tape recorders especially designed for use in the production of motion pictures, phonograph records and for broadcasting purposes.

Initial deliveries of the Quad-8 optical printers for super 8 (*Journal*, p. 371, Apr. 1965) have been announced by Andre Debrie of New York, 432 W. 45 St., New York, N.Y. 10036, American distributors for the Paris firm. Printing by reduction from a 16mm original, the Quad super 8 prints four simultaneous images on a single strand of 35mm film 35mm wide perforated for four strands of super 8. These new Tipro optical printers are also designed to make a four-rank "dupe" negative for later use on continuous printers. For this purpose it accepts 35mm-2R-1664.

A Professional Motion Picture Sales Department has been established by 3M Company, 2501 Hudson Rd., St. Paul, Minn. 55119, as part of the Photographic Film Division. D. W. Robinson has been appointed Marketing Manager of the new department which initially will market 3M Ferrania motion-picture films. Sales offices have been established in New York at 135 W. 50 St., and in Los Angeles at 6023 S. Garfield Ave.

Two long-time employees of Consolidated Film Industries, 959 Seward St., Hollywood, Calif. 90038, retired in March. Richard S. Rodgers, Sales Manager and Resident Counsel, retired after 40 years with the firm. Reginald Carrol had been with CFI for 45 years at the time of his retirement. He had been 35mm Black-and-White Sensitometric Control Foreman for 36 years and had also acted as Production Manager. Ken Jones succeeds Mr. Rodgers as Credit Manager.

Harvey A. Berger joined Tekmar Instruments Inc., engineering sales representitives, as Vice President of the corporation and manager of the new sales office in San Mateo, according to an announcement by Tekmar's President, Oscar P. Zabarsky, from the company's headquarters in Newport Beach, Calif.

Tekmar, incorporated in July 1966, provides the sales function for manufacturers making equipment in the fields of optics, chemistry, physics, electronics and oceanography. The new sales office is at 307 South B St., San Mateo, Calif.

Berger formerly handled sales and promotional activities in Palo Alto, Calif., for Griot Associates, also a manufacturers' representative.

James H. Butts was appointed sales representative of RCA broadcast equipment, with headquarters in Denver, according to an announcement from RCA's Broadcast and Communications Products Div., Camden, N.J. 08102. Butts had been chief engineer and program director for KBTV in Denver prior to joining RCA.

J. Woodward Blocher, a field sales manager for the Photo Products Dept. of E. I. du Pont de Nemours & Co., in Dallas, has been promoted to district manager of the southeastern district in Atlanta. He is succeeded in Dallas by Warren E. Lind. Blocher joined Du Pont in 1946 as a technical representative assigned to Los Angeles. He was named field sales manager for X-ray and motion-picture products in Dallas in 1961. Lind has been product distribution manager for the Photo Products Dept. since 1964. After joining Du Pont in 1955, he held a number of supervisory positions at the Parlin, N.J., photo products plant.

Jack Pill's Camera Equipment Co. has moved into new and larger quarters in the George Eastman Building, 1135 N. Highland Ave., Hollywood, Calif. The firm recently acquired Tech/Camera Rentals. As part of a general expansion program, Frank J. Kelly has been appointed Manager, Domestic and Export Sales.

Appointments: Bernard M. Kamber has been named Vice-President in charge of sales and Stanley D. Plotnick has been made Financial Vice-President of Du Art Film Laboratories, Inc. and Du Art Color Corp., according to an announcement by Irwin Young, president of both companies. Kamber was formerly President of Cinex Distributing Corp. Plotnick was formerly associated with Freeman, Davis Furgstch, Inc., CPA's.

George E. Spaulding, Jr., has been elected a corporate Vice-President of Bell & Howell Co. He was also appointed President of the firm's Electronic Instrumentation Group. In that post he succeeds Robert H. Garretson who was appointed President of the firm's Business Equipment Group. Mr. Spaulding joined Bell & Howell in 1961. He was formerly Director of Research and Engineering for Electric Auto Lite Co. of Toledo, Ohio.

Joseph A. Moscaret has been appointed Director of Paramount Pictures Corp's newly consolidated worldwide Nontheatrical Sales Department. Paramount is said to be the first motion-picture company to place all of its nontheatrical activities under one department. Mr. Moscaret was manager of Paramount's Nontheatrical Department which, prior to the consolidation, included only selected foreign markets. In his new post he will supervise sales and distribution of features and short subjects to all nontheatrical markets. Prior to joining Paramount, Mr. Moscaret was with the Army and Air Force Motion Picture Service.

Charles H. Bagley has been appointed Vice-President and General Manager of the Beckman & Whitley Division of Technical Operations, Inc., 441 Whisman Rd., Mountain View, Calif. 94040. Mr. Bagley came to Beckman & Whitley in 1959 from Stanford Research Institute. He was made Vice-President, Special Products in 1961. In 1964 he became Vice-President of Technical Operations, Western Branch, and from January 1966 to his present appointment he held the position of Vice-President, Photoinstruments at Beckman & Whitley.

Two appointments have been announced by Consolidated Film Industries (CFI), 959 Seward St., Hollywood, Calif. 90038. Ted Fogelman has been Laboratory Superintendent and Vice President in Charge of Production. Edward H. Reichard has been appointed Chief Engineer and Vice-President in charge of Engineering. Mr. Fogelman has been with CFI since 1936. Mr. Reichard joined CFI in 1936 at the firm's Fort Lee, N.J., plant. In 1936 he was transferred to Hollywood to construct the Hollywood laboratory and to design its equipment.

Howard C. Deck has been appointed Senior Engineer for Graflex, Inc., a subsidiary of General Precision Equipment Corp., Rochester, N.Y. 14603. He has been with Graflex as a project engineer since 1960. In his new post he will have increased responsibilities on new product development for the fields of education and training.

R. Donald Peterson, District Sales Manager for General Electric Television Broadcast Equipment, Pasadena, Calif., has been appointed Manager of Broadcast Product Planning in the GE Visual Communication Products Dept. at Syracuse, N.Y. He will be responsible for establishment of all requirements, specifications, scheduling and other phases of new product introduction.

William L. Robinson has been appointed Director of Engineering at Capitol Records, 1750 North Vine St., Hollywood, Calif. 90028. He has been with the firm since 1951, first as Senior Recording Engineer and later as Director of Recording. In his new post he will be responsible for all electronic engineering activities in Capitol's three factories and two recording studios in the United States and its ten operations in Europe and Latin America.

Sheldon Phillips has been appointed Product Associate, Product Planning and Technical Service, Special Applications, according to an announcement by Richard D. Lorbach, Manager of Product Planning for Eastman Kodak's Professional, Commerical and Industrial Markets Division, and Robert D. Anwyl has been named Product Specialist. He will report to Mr. Phillips. The Special Applications Division is concerned with "far-out" applications such as laser recording, holography, direct electron recording and oceanography. Both Mr. Phillips and Mr. Anwyl have been with Eastman for a number of years.

Harold Schumacher has joined the staff of Rodney D. Chipp & Associates, 15 Ward St., Bloomfield, N.J., consulting engineers in communications, broadcasting and television systems. He was formerly Director of Engineering of the Overmyer Communications Co. and has spent 21 years in the communications field.

William E. Glenn has joined CBS Laboratories as Staff Scientist. He was formerly with General Electric Research Laboratories in Schenectady, N.Y. Known for his work in thermoplastic recording systems, he is the author of numerous technical papers. Results of his early work in that field were reported in the *Journal* ("Thermoplastic Recorders," Sept. 1962, and

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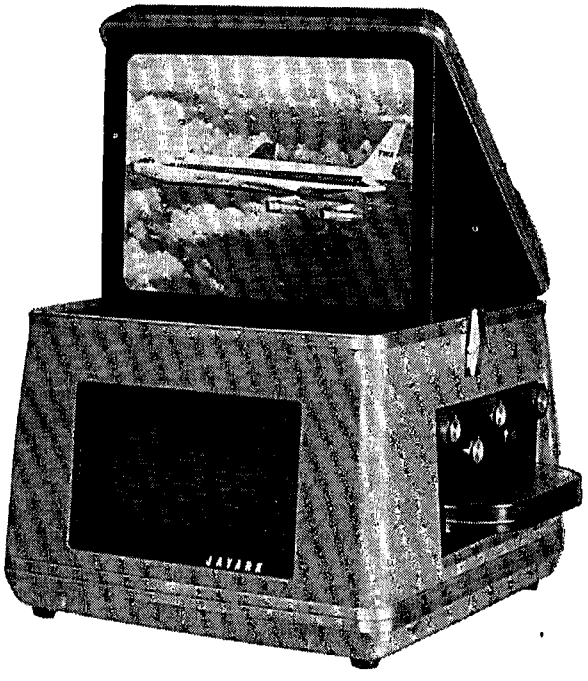

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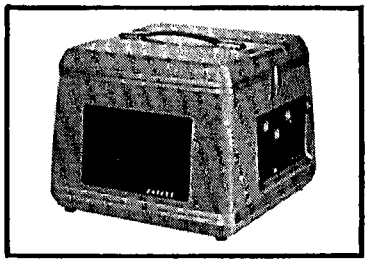

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"Thermoplastic Recording: A Progress Report," Aug. 1965).

Gerard H. Berberian has been appointed to the newly created position of Product Manager for BASF Sound Recording Tapes for Computron, Inc., Waltham, Mass. His appointment is in line with the company's expansion in the manufacture and marketing of sound-recording tapes. Computron, Inc., which is owned jointly by the BASF Group and General Electric Co., will open a magnetic tape manufacturing facility on a 44-acre tract in Bedford, Mass., later this year, it was recently announced.

Mitchell Aron has been appointed to the engineering staff of Fairchild Space and Defense Systems division of Fairchild Camera and Instrument Corp., Paramus, N.J. In his new post Mr. Aron will be responsible for the establishment and direction of a new section to design and develop simulation and display systems. He has had more than 20 years experience with some of the country's leading electronics companies where his activities included research, development, design and manufacture of electronic and optical devices and complex systems.

Clarence L. A. Wynd, General Manager of Kodak Park Works and an Eastman Kodak Co. Vice-President, retired February 25. He will continue as a member of the Board of Directors. At the time of his retirement Mr. Wynd had spend almost 40 years with Eastman Kodak. He is also a Vice-President and Director of the Eastman Gelatine Corp. in Peabody, Mass., a member of the Board of Directors of the Canadian Kodak Co., and of the Eastman Savings and Loan Assn. Successor to Mr. Wynd as General Manager of Kodak Park Works is Norman F. Beach. Mr. Beach has been with Eastman Kodak since 1930.

Mr. Wynd was guest speaker at the Society's 100th Technical Conference, which was held in Los Angeles. His address, on "1001 Nightmares," recounted in delightfully informal fashion a number of anecdotes concerned with numerous hazards encountered by photographic film along the road from manufacture through exposure to final processing.

Leonard F. Coleman, Director of International Services for the Rochester office of the Eastman Kodak Motion Picture and Education Markets Division, has been appointed to succeed William A. Koch in the division's Midwestern Region. Mr. Coleman began his career with Eastman Kodak in 1948 at the Kodak Park Works. Later he worked in film processing and as a laboratory technician. He became a group leader of motion-picture laboratory personnel and then was appointed a member of the analysis and evaluation staff in sensitometric methods.

Morris A. Mayers has been appointed Manager, Educational Broadcast Sales, for Visual Electronics Corp., 356 W. 40 St., New York, N.Y. 10018. In that post he will be responsible for coordinating the firm's operations in the educational broadcasting field. Mr. Mayers was formerly with Du Mont Television Network as Manager of Closed-Circuit Operations and was coordinator of the Communications Demonstrations Center in the Visual Exhibit of the New York World's Fair.

Theodore H. Truesdell has been elected President of D. B. Milliken Co., 131 North Fifth Ave., Arcadia, Calif. 91006. He was formerly First Vice-President of the company. Donald B. Milliken, formerly President and Chairman of the Board, will continue as Chairman of the Board. The firm designs and manufactures high-speed cameras.

Four appointments, three to the post of senior research associate and one to the post of senior technical assistant, have been made in Kodak Research Laboratories. The three new senior research associates are Frank Fowler, Jr. (in the Chemistry Div.), George W. Luckey, senior research associate for special research, and Rex B. Pontius (in the Color Photography Div.). Robert B. Smith has been appointed a senior technical associate for the Administration Div. Mr. Fowler has been with Eastman Kodak since 1940. He began his career in the Organic and Polymer Chemistry Dept. of Kodak Research Laboratories. Dr. Luckey joined Kodak as a research chemist in the Photographic Theory Dept. in 1950. Dr. Pontius joined Kodak in 1937 and later conducted research in the field of color photography.

Miguel A. Reyes has been appointed Sales and Field Engineer for Latin American areas for Visual Electronics Corp., 356 W. 40 St., New York, N.Y. 10018. Mr. Reyes taught airline communications and electronics at a private trade school in Havana, Cuba, in 1949. Later (pre-Castro) he worked with the first Latin American television network in installing facilities and then became Assistant Chief Engineer of the Video Division at Network Headquarters (CMQ TV Havana). In 1960 and 1961 he installed studio facilities for new TV stations in Central America.

Mervin W. LaRue, Sr., and Gunter H. Doetsch have announced their association in the new firm, Mervin W. LaRue, Inc., 159 East Chicago Ave., Chicago, Ill. Mr. LaRue is Chairman of the Board and Mr. Doetsch is President of the new firm.

Eugene D. Warren has been elected a Vice-President of TNT Communications Inc., 575 Madison Ave., New York, N.Y. 10022. He is in charge of the firm's Electronics Division located at Woodside, N.Y. He joined TNT in 1961 as Director of Engineering. He was formerly Manager, Effects Services at CBS Television Network. TNT specializes in engineering and system design for closed-circuit communications.

Robert Heine-Geldern has been appointed Director of Reprographics Research and Development of Ing. C. Olivetti & C., S.p.A, Ivrea, Italy. (Olivetti Underwood Corp. of New York is a subsidiary of the Italian firm.) Dr. Heine-Geldern will be in charge of reprographics technical efforts at both the Italian and United States headquarters. He was formerly Manager of New Processes Dept., Xerox Research Laboratories, Rochester, N.Y.