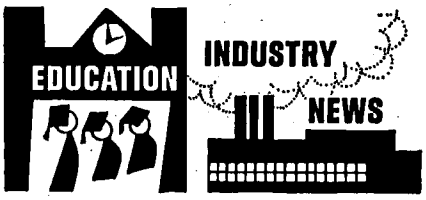


Jack Warner, youngest of the four Warner brothers who revolutionized the motion-picture world in 1926 by introducing talking pictures, has pledged the University of California's Board of Trustees, of which he is a member, that he will provide $1.5 million toward the construction of a building to accommodate USC's Division of Cinema. The building will be known as the Ann and Jack Warner Hall of Cinema. It will be part of the $4.4 million Center for the Performing Arts that eventually will be occupied by USC's School of Performing Arts, which includes, in addition to the Division of Cinema, the School of Music and the Division of Drama. The Ann and Jack Warner Hall of Cinema will contain a theater, production facilities, classrooms, offices and library areas.

The USC Division of Cinema is the oldest and largest school of its kind in the United States. Courses in subjects relating to cinema have been offered at USC since 1929. The Department of Cinematography was established in 1932 and in 1966 the name was changed to Division of Cinema when the department became part of the School of Performing Arts. More than 150 student films are produced annually by the Division. Twenty or more are entered each year in major film festivals and most of those entered have received honors. The Division has also received an Oscar for the film *The Face of Lincoln*, a study of a sculptor, Merrell Gage, sculpting a head of Abraham Lincoln.

Subjects covered in courses offered by the Division include camera, editing, sound, writing, production, unit management, directing, animation, history and criticism, and the business economics of motion-picture production.

A color television camera, constructed by Westinghouse Corp., makes use of the field-sequential system developed some 28 years ago by Peter C. Goldmark, President of CBS Laboratories, to enable Apollo astronauts to send a color "travelogue" of their trip around the moon to television viewers on earth. The 15-lb camera is about 17 in. long, including a variable-focus zoom lens. It was designed specifically to be carried aboard the Apollo 10 command module and it is the first color TV camera designed for use aboard a manned spacecraft. The lens has a variable focal length ranging from 12.5 mm to 75mm. It provides a diagonal field of view variable from 54° to 9°. Aperture stops range from $f/2.2$ to $f/22$ with a focus range of 20 in to infinity. The TV monitor weighs less than 4 lb and has a black-and-white viewing screen measuring 2 by 2¾ in. It is carried inside the command module to enable the astronauts to see the exact picture the camera is transmitting to earth.

The camera uses an SEC (secondary electron conduction) "see-in-the-dark" imaging tube. It is the same type of tube that was used on the Westinghouse lunar TV camera flown on Apollo 9.

Color telecasts are possible because of a rotating color wheel (field-sequential system) with red, blue and green filters arranged so that the filters pass in front of the imaging tube. The wheel spins at 600 r/min. and is divided into six sections so that the sequence of color filters as they pass in front of the tube during one revolution will be red, blue, green, red, blue, green. (The system is based on the phenomenon of persistence of vision.)

In operation, the camera transmits separate red, blue and green images to earth receiving stations. Special conversion equipment combines the colored images to produce a single "live" color picture. The conversion equipment produces images at the rate of 30 frames/s.

The tiny monitor on the spacecraft receives its power (about 3 W) and video signal through a 9-ft. cable connected directly to the camera. The camera operates on about 20 W.

Cine (Council on International Non-theatrical Events) has selected 225 motion pictures as United States entries in more than 60 film festivals throughout the world. Each of the 192 professional motion pictures and six amateur productions will receive the CINE Golden Eagle and 27 amateur productions will receive the CINE Eagle at ceremonies to be held on November 14 in Washington, D.C. At that time, foreign ambassadors to the United States and other diplomats will award prizes earned during the year from festivals in their respective countries. Last year CINE was awarded the Grand Prix at the Cortina Film Festival in Italy for the best group of films from any nation and received a like award at the Trento Film Festival in Italy (*Journal*, p. 46, Jan. 1969).

Reid H. Ray, CINE President, said that the improved quality of American motion-pictures made selection of Golden Eagle recipients increasingly difficult. The Rev. David O. Poindexter of the National Council of Churches, New York, is Vice-President in charge of the national selection process.

The 4520 Tractor, a film produced by Reid Ray Film Industries of St. Paul, Minn. for John Deere, has been awarded first prize by the National Agriculture and Marketing Assn. for a film in the agricultural product category. The film is included as part of the John Deere *Farming Frontiers*, 1969, film program. Unusual optical and camera effects and cinema verité techniques were used by the Reid Ray Film Studio in making the film. The voice of Burgess Meredith narrated the film and modern music used to add to the effectiveness. The film also included animation. Reid Ray Films has been producing motion pictures for John Deere since 1927.

The American Film Institute has established a Center for Advanced Film Studies at Greystone, 501 Doheny Road, Beverly Hills, Cal. 90210. Greystone, a 55-room mansion, was made available to AFI by the City of Beverly Hills on a 12-year lease. AFI will refurbish the building and install projection facilities, film study rooms, recording facilities, a library and a full range of 35mm and 16mm equipment. Fifteen applicants, including young professionals and the most promising graduates of university film programs, will be accepted as Student Fellows each September for a two-year program. Ten will concentrate on writing and directing, two on cinematography and three on film history and criticism.

The 1969 International Industrial Film Festival will be held November 12–16 in Berlin, Germany, it was announced by the Council of European Industrial Federations. Hosts in Berlin will be the Bundesvereinigung der Deutschen Arbeitgeberverbande and the Bundesverband der Deutschen Industrie. The films which will represent Great Britain were selected from entries in the British Industrial Film Festival held June 17–19 in Brighton. The festival was organized by BISFA in cooperation with the Confederation of British Industry.

The U.S. Industrial Film Festival held its second annual Gold Camera award presentation ceremonies April 24 in Chicago. Among winning entries were industrial films produced in Australia, South Africa, Holland, England and the United States. Some 250 films and filmstrips were entered from 12 countries. First prize in the art and culture category was awarded *Radio Bantu*, a film made in South Africa to show the efforts of the government to communicate with the people of the nation through their seven languages.

The second Motion-Picture Seminar of the Northwest was held June 6–7 in Seattle, Wash. Discussions included film law, copyrights, use of stock film libraries, film accounting and others. A "beginner's clinic" for students and other interested persons covered the basics of film production. Also, experimental films were shown and discussed.

Bibliography of Special Effects Patents, listing patents issued in the United States, Great Britain, France, Austria, Switzerland, Sweden, Norway and Italy in the late 19th and early 20th centuries (1850-1935), has been compiled by Ali Elgabri, a professor in the Department of Photography and Cinema, Ohio State University, Columbus, Ohio. The bibliography lists 582 United States patents (1850-1935), 154 British patents (1868-1931), 18 French patents (1902-1924), seven Austrian patents (1901-1928), three Swiss patents (1899-1918), one Swedish patent (1920), one Norwegian patient (1903) and one Italian patent (1925).

The first patent listed was issued to Langenheim on November 19, 1850, in the United States for "Improvement in Photographic Pictures in Glass." Some well-known names are seen in the bibliography (the list includes name of the person to whom the patent was issued, title of patent, number and date) such as E. Muybridge who was issued U.S. Patent No. 9,960 in 1881 for "Method of and Apparatus for Photographing Objects in Motion." L. Gaumont was issued a patent in the United

States in 1904 for "Means for Operating Synchronously Phonographs and Kinematographs." T. Armat was issued a patent (U.S.) in 1921 for "Production of Animated Pictures."

Members of the Society are well represented in the list of early patents. Such names as F. Ives, J. Capstaff, Tuttle (C. and F.), C. Jenkins, D. Shearer and W. Disney appear throughout the list. However, most of the patents, both here and abroad seem to have been issued to less well-known inventors.

The first British patent was issued to F. Hartley in 1868 for "Producing Optical Illusions." A British inventor with an oddly appropriate name is S. Films who, in 1905, was issued a patent for "Improvements in Photographic Plates and Films." An interesting French patent was issued in 1923 to Paul Capellani for "Simultaneous Cinematographic Representation of Normal, Lilliputian or Gigantic Persons and Unreal Forms."

The *Bibliography* is priced at $1.00 and it is available from The Department of Photography and Cinema, Ohio State University, Haskett Hall, 156 W. 19th Ave., Columbus, Ohio 43210.

Electronic Video Recording cartridges will be processed in North America in a plant in New Jersey which has been leased by Columbia Broadcasting System. The plant covers 104,000 ft² and is located on a 6.8-acre site in Rockleigh Industrial Park, N.J. Manager of Engineering for the new EVR Cartridge Plant will be Joseph E. Gahagan who will participate in planning, equipping and placing the new plant in operation. The first European cartridge plant was established in Basildon, England, by the EVR Partnership, consisting of CBS, Imperial Chemical Industries Ltd., and CIBA.

Magnasync/Moviola Corp., North Hollywood, and Craig Corp., Los Angeles, have signed agreements leading to a proposed merger of the two companies. The combined entity will be known as Magnasync Craig Corp. Craig Corp. designs and manufactures stereo tape and cassette recorders and distributes a line of audio-visual equipment for instructional use. Magnasync/Moviola manufactures professional studio equipment for motion-picture and television applications and also distributes a line of audio-visual equipment for instructional use. After completion of the merger Robert Craig will be President of Magnasync Craig Corp.

Ken-Com, Inc., Milwaukee franchised engineering contractor of Jerrold Electronics Corp., will design and install a 2,500-MHz Instructional Television Fixed Service (ITFS) system for Milwaukee Medical Instructional Television Stations, Inc. The system will link the Veterans Administration Center with Marquette School of Medicine, Milwaukee County General Hospital, St. Joseph's Hospital and ten other institutions. The system will be used for diagnostic conferences, surgical demonstrations, nursing instruction and similar applications. The system, which will have full color capability, will be operated at frequencies in a microwave band higher than VHF and UHF. The ITFS band is reserved by the FCC for instructional television.

Montclair Cinema I & II is a $1 million dual theater recently opened in a Montclair, Cal., shopping center. The dual theater consists of a 1,000-seat theater and a 500-seat theater connected by a central lobby. A central dual projection booth is located on a second level deck. The arrangement permits the showing of two films simultaneously. The arrangement permits adult entertainment to be shown in one theater and films suitable for children or young people in the other. The theater has no marquee attached to the building. Instead, a large illuminated sign is located a short distance from the theater. The theater has a built-up stageless screen and push-back seats with extra-wide aisle space. Automated projection booth equipment has been installed. The theater is owned by Montclair Associates.

Automated Theaters of America, Inc. (ATA) has been granted exclusive use of the Zeiss-Ikon 16mm Favorit automated motion-picture projection system, it was announced by Howard Smith, ATA President. The equipment, originally developed for use at Expo '67, has not previously been used in this country, the announcement stated. ATA was founded in 1968 to operate fully-automated motion-picture theaters accommodating from 250 to 500 viewers. The first such theater was opened in November 1968 in Brooklyn, N.Y. The theater has 250 seats. Switches control the projector as well as house and marquee lights, screen curtain and music. The switches are centrally located in the projection booth. One switch dims the house lights and a second switch starts the projector which is capable of running for a full show without reloading. ATA headquarters are at 1345 Avenue of the Americas, New York, N.Y. 10019.

Universal Container Corp. has acquired Kettner Corp. of New York, according to a joint announcement by Mac Kettner, President and founder of Kettner Corp. and Lewis Maslow, President of Universal, a diversified container firm located at 717 Fifth Ave., New York. Kettner Corp. has been active in the financing and co-production of American and European feature-length motion pictures. Universal operates primarily in the international packaging field. The firm has advanced recently into the food processing, chemical, apparel, marine-electrical, electrical, leisure time and entertainment fields.

Television Equipment Associates (TEA) is a new organization for the marketing and distribution of TV equipment and services. TEA head is Bill Pegler who resigned from Television Zoomar to form the new organization. The initial offering will include the H.T.S. line of camera pedestals and heads, TV Colorgard meters for balancing color monitors (Gardner Laboratory), Zoomar

products, Bristol tone control equipment for remote control of TV cameras, Recotec video-tape conditioner and other products. Mr. Pegler joined Television Zoomar in 1957 and was a partner with F. G. Back and Jack Pegler. TEA headquarters are at 9 Cliff Drive, Bayville, N.Y. 11709.

Eastman Kodak Company is building a multimillion-dollar marketing education center in Henrietta, N.Y. The 390-acre site, located on the Genesee River, will be known as Riverwood. The center will allow Kodak training programs to be brought together in a central location. Plans call for a complex of four interconnected buildings, including a laboratory, a classroom-and-seminar building, each two stories above the ground, and a three-story reception and administration structure. The fourth building will be a terraced dining pavilion connected to the rest of the complex by an underground passageway. Completion of the center is expected in mid-1970.

S.O.S. Photo-Cine-Optics, Inc., of New York, has opened a new branch at 51 E. 10th Ave., Hialeah, Fla., it was announced by Dom J. Capano, S.O.S. President. The new branch will be housed in the same building as F&B/Ceco Inc. Wallace Conklin has been appointed Florida Sales Manager.

Alan Gordon Enterprises, 5362 N. Cahuenga Blvd., North Hollywood, Cal. 91601, has announced availability of two new color correction filters designed to give true-to-life color renditions with average fluorescent lighting. One filter is designed for use with all daylight type films and the other all indoor Type B films. Both filters eliminate the deep blue-green cast ordinarily resulting from shooting color films under fluorescent lighting conditions.

The Music Makers Group, Inc. has announced completion of an agreement to acquire a chain of six motion-picture theaters located in shopping centers in New Jersey and in Westchester County, N.Y., from the AIT Theaters Group of New Jersey. The chain will be operated as a wholly-owned subsidiary under the name Music Makers Theaters. The six theaters were described in the announcement as first-run houses, oriented to family entertainment and with an average capacity of 800 seats. The acquisition represents the Music Makers first venture into the motion-picture exhibition field. The company creates original music for motion-pictures and television, operates a film dubbing facility and maintains sound and music libraries. Music Makers headquarters are at The Tower, Hotel Warwick, 65 W. 54 St., New York.

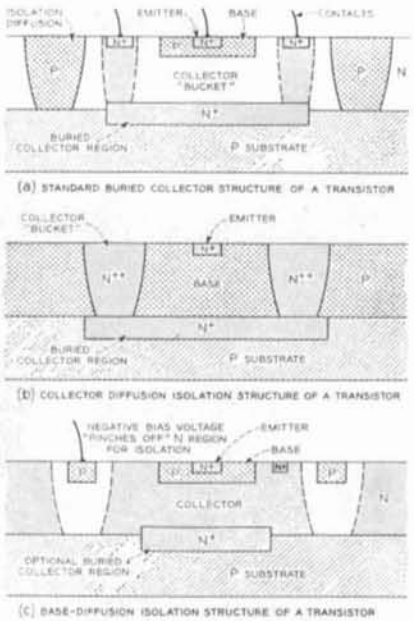
Graphic Consultants Ltd., 181 Belsize Drive, Toronto, has been appointed exclusive distributor of Metro/Kalvar photographic products in Canada. Greg Hoy, President of Graphic Consultants, said that it was planned to use Metro/Kalvar motion-picture film and equipment in the reproduction of a 2,500-reel library of silent films originally made between 1895 and 1930. The library is believed to have

the largest collection of filmed Canadiana in existence. Metro/Kalvar is a subsidiary of MGM, Inc., and Kalvar Corp.

In a separate announcement it was revealed that Kalvar Corp. and the shareholders of Data Processing Center, Inc., of New Orleans, La., have entered into an agreement which provides for the exchange of Kalvar common stock for all outstanding shares of Data Processing Center, a service bureau providing data processing services to companies in New Orleans and Southern Louisiana. The company will continue to operate under its present management either as a subsidiary or division of Kalvar Corp.

Dynalens, a stabilizing device produced by Dynasciences Corp., is available for rental, long-term lease or sale by The Camera Mart, Inc., 1845 Broadway, New York, N.Y. 10023. The Dynalens is used to provide stabilization for pictures shot with handheld or vehicle-mounted 16mm and 35mm cameras as well as providing image stabilization in motor boats and helicopters.

Boston Research Corp., 77 Summer St., Boston, MA 02110, established to produce selective-frequency reflective coatings by high vacuum deposition on glass and plastics, has announced a recent expansion in the area of general lighting and radiation control equipment. The firm also produces reflectors and luminaires for special applications such as infrared military reconnaissance, oceanography, lunar surface photography and others.



New isolating methods for bipolar integrated structures developed at Bell Telephone Laboratories, greatly reduce the number of processing steps and increase the packing density of components. Conventionally, as shown above (a), a transistor is isolated by specially diffused regions. One new structure isolates the transistor with its collector contact areas (b) by changing the doping of the top layer to P-type. Thus, the epitaxial layer becomes the base of the transistor and the strongly doped N-type collector contact segments also keep the P-type base region within securely isolated. This collector-diffusion isolation eliminates one to two critical masking steps and reduces the area of a transistor by nearly 75%. The resultant devices have switching times of about 5 ns.

The second structure relies on base-diffusion isolation (c). A shallow and narrow P-type ring is diffused around the transistor at the same time its base is built up. A negative bias voltage applied to the ring "pinches off" the N-type region, keeping the area inside the ring isolated. Without the buried collector, transistors built with base-diffusion isolation are suitable for very low power applications. They require fewer masking steps and 75% less area than conventional types. The buried collector makes possible switching times of less than 1 ns.

Instrumentation Marketing Corp., Burbank, Cal., has established a new sales office at 3215 Millmar Drive, Dallas, Tex., to provide closer liaison and better sales and service in the 13 states west of the Mississippi. Head of the new office is Edmund Zelasney.

Carter Engineering Co. of Hollywood has announced formation of an associate corporation, Carter Equipment Co., which has been appointed exclusive sales agent for Andre Debrie of New York. The new company will handle professional motion-picture equipment including 16mm cameras, printers, processors and projectors. President of the new firm is W. D. Carter. He

was formerly Assistant Chief Engineer of Consolidated Film Industries.

Bell Telephone Laboratories engineers are using two types of Schottky diodes in integrated-circuit memories to reduce the cost and increase the switching speed of the circuitry. Reverse-biased Schottky diodes with low energy barriers, which operate as loading resistors, are much smaller than conventional diffused resistors. Schottky diodes with high energy barriers, which connect memory cells to pairs of digit lines, permit very fast switching. The low- and high-energy barrier diodes are formed on lightly doped P and N type silicon, respectively. Ion implantation and diffusion processes can be used to control the doping of the silicon, respectively. Ion implantation and diffusion processes can be used to control the doping of the silicon. The diodes are created in an operation that also forms the ohmic contacts on heavily doped areas and which is a part of the beam-lead integrated-circuit fabrication sequence. The only variation from the standard beam-lead process involves the substitution of rhodium for platinum as the first metal deposited.

Continuous-wave ultraviolet, visible and infrared lasers using vapors of cadmium, tin and zinc and operating at temperatures ranging from 200 °C to 1,000 ° C have been developed at Bell Telephone Laboratories. The main component of the new lasers is a simple glass or quartz discharge tube, such as is used in helium-neon lasers. Metal pellets placed in smaller side tubes attached to the discharge tube supply the required vapor.

Cadmium vapor is used to generate ultraviolet and blue laser lights. Tin vapor produces red and zinc infrared light. The lasers are relatively simple to build and it is expected that small versions of the new lasers can be built for less than $500. The blue laser has produced about 150 mW in a 1-m long cavity at an efficiency of 0.05%. Because of the laser's deep blue color possible future uses may include color television.

Use of ultrasonic energy to clean and remove dyes from color film processing racks has been tested at Eastman Kodak Co. in an effort to prevent deterioration of metal parts and rollers caused by harsh cleaning acids and caustics. The tests "showed excellent results," the announcement stated. The ultrasonic method requires a tank containing a special cleaning chemical, a generator for high-frequency electrical energy and a transducer that converts electrical energy to mechanical energy in the form of sound waves. The cleaner, used for the tests in a 10% dilution ration, is a phosphoric acid, alkylphenol-polyethelene glycol-ether and water formation. As ultrasonic waves are generated in the solution, cleaning occurs with the expansion and collapse of a cavity in the liquid. This results in a mechanical scrubbing action on the surface of the rack.

Larry Davee, President of Century Projector Corp., was honored at the annual dinner of the 25–30 Club IATSE (Pioneer Motion-Picture Projectionists) held April 17 in New York, by presentation of a scroll in "recognition of achievements and contributions which have resulted in general progress to the entire motion-picture industry." Mr. Davee is an Honorary Member of the club. Presentation was made by Allen G. Smith, of Ashcraft Manufacturing Co., also an Honorary Member of the club. Mr. Davee then presented Mr. Smith with a gold life-membership card in token of his many years of service to the 25–30 Club.

J. Karl Justin has joined Max O. Urbahn Associates, Architecture and Planning, 642 Fifth Ave., New York, NY 10019. He was formerly with Hamby, Kennerly and Slomanson, a New York firm of architects and engineers. Mr. Justin is the author of "Highlights of the New Building Code for New York City as Related to Theaters" in the February 1969 issue of the *Journal*

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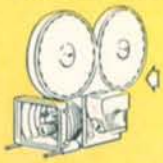

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and of "Lecture Hall and Learning Space Design" in the March 1966 issue.

Joseph N. Tawil has been appointed President of Berkey-ColorTran, Inc., Burbank, CA, it was announced by Benjamin Berkey, President of Berkey Photo, Inc. In his new post, Mr. Tawil will be responsible for the management and operation of Berkey-ColorTran. Prior to this appointment, he was Eastern Marketing Manager for Berkey-ColorTran where he provided creative and technical lighting assistance for commercial and educational television. He also provided service for dealers in eight eastern states and Puerto Rico.

Slim Macdonnell has been appointed Manager of Birns & Sawyer – England, 11 Swanscombe Terrace, Swanwick Lane, Southampton. Mr. Macdonnell, who is a noted underwater photographer and producer, will represent the firm's Oceanographic and Motion-Picture divisions. Five other newly created marketing divisions are headed by Maurice Perault, Paris, France; Helmut Hunger, Kiel, Germany; Max De Vlieger, The Hague, Holland; John V. Barry, Sydney, Australia; and F. W. L. Miller, Hong Kong.

Edward Willette has been appointed Manager of Oxberry-Berkey products, it was announced by Berkey Technical, 25–15 50th St., Woodside, NY 11377. In his new post he will be responsible for sales of Oxberry Printers, Animation Stands and Filmakers throughout the world. He was formerly technical sales representative for Oxberry in the motion picture, TV and educational fields.

Saul Jeffee, President and Chairman of the Board of Movielab, has been elected Chairman of the Board of Trustees of the Lorge School. The school was founded in 1961 to provide special education for students with learning disabilities. Mr. Jeffee's first action as Chairman of the Board was to introduce a resolution, which was affirmed by the trustees, granting "40 per cent scholarships" to disadvantaged student applicants. This, in effect, provides free tuition for children between the ages of four through 18.

Mr. Jeffee has long been active in community affairs. He is Chairman of the Professional Film Committee of Lincoln Center for the Performing Arts and he has been presented with a special citation from Mayor John Lindsay for his efforts in bringing additional trade and commerce to New York City. He is the author of *Narcotics — An American Plan* which is highly regarded as a reference work.

Three new vice-presidents have been appointed by Calvin Communications, Kansas City, MO, it was announced by Calvin President, Leonard W. Keck. The new vice-presidents are Larry A. Kauffman, James E. Moore and Donald S. Phillips. Mr. Kauffman will have responsibility for all corporate sales, marketing and client contact activities. He has been with Calvin since 1956. Mr. Moore will be in charge of all creative production functions. He has been with Calvin for 12 years. He was formerly supervisor of film directors for Raphael G. Wolff Productions in Hollywood. Mr. Phillips will head the coordination of all administrative activities at Calvin locations in Kansas City and Independence, MO, Louisville, KY, and Philadelphia, PA. He has been with Calvin for eight years.

Victor James has been appointed Executive Vice-President and General Manager of Arriflex Corp. of America, 25–20 Brooklyn–Queens Expressway West, Woodside, NY 11377, and Bruce E. Harris has been appointed Vice-President Marketing, it was announced by Paul Klingenstein, President. Mr. James has been with Arriflex Corp. and Kling Photo Corp. for more than 17 years. He is well known for his work with filmmakers in government, industry, science and education. Mr. Harris will have full charge of sales and marketing functions. He has been with Arriflex Corp. for seven years and with other Berkey Photo Companies since 1954.

Joseph J. Barber has been appointed Quality Control Supervisor of the newly reorganized Quality Control Department, Cine Magnetics, Inc., 518 North Barry Ave., Mamaroneck, NY 10543, it was announced by Edgar Schuller, Vice-President and General Manager of the laboratory. Mr. Barber has had 12 years experience in the motion-picture laboratory field, all in quality control. Prior to joining Cine Magnetics, he was Quality Control Supervisor for Perfect Film Laboratories.

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14 New Model C Printers added.

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In place in Hollywood, and scheduled to be in operation this summer, a Color Reversal Intermediate Developing Machine, 35mm and 16mm, designed with advanced automatic quality controls.

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Sylvia Lee has been appointed operating head of Alan Gordon Enterprises Inc., it was announced by Mrs. Alan Gordon, Chairman of the Board of AGE Inc. Miss Lee who, with Mrs. Gordon and Don Sahlein, is a member of the company's Board of Directors, has been a director of the company since it was founded in 1946 and was Executive Assistant to the late Alan Gordon, President and founder of the firm. Mrs. Gordon also appointed Robert Kuhagen, Grant Loucks and Mr. Sahlein as Senior Vice-Presidents of the company, following a pre-arranged plan formulated by Mr. Gordon before his death on March 6. Alan Gordon Enterprises has facilities in North Hollywood and Hollywood. The Motion Picture Equipment Sales Division recently moved to the Hollywood facility at 1430 N. Cahuenga Blvd. An expansion program is planned for the Television Division which will include a video-tape and film transfer facility.

George L. Carrington, Jr., has been elected President of Altec Service Corp. of LTV Ling Altec, Inc., it was announced by Alvis A. Ward, Chairman of the Board and President of the newly-formed Ling Altec Group comprising, in addition to Altec Service, Altec Lansing Division of Anaheim, CA, and Port Washington, NY, Ling Electronics Division of Anaheim, CA, and Wilmington, MA, and LTV Ling Altec, Ltd., of England. Mr. Ward also announced appointment of M. N. Wolf as Vice-President of Sales and James T. Eves as Vice-President of Operations.

Appointments in the Altec Lansing Division include President, H. S. Morris; W. H. Johnson, Vice-President for Marketing; A. K. Davis, Vice-President of Manufacturing; and J. J. Noble, Vice-President of Engineering.

J. R. Ritenour, formerly President of Modern Teleservice, New York, is continuing with the firm as a consultant on new business development. He is succeeded as President by Benjamin DeSio, it was recently announced. The company also announced appointment of Richard Russell to the post of Executive Vice-President for Operations.

Ted J. Diamond has been appointed Sales Manager of Magnasync/Moviola Corp., Studio Division. He has been with the firm for 22 years. In his new post he will be responsible for all domestic and foreign sales of Magnasync professional motion-picture sound recording equipment, including studio systems design and installation. The company is a subsidiary of Monogram Industries, Inc., with headquarters at 5539 Riverton Ave., North Hollywood.

Gary P. Schrager and Otto E. Goetz have been appointed Headquarters Salesmen for General Electric Co.'s Visual Communication Products Dept., at Schenectady, NY, and Robert L. Rosenberg has been appointed to the newly created position of Specialist, Marketing, Video Projector. Mr. Schrager has been with GE since 1966. He was formerly with Eastman Kodak Co. where he worked on densitometry calibration. In his new post he will be responsible for headquarters sales liaison with GE district offices in Washington and Chicago and for overseas business development.

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