

Sustaining Members

of the Society of Motion Picture and Television Engineers

Academy of Motion Picture Arts and Sciences, 9038 Melrose Ave., Hollywood, CA 90069 (213) 278-8990

The Academy is an honorary nonprofit organization of more than 3,800 members, founded in 1927 to advance the arts and sciences in filmmaking; foster cooperation among creative leaders for cultural, educational and technological progress; recognize outstanding achievements; cooperate on technical research and improvement of methods and equipment; provide a common forum and meeting ground for various branches and crafts; represent the viewpoint of the actual creators of the motion picture; and foster educational activities. While only one of many projects carried out on a year-round basis, the annual Academy Awards Presentation is undoubtedly the best-known of all Academy activities. It has been held every year since the organization was founded, with the aims of raising the standard of motion-picture production educationally, culturally and technically and dignifying the film medium. The Academy's Margaret Herrick Library is regarded as one of the most complete collections in the world of technical and historical information; it contains more than 8,000 books and periodicals about production, personnel, cast and technical credits, reviews, photographs and other pertinent information about nearly every motion picture made in this country since 1915. It is open to the public. To encourage and stimulate further progress by craftsmen within the motion-picture industry and provide incentive, knowledge and support to persons preparing themselves to enter the film medium, the Academy conducts a number of educational activities, such as its scholarship program to aid and encourage students studying motion-picture crafts and researchers in developing technical innovations in universities and colleges and its sponsorship of films dealing with various techniques of filmmaking. The modern, 1,000-seat Academy Award Theater is one of the best-equipped in the world.

Address inquiries to: the address above.

Agfa-Gevaert, N.V., Septestraat, B-2510 Mortsel (Antwerp), Belgium. U.S. rep., Agfa-Gevaert Inc., 275 North St., Teterboro, NJ 07608 (201) 288-4100

Agfa-Gevaert, N.V. belongs to the Agfa-Gevaert group, who have factories in Germany and Belgium, Argentina, France, India, Spain, Portugal and USA. The main plants are at Mortsel (Antwerp), Leverkusen (Cologne) and Munich. The entire staff, world-wide, numbers about 34,000 employees. The manufacturing program includes light-sensitive material for general photography, photographic apparatus, equipment and machines for photographic laboratories, magnetic film and tape, and products for applied photography (professional cinematography and television, medical radiography, non destructive testing, graphic arts, office copying and office offset, electrophotographic office copying, micro-copying, stabilization systems, industrial reprography and audiovisual techniques). Products are distributed through 23 subsidiary companies and 120 agencies throughout the world.

Address inquiries to: Agfa-Gevaert in the U.S., at the address above.

Alex Laboratorios Cinematograficos S.A., Dragones 2250, Buenos Aires, Argentina 783-9877 and 781-7041/47

Alex is a modern laboratory for processing 35mm and 16mm color and black-and-white film. The color systems processed are Eastman Color, Gevaert Color, Fuji and Ferrania. A HFC Panel Printer has been installed for color printing. In addition, we have incorporated two panel printers of the same type, one for 35mm and one for 16mm color printing. A 35mm bidirectional panel printer was incorporated early in 1975. A Houston film processor for 16mm Ektachrome films, types ECO-3 and ME-4, has been added to our line of production as well as a Dupue reduction printer with scanning incorporated. A film processor for Kodak 5247 color negative started operation in early 1975. Color and density corrections are provided by the Eastman Video Color Analyzer, Model 1635. Services also include computerized reduction printing from 35mm to 16mm including

sound and liquid gate printing; film subtitling by photographic or Titalex Direct Etching systems; optical and special effects by the Research Products Optical Printer and anamorphosing and deanamorphosing by the Alexscope process. The lab offers its customers 80 editing rooms with Moviolas; seven projection rooms; film cleaning by machine and a negative storage vault and facilities for the production of educational filmstrips. A machine shop as well as an electrotechnical shop are responsible for building and maintaining equipment and high precision parts and for ensuring uninterrupted service. Additional services include a complete dubbing department, rental of camera, lenses, lighting and recording equipment and focus control by collimation on optical bench. The 30,000 ft² air-conditioned building shelters both the laboratory and Phonalex, a modern sound recording center with rerecording rooms, sound stages for music recording with 2, 3, 4 and 8 stereo channels, a console of 12 microphone or line input channels and up to 12 program output channels. Projection of 35mm and 16mm is provided on every stage. Transfers from all types of tapes and mag film are effected with or without sync punch with Maurer and Westrex sound equipment. There is a disc-cutting service for record pressing and a complete library of sound effects and stock music. In Phonalex as well as in Alex, individual attention and adoption of up-to-date techniques, plus new engineering principles, result in services of the highest international standards. The two companies maintain a staff of some 300 skilled technicians and employees.

Address inquiries to: the address above.

The Allen Products Co., 180 Wampus Lane, Milford, CT 06460 (203) 874-2563

The Allen Products Co. manufactures a complete line of black-and-white, color and microfilm photographic processors. Besides several basic designs, Allen Products has the ability and flexibility to design and build custom processors to meet individual customer requirements. The processors feature demand drive transport systems, 100% stainless steel construction and engineering features that make Allen's processor dependable and easily maintained. Allen has a reputation for customer support.

Address inquiries to: Ronald L. Bailer, Vice-President, Marketing

Allied Film Laboratory Inc., 7375 Woodward Ave., Detroit, MI 48202 (313) 871-2222; 1322 Belmont W., Chicago, IL 60657 (312) 348-0373

Allied Film Laboratory specializes in the duplication of color filmstrips, 16mm color motion pictures and super-8 color motion pictures. Facilities include negative and positive color processing, additive color printing and magnetic sound transfer to super 8mm prints. The firm emphasizes the utilization of the most advanced systems of film duplication, both in equipment and in technique, to produce prints for industrial, educational and religious film producers.

Address inquiries to: the addresses above.

American Broadcasting Companies, Inc., 1330 Ave. of the Americas, New York, NY 10019 (212) LT1-7777

This is one of the leading corporations in the entertainment and communications fields. Its American Broadcasting Company Div. operates one of the country's major television and radio networks, and owns and operates five television stations, six AM radio stations, and six FM radio stations, located in New York, Chicago, Detroit, San Francisco, Los Angeles and Houston. The theater-operating subsidiaries have interest in approximately 270 motion-picture theaters located in 11 states. Other activities include ABC Records, Inc., which is engaged in the phonograph-record business, and Prairie Farmer Publishing Company which is the publisher of leading farm papers, ABC Leisure Magazines, which is the publisher of Hi-Fi Magazine and Modern Photography Magazine. The company also has interests in a number of foreign television stations.

Address inquiries to: Julius Barnathan, at the address above.

American Society of Cinematographers, 1782 N. Orange Drive, Hollywood, CA 90028 (213) 876-5080

The American Society of Cinematographers was established in 1919 as a nonprofit organization to advance the art and science of cinematography and to encourage, foster and strive for preeminence, excellence, artistic perfection and scientific knowledge in all matters pertaining to cinematography, and for the purpose of bringing into the closest confederation those leaders in the cinematographic science whose achievements in that field entitle them to membership in this Society, and for the purpose of maintaining the high standard set for themselves, and to promote the interest of all who shall be called to membership, and that membership in this Society may become a mark of honor and distinction based on merit. Membership consists of Active Members (Directors of Photography), a limited number of Associate Members (those who are engaged in work that is affiliated with cinematography) and Honorary Members.

Address inquiries to: the address above.

Ampex Corp., 401 Broadway, Redwood City, CA 94063 (415) 367-2011

Ampex Audio/Video Systems Div. offers a complete range of videotape recording equipment from helical recorders for industry, education, business, and government use to quadruplex studio video recorders for broadcast and teleproduction use. Included also are portable and back pack videotape recorders; disc recorders for stop-action, slow motion, color animation and teleproduction; color studio cameras; and closed circuit television cameras and accessories. A corresponding complete line of audio tape recorders is also offered from 24-channel frame synchronized production recorders through 16-, 8-, 4-, and 2-channel versions, and monaural and stereo recorders for broadcast and studio applications. The Ampex Magnetic Tape Div. manufactures magnetic tape for broadcast and closed circuit videotape recording, professional and consumer audio recording, and instrumentation recording.

Address inquiries to: Advertising and Sales Promotion Department, M/S 11-12, at the address above.

Howard A. Anderson Co., 5451 Marathon St., Hollywood, CA 90038 (213) 463-0100

Since 1941, this firm has been one of the foremost producers of special photographic effects in the motion-picture and television industries. Facilities are located at Paramount Studios, 5451 Marathon St., Hollywood, CA. This is a service organization equipped with the finest aerial-image optical printers and production insert camera facilities obtainable, and staffed with Hollywood's top creative craftsmen to service the title, optical, insert, matte, animation and trick effects required by the industry's producers.

Address inquiries to: the address above.

Angenieux Corp. of America, Islip Airport, Box 340, Ronkonkoma, N.Y. 11779, Sales: (516) 567-1800, Service: (516) 567-2424, Parts: (516) 567-2424

Angenieux Corporation of America, the sole distributor and factory representative for Angenieux lenses in the Western Hemisphere has established its new sales and expanded service facility near Islip Airport, Long Island, N.Y. Angenieux Corporation of America serves North American motion picture and television industries with the most complete selection of zoom optics, extreme wide angle, very high aperture and close focusing lenses. The new 15 x 10 10-150mm, T2.3 for 16mm cine cameras and the 6 x 20L2, 20-120mm, T3 lenses with high efficiency coatings for 35mm cine cameras were introduced at the 1974 Photokina. The Angenieux broadcast zoom lenses offer complete coverage for studio or remote applications. The broadcast zooms for 1 1/4 in. tube size: 10 x 18J, 18-180mm, f/2.2; 15 x 18E, 18-675mm, f/2-f/7.5 and 18 x 27.5E, 27.51000mm, f/2-f/6, have been redesigned to accept interchangeable mounting plates. Likewise, the broadcast zooms for 1 in. tube size: 10 x 14E, 14-140mm, f/1.6, 15 x 14E, 14-525mm, f/1.6-f/6.0 and 18 x 20.5E, 20.5-740mm, f/1.5-f/4.5 have been similarly redesigned. The Angenieux 10 x 14.5EII extreme wide angle lens (59°) for 1 1/4 in. tubes has been redesigned and reintroduced. This lens accepts four different range extenders. For portable 1 in. format broadcast color cameras, Angenieux presents the 6 x 13D, f/2-f/3 very lightweight zoom with wide angle and close focusing for portable applications and the 10 x 16T, f/2 lightweight zoom with 1.6x and 2.56x range extender capability for trans-

portable (tripod) applications. Angenieux is also represented by Angenieux Service Corp. of California, established to support the service requirements of the West Coast motion picture and television industries. Located at 13381 Beach Ave., Venice, CA (phone (213) 821-5080) it has complete service facilities, including factory test equipment, factory trained technicians and complete parts inventories to cover all Angenieux motion picture and television lenses as does the New York facility.

Address inquiries to: Sales, Bern Levy, Motion Picture Optics Manager, Ken Rice, Broadcast Television Sales Manager; Service East Coast Jeff Giordano, Service Manager, Walt David, Operations Manager; West Coast Joy Wenzlaff, Bob Jagemann, Operations Manager.

Arriflex Co. of America, 25-20 Brooklyn-Queens Expwy (West), Woodside, New York, NY 11377 (212) 932-3403

The Company is the sole U.S. agent for all of the professional motion-picture equipment manufactured by Arnold & Richter, of Munich, W. Germany. The comprehensive line of professional 16 and 35mm motion-picture cameras is currently highlighted by the factory's latest developments: The Arriflex 16SR and the Arriflex 35BL. These cameras are the industry's "last word" in advanced-technology, quiet, lightweight cameras. Other recently developed products include a new series of super speed, fixed focal length f 1.4 lenses for Arriflex 35mm cameras, and special, servo controlled 16SR zoom lenses made by Zeiss and Angenieux. Arriflex Co. of America distributes the factory's entire range of laboratory and editing room equipment, newly developed metal-halogen lighting units, camera dollies, and other film production items. The company is also sole agent for Arrivox-Tandberg 1/4-in. synchronous sound tape recorders and the Sonorex double 16/16 interlock sound projectors.

Address inquiries to: Volker W. Bahnemann, V.P. Marketing, at the address above.

The Association of Cinema and Video Laboratories, Inc., Suite 607, 901 N. Washington St., Alexandria, VA 22314 (703) 548-7502

Founded in 1953, the ACVL provides an opportunity for the discussion and exchange of ideas in connection with the technical, administrative and managerial problems of the motion-picture laboratory industry. The Association is concerned with government relations, public and industry relations, product specifications, improvement of technical practices and procedures, and other interest areas for film laboratories. There are two types of membership: Members, who must be primarily in business as motion-picture film or video transfer laboratories; and Associate Members, who may be any non-laboratory firm with allied interests in the work and objectives of the Association.

Address inquiries to: the address above.

Association of Motion Picture & Television Producers, Inc., 8480 Beverly Blvd., Los Angeles, CA 90048 (213) 653-2200

The Association of Motion Picture and Television Producers, Inc., was organized in 1924 as the Association of Motion Picture Producers, comprising 10 major producers of theatrical motion pictures. In 1964, the Alliance of Television Film Producers, and in 1966, the Society of Independent Producers, merged with AMPP to form the present AMPTP. The AMPTP now has 75 member production companies. Chairman of the Board of AMPTP is Gordon Stulberg; Vice-Chairman is Sid Sheinberg; President is Jack Valenti; and Executive Vice-President is Billy H. Hunt. Hunt is the Association's chief executive and operating officer. The Association functions in the following major areas: it handles contract negotiations and labor relations on behalf of its member companies with more than 40 Hollywood guilds and unions. It serves as the industry's legislative advocate in the California state government, the county and local governments in the Los Angeles area, and with the federal government regarding film production problems. It maintains a public relations department to serve as the public relations agency for the motion-picture production industry and on behalf of its member companies regarding industry-wide activities; and to give public relations support to industry-wide organizations such as the Permanent Charities Committee of the Entertainment Industries, the Motion Picture and Television Fund; and the various health and welfare funds and pension plans. The Association administers the Contract Services Administration Trust Fund which handles the industry experience roster and operates apprenticeship and

training programs, qualification committees, minority employment programs and an industry-wide safety committee. The Association represents its member companies in the area of minority and human relations, and participates in the administration of all industry pension and health and welfare plans. The Association operates the Motion Picture and Television Research Center which instigates and applies technological research to the various technical phases of motion picture production. The Association operates Central Casting Corp. as a wholly-owned subsidiary, providing the industry with the casting of extra players, and data processing services.

Address inquiries to: the address above.

Atlab Film Laboratory Service, Television Centre, Epping, N.S.W., 2121, Australia (02) 85-0224; Telex: AA20250

Film Laboratory: Atlab provides a complete film laboratory service in Eastmancolor and Ektachrome printing and processing in 35mm, 16mm and super 8mm gauges. Equipment includes Hazeltine Electronic Color Film Analyzers, 35mm and 16mm Bell and Howell Model C Additive printers, Oxberry optical effects printers with liquid gates and additive lamp housings, individual processing machines for Eastmancolor negatives and positives plus a 35mm/16mm CRI 1 machine for the processing of Eastmancolor reversal intermediate types 5249 and 7249. *Sound Studios:* Atlab sound studios incorporate a dubbing studio, recording theater and transfer suite, capable of transferring from magnetic or optical track resources across a comprehensive range: 35mm, 16mm, 17.5 and 1/4-in. tape. Post sync dubbing facilities are available. Our specialized equipment includes: 8-track Rock and Roll mixing (with any gauge combinations), fully equipped Magna-Tech 12 channel console with equalization on each channel, 4 channel multi-track master recorder (can do simultaneous M & E, etc.), Rock and Roll voice/effects recording or post sync onto multi track, double head screenings (any gauge combinations and 35mm continuous with changeovers), sound transfers to or from anything, optical sound transfers from 3 or 4 track 35mm magnetics and a sound effects and music library. *Super 8mm:* Atlab has facilities for the printing of super 8mm release prints from a 16mm internegative by reduction using a Hollywood Film Co. super 8 reduction printer. *Technicolor Loading Station:* Atlab is also a licensed Technicolor Loading Station and can load cassettes from Technicolor with either magnetic or optical sound. *Services:* Atlab offers full editing negative matching and other production facilities, including titling and animation requirements. *Video-tape:* Atlab has facilities for dubbing color film onto color videotape from either 35mm/16mm optical sound prints or double head prints and magnetics. Dubs can be made onto either standard 2 in. reels or Sony-U-Matic cassettes. *Color Stills:* Atlab's Color Stills Department has the most up-to-date equipment available. Services include black-&-white and color television slides in both 35mm and 2 1/4 x 2 1/4 in., duplicate slides, transparencies up to 24 x 20 in., all size positive prints and negatives. Atlab is a division of the largest metropolitan television network centre in Australia which includes four live television studios and two film recording studios. All operations are closely controlled by full time engineering staff and regular participation in Eastman Interlaboratory Surveys.

Address inquiries to: the above address.

Atlas Projector Corp., 10407 Washington Blvd., Culver City, CA 90230 (213) 838-1107

This firm manufactures 35mm interlock forward/reverse projectors for automatic or manual control with magnetic and optical solid-state sound and ozone-free xenon or incandescent light source for producers, directors, screening room and home installations. Reel capacity is 3000 ft. for composite film and 2000 ft. for picture and track. Accessories include: remote focus, remote framing and selsyn motors to drive projector from a distributor.

Address inquiries to: the address above.

Bach Auricon, Inc., 6946 Romaine St., Hollywood, CA 90038 (213) 462-0931, 462-2791

The firm has manufactured sound-on-film recording equipment since 1931. Products include the Auricon™ line of 16mm Sound-on-Film Recording Cameras, with associated recording accessories; Datasync Photo-tape™ electronic-optical data-recording equipment; and Auricon TV-T™ Video-Film Recording Equipment. Bach Auricon sound-recording equipment consists of the Modulite™ line of Optical Sound-on-Film Gal-

vanometers for either variable-area or variable-density recording, and the Auricon Filmagnetic™ Recording Systems for single- or multiple-track magnetic recording on prestripped 16mm films.

Address inquiries to: Walter Bach, President; H. Stephens, Customer Technical Service, at the address above.

Ballantyne of Omaha, Inc., 1712 Jackson St., Omaha, NB 68102 (402) 342-4444

Shortly after the advent of sound motion pictures, Ballantyne of Omaha, Inc. was established in 1932 in Omaha, Neb., by R. S. Ballantyne to manufacture soundheads for use in professional 35mm theater projection booths. During World War II its entire output of theater sound systems and speaker systems was purchased by the U.S. Army and Air Force Service. Following the War, in the late 1940's, Ballantyne became a specialist in drive-in theater equipment, furnishing high-wattage amplifiers and sound systems, as well as the in-car speakers. They bought the Gardiner Projector Co., and for a short time continued to market its products. Later, they marketed the BW projector, manufactured by the Wenzel Company. In 1961 the Company was sold to ABC Consolidated of New York which in turn merged with Odgen Corporation in 1967. During this period Ballantyne introduced to the United States the Norelco FP20 35 mm Projector, manufacturing parts of the projector as well as parts of the Norelco AA2 35/70mm projector. In March of 1970, a group of investors, headed by J. R. Hoff who had been with the company since 1945, and E. J. Nelson, who joined the company in 1952, re-purchased the company from Odgen. In February, 1971, the company introduced to the trade the PRO-35, the first new American-manufactured projector in over 25 years. Coincidentally, they introduced a completely new Model 7 Sound System, and both the PRO-35 and Model 7 are now in hundreds of theaters throughout the United States and the world. The complete projector and sound system were specifically designed for use with automation, and Ballantyne now supplies a complete automated equipment package for use by any size theater. In June 1972 Ballantyne introduced the V.I.P. total projection system. Each projector system contains everything needed for sound, light and picture. Plug-in cables make installation a matter of a few hours. Products are distributed through selected theater supply dealers in the United States and Canada and marketed world-wide by selected exporters.

Address inquiries to: Mr. E. J. Nelson, at the address above.

Banks Engineering, Ltd., 1551 Superior Ave., Costa Mesa, CA 92627 (714) 642-5677

Belden Communications, Inc., P. O. Box 92, Radio City Station, New York, NY 10019 (212)889-9432

Belden started doing business out of the need for more sophisticated video and film equipment in the United States. The firm specializes in importing all types of film and video equipment into this country. One of our main products is from Aaton-Beauviala of France, from which the new Aaton 7 camera and Alcan 54 motor for the Eclair NPR comes. We also offer many new types of accessories that are compatible with existing film and video equipment. We have equipment for the super 8, 16mm, and 35mm filmmaker.

Address inquiries to: Michael Sheppard, President, at the above address.

Bell & Howell Co., 7100 McCormick Rd., Chicago, IL 60645 (312) 262-1600

Bell & Howell Company manufactures a variety of products for the photographic equipment markets. Bell & Howell's Professional Equipment Div. designs and manufactures film printing equipment for motion-picture and microfilm laboratories. Equipment includes automatic tape-controlled, additive color printers for super-8, 16mm, 35mm, 35/32mm, and 65/70mm film sizes. Similar units are available as automatic black-and-white printers capable of conversion to color, as well as manually controlled models for color or black-and-white. Additional products include optical step printers, continuous optical-reduction printers, super-8 magnetic sound recording consoles, film slitters, soundheads, densitometers, pH meters, and a full line of accessories for motion-picture film printers. Bell & Howell also manufactures photographic products for the consumer and audiovisual markets. These products include super-8 and 16mm motion-picture cameras and projectors. 35mm slide and filmstrip projectors, overhead projectors, and lenses are also manufactured.

Address inquiries to: Professional Equipment Div., at the address above.

Berkey Colortran, Inc., 1015 Chestnut St., Burbank, CA 91502 (213) 843-1200

Berkey Colortran, Inc., specializes in the engineering, design and manufacture of lighting and lighting systems for motion pictures, television, theater, still photography and specialized photographic applications. The latest state-of-the-art memory-assisted dimming systems were introduced this year for theater and television applications. Berkey Colortran has pioneered in the development of an entire line of lightweight, portable and rugged luminaires. The luminaires utilize long-life, constant color temperature, tungsten-halogen quartz lamps to produce high intensities with low current consumption. Gelatran and the Anti-G Hanger have become accepted standards of the industry. A new product recently added is Supersilk, a diffusion material made of a continuous glass fiber weave that will hold up in front of the hottest lights. A complete line of Fresnel Lens Spotlights (1000 W to 5000 W) is now available featuring rear relamping, ring focusing with a movable lens and unique 3-year warranty sockets. The new Medical Light has been recently introduced which produces safe, cool light. Dimmer Pack, a modular electronic dimmer system, is now available. Supplied in groups of six dimmers, the capacities are 2.4kW, 3.6kW and 6kW per dimmer. Berkey Colortran now also offers rental services for specialized lighting and dimming requirements. Colorsport is an all new, radically designed followspot featuring twice the intensity of existing units. The unique lensless design has a light output exceeding 650,000 beam candlepower. Berkey Beam is an exciting design in ellipsoidal spotlights with zoom lens design and 120° shutter movement. Designer Patterns give the lighting designer the choice of 24 stainless steel patterns which may be used in the Colorsport Berkey Beam or existing ellipsoidal spotlights.

Address inquiries to: the address above.

Birns & Sawyer, Inc., 1026 North Highland Ave., Los Angeles, CA 90038 (213) 466-8211 Telex: 673280

Birns & Sawyer, Inc. manufactures and distributes a complete line of accessories for professional motion-picture equipment. Some of the many products offered are the series of VG100-200-300 tripods, 16mm and 35mm director's finders, TeleZoom Extenders for Eclair and Arriflex, E-Z-SEE Zoom Scales, Cin-Ar adapters, triangles, dollies, and countless other items. The firm's new sales department has available all the major lines of professional motion-picture equipment. Birns & Sawyer's rental department includes the latest 35mm and 16mm production equipment such as the 35BL and the XR-35. Its mobile production division includes grip trucks and 1000-A silent generators. In their used equipment department, this firm has made available to the motion-picture industry much of the used equipment released by the major Hollywood studios over the last number of years. Of special interest is the firm's underwater lighting department which features the SeAQUArT™ 120-V, 1000-W quartz light which can attain depths of 11,000 ft.

Address inquiries to: Marvin Stern, Executive Vice President, at the above address.

Bonded Services, Div. of Novo Corp., 733 Third Ave., New York, NY 10017 (212) 661-7600

Bonded is engaged in the storage of motion-picture film for the theatrical industry and television industry. The company also has complete shipping, inspection and rejuvenation services for distributors of theatrical motion pictures and for syndicators of TV films. Service is also provided to advertising agencies and others for the procurement of prints of TV commercials and for shipping TV commercials and videotape. The firm also provides 8mm cartridge loading services in New York. Offices for television activity are maintained in Los Angeles, Toronto, Amsterdam, Mexico City, and Hong Kong.

Address inquiries to: Ira S. Stevens, at the address above.

Braun Electric Canada Ltd., 3269 American Dr., Mississauga, Ont. L4V 1B9

Braun Electric Canada Ltd., through sole distributorship in Canada, provides "One-Stop Systems Shopping" for motion-picture and television production, with the highest quality equipment available: Arriflex 16mm and 35mm; Nagra audio recording system; Ianiro studio lighting; Multi-Track studio recording system; Synchrotec, the Canadian designed and produced "Flat Table" editing system; and Akai, the amazing ¼-inch videotape recording and instant playback system, both black-and-white and color VTR.

Address inquiries to: Steve Cook, Gordon Nugent at the address above.

Brenner Cine Sound, 5215 Wisconsin Ave., N.W., Washington, DC 20015 (202) 244-3800.

Motion-picture equipment and sound specialists serving the professionals with service, rental and new stock equipment with most major lines including Arriflex, Angenieux, Cinema Products, Colortran, Eclair, Electro-Voice, Magnasync, Moviola, Nagra, Sony, Zeiss — to name only a few. Call for reservation of current models in rental equipment, or for service and repair of major lines of cameras, sound and optical equipment. Design and manufacturing capabilities.

Address inquiries to: C. E. Sorensen, Manager, above address.

The Burbank Studios, 4000 Warner Blvd., Burbank, CA 91522 (213) 843-6000

The Burbank Studios is the Entertainment Industry's first total production center, combining an environment conducive to the creative process with innovative motion picture, video tape and record recording facilities staffed by the industry's most technically skilled personnel. This combination gives TBS the capability of providing every client or artist with each of the elements necessary for him to fully achieve all of his production goals. Our new electronic Video Tape complex was designed after a year and a half of research and utilizes the most modern lighting and scenery hoisting systems ever devised. Also unique are our large, orchestral music recording stage and our smaller, more intimate music recording stage both of which enable an artist to leave his session with a motion picture score on film or a 24-16-8-4-2 or monotope or a combination of any or all of these. Our dubbing facilities set a new high standard in dubbing stages, with 30 reproducers and 2 master recorders, each capable of vibrating synchronously at normal speed, 2 times normal speed or 7 times normal speed. Our complement of sound stages and permanent outdoor sets are among the largest in the world. At TBS every client is treated as a special individual thus enabling him to take full advantage of our outstanding production facilities.

Address inquiries to: The address above.

Byron Motion Pictures, Inc., 65 K Street, N.E., Washington, DC 20002 (202) 783-2700

Founded in 1938. Offers in one location all producer and laboratory services necessary for the completion of motion picture films: complete 35, 16 and 8mm services; 35mm filmstrip and slide service; complete video tape-to-film and video tape-to-tape services; complete editorial services, including editing-room rentals; complete music library; location and studio sound recording; 35mm and 16mm projection facilities; color reversal printing; Ektachrome optical masters; color negative-positive printing and processing; Ektachrome processing; black-and-white printing; black-and-white spray processing. Videotape services include studio, computer editing mixing 2-in. tape high-speed duplicating, ¼-in. cassette duplicates, laser beam tape-to-film and film-to-tape electronic transfers and electronic beam film recorders. 60,000 ft. under one roof for one of the most complete motion-picture and video laboratories in the world.

Address inquiries to: the address above.

Calvin Communications, Inc., 215 West Pershing Rd., Kansas City, MO 64108 (816) 471-7800

The Calvin Company, founded in 1931, with the birth of 16mm industrial films, continues to specialize in 16mm and 8mm activities and facilities. Production facilities include two completely equipped sound stages. A permanent staff of writers, directors and producers is maintained for all types of industrial, educational and commercial productions. Services for other motion-picture producers include the editing department and an art and animation department which is equipped with both Acme and Oxberry animation cameras and stands. The Oxberry is complete with aerial-image projection. The sound department is equipped with RCA and Maurer sound recorders, to record directly or transfer from magnetic materials. The music department maintains a wide range of cleared library music scoring and sound effects. A full line of production equipment (cameras, lights, recorders, accessories, screens, projectors, etc.) is maintained on a rental and sales basis. The laboratory is complete with facilities for printing and processing black-and-white, negative, positive, reversal, Ektachrome, Ektachrome EF, Kodachrome, and color negative and positive materials. The processing department has been processing Kodachrome duplicates since 1950. Color internegative and positive processing are offered in addition to black-and-white facilities. High-speed

automatically controlled printing and processing equipment is used throughout, practically all of it having been designed and constructed by the engineering department. This department was created shortly after the founding of the company when 16mm equipment was almost nonexistent. An equipment sales and rental group maintains a complete range of production and audio-visual equipment for sales and rental. 8mm release printing also available. Printing is by highspeed continuous optical reduction printers of Calvin's own design, for both regular and super 8. Magnetic and super-8 optical sound printing are available. Super-8 optical sound facilities include both recording of sound negatives and release printing. All types of 8mm cartridge loading, packaging, warehousing and print distribution services are available.

Address inquiries to: the address above.

The Camera Mart Inc., 456 W. 55th St., New York, NY 10019 (212) 757-6977

The Camera Mart, Inc., founded by Irving and Sam Browning more than 30 years ago, specializes in sales, rentals and the repair of professional motion-picture and television production equipment. Under the present management of Samuel Hyman, President; Paul Meistrich, Vice-President; and Anna Browning, Secretary-Treasurer, the Camera Mart has expanded all its facilities by making available only the latest motion-picture production equipment in their rental and sales departments. The Camera Mart has expanded into the videotape industry with the same backup personnel and equipment to handle the service and repair, and has also put on the road a Mobile Location Motion Picture Unit. Camera Mart has also expanded into the sound stage rental business and has two stages available for the production of features and television commercials. The firms represented by The Camera Mart include: Akai Ltd., Angenieux, Arriflex, Auricon, Bell & Howell, Bolex, Canon, Cinema Beaulieu, Cinema Products, Berkey-Colortran, Comrex, Dynasciences, Eastman Kodak, Eclair, Elemack Dollies, Frezzolini, Leopold, Magnasync/Moviola, Maier-Hancock, Minnesota Mining & Manufacturing Co., Mitchell Camera Corp. Nagra, National Cine Equipment, Neumade, O'Connor, Sennheiser, Sony, Sylvania and Zeiss. A subsidiary division, Camart-Products, manufactures motion-picture equipment and accessories; editing tables, back racks, film editing bins, core dispensers, triangles and specially designed custom equipment. In 1963 Camera Mart sponsored the first professional motion-picture editing seminar.

Address inquiries to: the above address.

Camera Service Center, Inc., 625 West 54 St., New York, NY 10019 (212) 757-0906

A prime service for motion-picture production and post production equipment for rental, repair and manufacture. Long recognized as suppliers of the finest maintained rental equipment in the world. Exclusive representatives of J. L. Fisher booms, perambulators and camera dollies on the east coast. Camera Sales Center — Sales Affiliate in New York.

Address inquiries to: G. Clapp, at the address above.

Can-Am Photo Equipment & Camera Services Ltd., 1030 St. Alexander, Montreal, Que. H2Z 1P3 (514) 871-1218

Canon, U.S.A., Inc., 10 Nevada Drive, Lake Success, NY 11040, (516) 488-6700; 123 East Paularino Ave., Costa Mesa, CA 92626 (714) 979-6000

Canon, U.S.A., Inc. is a wholly owned subsidiary of Canon, Inc. of Tokyo, Japan. The parent company has been continuously engaged in the development and manufacture of precision optical products since its founding in 1937. Major product lines presently being manufactured to meet the needs of the professional motion picture filmmaker include the Canon Scoopic 16M and Canon Sound Scoopic 200 cameras: each respectively the fastest handling cameras in the world for silent and single-system sound television news coverage, the Canon 12-120mm Macro Zoom Lens; the only professional 16mm zoom optic with the ability to focus to within .04 inch of its own front element, the Canon 14-84mm and the new 13.5-135 Super 16mm zoom lens, the first new lenses to be designed specifically to meet the exacting needs of this film format, and Canon fixed focal length lenses available in 13mm f1.5, 15mm f1.4, 50mm f1.4, 50mm f1.8, 75mm f3.2 and 100mm f2.0.

Address inquiries to: East Coast, New York address; West Coast, Los Angeles address.

Capital Film Laboratories, Inc., 470 E St., S.W., Washington, DC 20024 (202) 347-1717 (Also 1998 N.E. 150 St., North Miami, FL 33161 (305) 949-4252)

Capital Film Lab. N.Y., Inc., 1619 Broadway, New York, NY 10019 (212) 541-4540

Washington is a motion-picture service center for producers of commercial films. The laboratory is equipped to process and print 35mm, 16mm, Super 8mm and regular 8mm black-and-white negative/positive color films; also to duplicate 16mm Kodachrome and Ektachrome. Optical sound recording is available using RCA 35mm, 35/32mm, 16mm and Super 8mm recorders. Magnetic recording on 35mm and 16mm is handled with RCA and Westrex recorders, and on 1/4-in tape with Ampex with sync pulse. Two recording studios are available, one with a ten-position mixing console, and the other with nine positions, for narration recording, lip sync dubbing, rerecording and interlock screening. Location recording services are also available. The laboratory offers editorial services, including music and sound effects from an extensive library, as well as fully equipped editorial rooms for the use of customers on a rental basis. Miami is now a complete, fully equipped motion-picture laboratory, offering 35mm negative-positive color, 16mm negative-positive color, 16mm original Ektachrome processing, 35mm black-and-white reversal; optical department equipped with wet-gate printing, for blowup as well as effects; complete editorial and sound facilities are available under one roof, along with 35mm and 16mm screening rooms. Capital Film Lab. N.Y., Inc. is a subsidiary company of Capital Film Laboratories, Inc. It has been set up primarily as a head-end laboratory, capable of processing 16mm ECO/ME4, printing reversal dailies and answer prints, Internegatives, 35/16mm negative-positive answer and release prints, full 35/16mm screening facility. Completely integrated quality control with Washington and Miami laboratories.

Address inquiries to: Washington, Miami or New York.

Carbons, Inc., 10 Saddle Rd., Cedar Knolls, NJ 07927 (201) 267-8200

Carbons Inc. Has two divisions: the Lorraine Arc Carbon Div. and the Xetron Products Div. Lorraine Arc Carbon Div.: Lorraine Orlux Carbons for motion-picture projection; Lorraine Actina Carbons for graphic arts. Xetron Products Div.: Cinemeccanica 35 and 35/70 motion-picture projectors and sound equipment; Xenon lamphouses, both vertical and horizontal types; IREM xenon power supplies; xenon bulbs—both vertical and horizontal types; complete theater automation equipment; Hortson 16mm projectors and accessories; Fumeo 16mm projectors and accessories; Cinemeccanica film transports; Xetrol auditorium dimmer; Xetron automatic traffic tally; professional electronic power supply equipment including Xenon, Mercury and HMI types.

Address inquiries to: the address above.

Carolina Photo-Technical Services, Inc., 201 West 23rd St., Charlotte, NC 28201 (704) 333-7187; 639 Wellons Village Shopping Center, Durham, NC 27703 (919) 688-7265

Carolina Photo-Tech., Inc., is a professional motion-picture laboratory offering film services in both black-and-white and color. Processing services include all 16mm Ektachrome films and super-8 Ektachrome, 16mm black-and-white reversal. The company's printing department is equipped for reversal printing of workprints, answer prints, and release prints from black-and-white and color originals. Color positive printing is also available. Carolina photo-Tech., Inc. additional services include editing, edge numbering, titling, sound recording, sound transfers, mixing, resolving, music scoring, post flashing, and narration.

Address inquiries to: R. Kent Evans, Manager, 639 Wellons Village Shopping Center, Durham, NC 27703

W. Carsen Co. Ltd., 31 Scarsdale Rd., Don Mills, Ont., Canada. (416) 444-1155

The company was started in 1946 under the name W. Carsen & Co. Ltd. and since has been associated with Charvoz-Carsen Corp. The companies whose products W. Carsen Co. Ltd. distributes on an exclusive basis throughout Canada includes Eumig, Bolex, Olympus, Praktica, Sekonic, Kenco, Kalimar, Acme-Lite, Hoya Filters, Aeroprint, Webway Albums, Krokus Enlargers, Carl Wetziar Optical Equipment, plus a com-

plete range of scientific instruments, drafting supplies and medical instruments in the way of fiberoptic and research microscopes. The company has several divisions: Photographic, Scientific, Optical, and Engineering. The company is proud that the first employee to join the company is a member of senior management and celebrated with the company a recent 25th anniversary. More than one third of the employees have been with the company for ten years or more.

Address inquiries to: The address above.

Carter Equipment Co., Inc., 1050 W. Florence Ave., Inglewood, CA 90301 (213) 677-6117

Carter Equipment Co., Inc. supplies the professional motion-picture laboratory industry, both domestic and international, with new and used laboratory equipment. Offering "state-of-the-art" wet printers and highly sophisticated electronic devices as a part of their manufactured products, Carter Equipment Co., Inc. rounds out their product line by distributing for such well-known companies as Ferrex Corp. (Cinecolor Analyzers), RAMtronics (Photometer and Computerized Tape Punches), Sensing Systems, Inc. (Temperature Control and Monitoring Systems), Ballantyne of Omaha (Projectors), Optical Radiation Corp. (Xenon Light Sources), Herbert Products (Static Eliminator Devices), plus various manufacturers of editorial supplies. Additionally, custom design and modification services, as well as full "turn-key" operations are available.

Address inquiries to: Clay Ogletree, Sales Manager, address above.

Central Film Laboratories (Pvt.) Ltd., 34 Central Ave., Salisbury, Rhodesia.

C.F.L. is a motion-picture film processing laboratory, largely Arri-equipped for 35mm and 16mm color and black-and-white negative and positive developing, contact, reduction and blowup printing, processing and printing of masters and dupes, neg cutting, Gevachrome normal and high-speed processing. Sound recording studios have facilities for mixing 35mm, 16mm, 17½mm and ¼-in magnetic, 35mm and 16mm optical channels. Editing room has 16mm and 35mm Steenbecks. Complete facilities for newsreel finishing. Full optical and animation facilities. We specialize in A&B and checkerboard printing.

Address inquiries to: Theo Otto, Managing Director, at the address above.

Century Projector Corp., 32-02 Queens Blvd., Long Island City, NY 11101 (212) 786-3566

Century manufactures motion-picture projectors, accessories and parts. Projector mechanisms available are: single (Model SA) and double (Model DA) rear shutter with 3000-, 6000- and 8000-ft magazines with motor tensioning and rewind features for standard and drive-in theaters; 70/35mm double rear shutter (Model JJ) with 4- and 6-channel magnetic and optical soundhead; 70/35mm Cinefocus projectors* (Model JJ-3) with film stabilization and UVIR-2 heat and fade control filters; mechanisms designed for integrated assembly; interchangeable components; Cinefocus film stabilizers;* UVIR-2 heat and fade control filters; double-dissolving rear shutters; and single lens concept and aperture changer (flat to anamorphic projection automatically or manually.* Model C (heavy-duty) pedestals are available for regular theaters and for drive-in theater upward tilt, and special or heavy pedestals are made to order. Stereo equipment includes penthouse reproducers and CinemaScope conversion kits for projector mechanisms and soundheads. Soundheads with Hydroflutter suppressors are obtainable in the R4/TR4-Reverse Scanning standard optical reproducers now supplied with reverse scanning and solid-state silicone photoverters. Also available are 70/35mm and 35mm magnetic reproducers for 1, 4 or 6 tracks; and all transistor amplification systems for optical and 1, 4 and 6 channel magnetic soundtracks. Model JRB-117 20 W and model JRE-100 50W all transistor power amplifiers with frequency controls; model 16, Showmaster projection room automatic controls; MSC-2 lower magazine automatic safety controls (solid-state safety stop). Replacement parts are obtainable for all Century projectors. Tools for repairing projector mechanisms, as well as projector oil, are also available. Equipment is exported by Amity International Distributors, Inc., 19 Suffolk St., Freeport, NY 11520

* Patented

Address inquiries to: the address above.

Cine & Photo Supply Co., P.O. Box 393, Khartoum, Sudan, Africa

This firm and its associates, *Photokina*, are engaged in the distribution of audio and visual equipment. It is the first and only firm in the Sudan dealing in professional motion-picture equipment and stereophonic high-fidelity sound equipment, having pioneered the existing motion-picture industry in the Sudan. Almost all of the professional motion-picture equipment presently in use was supplied by this firm, which is the sole supplier of such equipment to all the Government Ministries and Departments throughout the Sudan. The first professional motion-picture produced in the Sudan was made with the film and equipment supplied by this company. The company is the exclusive Sudan distributors for the following: Arriflex, Rank, Bach-Auricon, Simplex, Bell & Howell, Paulmar, Houston-Fearless, Nagra, Technicolor, Castle (United World Films), Columbia, United Artists, Kliegl, Linhof, Polaroid, Canon, Mamiya, Asahi-Pentax, Olympus, Minolta, Yashica, Elmo, Ricoh, Zenith, Braun, Admiral, G.E., Fuji Film, Akai, Fisher, Electro-Voice, Pioneer, Ortofon, Shure, Thorens, Honeywell, Sawyers, GAF, Silma, Da-Lite, Mallory, Westrex, Acmade, Uher, Ianiro, Seiko, Rolleiflex, Eumig, Sonnenschein, Dynacord, Durst, Dual, Sony, Hitachi, Ampex, Bolex, EMT, Kindermann Bulova, Citizen, S. T. DuPont, Bigston, Silver, Uni-Pex, Samsonite and Wilson. The firm maintains factory-trained technicians and engineers for the repair and service of projectors and other motion-picture equipment. In addition to pioneering the country's motion-picture industry, the company is engaged also in the production and distribution of motion-picture films. The firm was the first SMPTE Sustaining Member in Africa.

Address inquiries to: the address above.

Cineffects Color Laboratory, Inc., 115 West 45 St., New York, NY 10036 (212) 575-5151 or (212) 575-5880

Cineffects Color Laboratory, located in midtown New York, has been in business for the past 6 years. In this time, it has grown into one of the major motion-pictures laboratories in New York City. This laboratory is strictly a color motion picture laboratory, and able to handle all phases of color printing and processing in both 16mm and 35mm formats. Internal facilities include the processing of both 16mm and 35mm original camera negatives as well as color reversal intermediate, plus the ME-4 process. In addition, Cineffects Color Laboratory has a complete in-house facility for film strips and slides, able to handle the complete job from initial photography to final packaging. Other related services that this laboratory offers are sound recording, optical work, matching and editing. The Laboratory currently employs more than 100 people.

Address inquiries to: Sales Department, at the above address.

Cinema Processors, Inc., 211 E. Grand Ave., Chicago, IL 60611 (312) 642-6453

Cinema Processors, Inc., offers complete 16mm and super-8 black-and-white and color processing, printing and associated services for television, educational and industrial usage. A separate department offers complete videotape-to-film transfers, film-to-videotape and allied videotape services. The firm maintains an experienced staff organized particularly for guaranteed quality and schedules.

Address inquiries to: Morris Bleckman, at the address above.

Cinema Products Corp., 2037 Granville Ave., Los Angeles, CA 90025 (213) 478-0711

Cinema Products Corp., applies advanced technological concepts in design, development and manufacture of professional motion-picture equipment to create versatile production systems. The Academy Award winning SPR conversion of BNC and NC cameras evolved to include recently manufactured Mark II and Arri IIC "Hard Fronts" allowing these cameras to also accept BNCr mounted lenses. Crystal control motors for BNC/NC and Mark II/S35R cameras; Model CRA-6 and 6/A Crystal Motor; and Model AFB-1 geared Flat Base for Arri IIC cameras; the "Crystalok" crystal unit for the 16BL; and a crystal control module for Nagra recorders all ensure synchronous sight and sound. Batteries, chargers, and other professional accessories are available. Other products are: the lightweight, compact, silent XR35 studio 35mm motion picture camera; the 150XR fluid-head tripod manufactured exclusively for Cinema Products by O'Connor Engineering; and the Academy-Award winning J-4 "Joy Stick" Zoom Control with both film and video applications. TV-News Documentary film systems evolved from CP-16 and CP-16/A Sound Cameras and now include the recently introduced CP-16R and

CP-16R/A Reflexed Sound Cameras (with optional automatic exposure control) which incorporate as integral camera components the Crystasound Amplifier; the 3XL Magnetic Record/Playback Head; the NC-4 Nicad Battery Pack and (as top mounted accessories) the RDS focusing news light and either RE-50 or shotgun microphones for a totally portable "solo" outfit . . . an innovation in 16mm filming the Crystasound Auxiliary Mixer; Shoulder Pod; PLC-4 Lexan: 400 ft magazine; CPT-24 Fluid Head Tripod; J-5 zoom control and bracketry, and a wide range of additional professional accessories are also available. Diversified product mix also includes the Aero-Kit lightweight location-type quartz lighting kit featuring two focusing spots and one focusing broad, each capable of 30-V operation; scrims, cables, stands and other lighting accessories; and lenses from manufacturers such as Angenieux; Bausch and Lomb; Canon; Kowa and Zeiss. Cinema Products is the exclusive U.S. distributor of all Canon 35mm professional lenses including the K-35 25-120mm macro zoom lens and super-fast aspheric lenses.

Address inquiries to: Ed DiGiulio, President; Peter Waldeck, V.P. (CPD Int.); Abbott Sydney, National Sales Manager; Ed Clare, Field Service Support Manager.

Cinemobile, 8560 Sunset Blvd., Hollywood, CA 90069 (213) 764-9900

The NEW number for complete location filming services from Cinemobile, Cinemobile Video Systems and Cine Sales and Services is 213/764-9900. Cinemobile has 20 fully equipped location filming vans, containing the industry's most advanced range of camera, lighting, sound and grip equipment. Vehicles are available to service everything from TV commercials to major motion picture locations. Cine Sales and Services provides sale and rental of the industry's most advanced cameras, sound and grip equipment. Complete selections of gels, globes, tapes and general production supplies are also available. Cinemobile Video Systems presents tomorrow's location taping van today. A joint venture with CFI, this vehicle rolls to a location equipped with twin RCA color recorders and Fernseh cameras, inboard generator, hydraulic camera platform and the famous Cinemobile air-suspension system.

Address inquiries to: The address above.

Cinequip Motion Picture Studio Camera and Equipment Rentals, 41 Scollard St., Toronto, Ont. Canada M5R 1G1 (416) 920-5424

Cinequip was established in 1967, under the direction of Donald F. Hall, and quickly gained a reputation for reliable equipment and fast courteous service. Our facilities include two sound stages, - 100 X 70 ft and 38 X 48 ft with hard wall cyc, full lighting & dimmer boards. Our film cameras include the new Mitchell 205 R, Arri 16 and 35mm, Bolex, Helicopter Mounts, O'Connor, Worrall and Moy heads. We also have full video tape facilities in the complex. Dealers for Tiffen Optical, O'Connor Engineering, Jensen, Cinema Products, and Swintex Wireless Microphone Systems.

Address inquiries to: the above address

Alex L. Clark Ltd., 3751 Bloor St. W., Islington M9A 1A2 Ont. Canada (416) 231-5691

The firm specializes in professional motion-picture products. It is the exclusive Canadian representative of Angenieux, Bach Auricon, Cibr Guillotine Splicers, Century Precision Cine/Optics, Eclair Cameras, CP-16 Cameras, Frezzolini Electronics, Inc., Goldberg Reels & Cans, Maier-Hancock Hot Splicers, Magnasync/Moviola, Mole-Richardson, National Cine, Palmer Projectors, Photo Research Corp., Stellavox Recorders and Mixers and many others. Branch offices are located at 7104 Hunterwood Rd. N.W., Calgary, Alta., and at 1070 Bleury St., Montreal 128, Que. Canada.

Address inquiries to: Gerry Quinney, Vice-President, at the address above.

Geo. W. Colburn Laboratory, Inc., 164 N. Wacker Dr., Chicago, IL 60606 (312) 332-6286

The Geo. W. Colburn Laboratory offers professional laboratory services to industrial and educational film producers. Printing and processing ser-

vices include 16mm contact, super-8 contact, regular 8mm contact, super-8 and regular 8mm reduction from 16mm, 16mm enlargement from super-8 and regular 8mm, super-8 enlargement from regular 8mm, regular 8mm reduction from super-8, and special optical masters. Producer services include 16mm film editing, narration recording, music library, magnetic sound transfer to optical tracks, and preparation of 16mm titles. Other services include slide duplication, filmstrip animation, and filmstrip printing. New super-8 services include super-8 contact printing from super-8 A&B rolls with fades, dissolves, and density corrections and preparation of super-8 titles.

Address inquiries to: Allen F. Hilliard or George Halonen, at the address above.

Colorfilm Pty Ltd., 35 Missenden Rd., Camperdown, NSW 2050 Australia 516 1066 Telex: Color AA 24545

Laboratory facilities for feature and other production. Release printing, television news and commercials, industrials, etc. Hazeltine color grading 35mm and 16mm Eastman color and black-and-white, 16mm Ektachrome, and black-and-white reversal, complete sound transfer service. Oxberry optical printing with aerial image and wet gate, negative matching and editing facilities, customs bond import/export service.

Address inquiries to: The Manager, at the address above.

Color Reproduction Co., 7936 Santa Monica Blvd., Hollywood, CA 90046 (213) 654-8010

Color Reproduction Co., in operation since 1939, is a 16mm motion-picture laboratory specializing in high-quality 16mm color prints offering complete 16mm printing, additive model "C" printers. Complete color-corrective printing on originals and internegatives. Internegative and color-positive processing. Special services include electroprinting, electronic culling, no notching of originals, ultrasonic cleaning, yellow edge numbering, laminating, permafilm and Tuff coating treatment, print through footage numbers available for A-V films. Editing rooms or suites available.

Address inquiries to: Wm. (Fitz) Fitzpatrick, at the above address.

CBS, Inc., 51 W. 52 St., New York, NY 10019 (212) 765-4321

CBS, Inc. through its divisions, is active in a number of areas within the range of SMPTE cognizance. The CBS Television Network and CBS Television Stations Divisions are concerned with all phases of live video tape and film preparation and utilization in broadcasting service. The CBS News Division is concerned with special film and tape applications in the field of "Electronic Journalism." CBS Laboratories conducts research and development projects in the field of communications technology.

Address inquires to: Joseph A. Flaherty, General Manager, Engineering and Development, at the address above.

Conrac Corp., Conrac Div., 600 North Rimsdale Ave., Covina, CA 91722 (213) 966-3511

Conrac is leading manufacturer of professional and industrial video monitors. Beginning in the infancy of widespread commercial television in the United States, Conrac has pioneered many technical developments in video displays. Conrac currently supplies both color and monochrome units for broadcast, educational and closed circuit television applications internationally, as well as for computer data display applications.

Address inquiries to: the address above.

Consolidated Film Industries, 959 Seward St., Hollywood, CA 90038 (213) HO 2-3161

Consolidated Film Industries, division of Republic Corp., a motion-picture processing laboratory for over half a century, is now a complete post-production facility offering all 35mm and 16mm laboratory services; production and release printing of 35mm, 16mm, and super-8mm Eastman color or black-and-white; 16mm Ektachrome commercial and high-speed Ektachrome film processing; 16mm black-and-white reversal processing and printing; Kodachrome printing; super 16mm processing. Other services include *Title & Optical Work*, including main and credit titles; art-

work, optical effects; animation photography and filming of inserts; *Filmstrips*, including creation of filmstrips from any size transparencies, photographs, or artwork; addition of numbered frames, arrows, circles, or other special marks in frame and filmstrip release printing, slides and slide duplicating; *Complete Videotape Services*, including videotape-to-film transfers, film-to-videotape transfers; videotape duplicating to any size required; videotape mixing and transfers from film or videotape material (any size) to cassettes; distribution service; and *Sound Services*, (Glen Glenn Sound Co.), including rental of production sound equipment and/or personnel, transfers of daily material, dubbing and scoring facilities; optical soundtracks and rerecording.

Address inquiries to: Consolidated Film Industries, Business Affairs and Sales, at Hollywood address above.

DeLuxe General Inc., 1546 N. Argyle Ave., Hollywood, CA 90028 (213) 462-6171; 1377 N. Serrano Ave., Hollywood, CA 90027 (213) 466-8631; 2433 Delta Lane, Elk Grove Village, IL 60007 (312) 569-2250; 630 9th Ave. New York, NY 10036 (212) 247-3220

DeLuxe General processes all types and widths of motion-picture film for feature and television release, television commercials, and all areas of the broad nontheatrical field. Laboratory services include printing and processing of 70mm, 35mm, 16mm and 8mm Eastmancolor, Ektachrome and Kodachrome; reduction printing from 35mm to 16mm, 16mm to 8mm and blowup printing from 16mm to 35mm and 35mm to 70mm. Large volume 16mm release printing is done by DeLuxe General's exclusive 35/32mm method. DeLuxe General also offers video tape to film transfers and film strip release printing.

Address inquiries to: Sales Manager, 1546 N. Argyle Ave., Hollywood, CA 90028; 2433 Delta Lane, Elk Grove Village, IL 60007; 630 Ninth Ave., New York, NY 10036

Walt Disney Productions, 500 S. Buena Vista St., Burbank, CA 91521 (213) 845-3141

The firm is a broadly diversified company originally formed in 1923 when Walt and Roy Disney started a partnership to make cartoon movies. It produces films for theatrical release and for its television series, *The Wonderful World of Disney*. The firm also operates Walt Disney World, a vacation resort near Orlando, Fla., and Disneyland, an amusement theme park in Anaheim, Calif. It handles domestic distribution of all its pictures through its wholly-owned Buena Vista Distribution Co. Through its architectural and engineering wing, WED Enterprises, the organization creates, designs and manufactures its new amusement attractions. The company also owns and operates the Celebrity Sports Center in Denver. Other activities include the licensing of Walt Disney characters for merchandising purposes, 16mm film distribution and the production of phonograph records. The studio area occupies a 51-acre site and consists of some 53 separate structures. Among these are the Animation, Inking and Painting, Camera and Cutting Buildings and the Process Laboratory. There are four live-action sound stages, three recording stages for orchestra, sound effects and dialogue, an ultra-modern theater and restaurant complex. A permanent staff of about 18,000 is maintained for all branches of the company and during the peak seasons at Disneyland and Walt Disney World the staff increases to some 20,000.

Address inquiries to: the address above.

Dolby Laboratories Inc., 1133 Avenue of the Americas, New York, NY 10036 (212) 489-6652

Dolby Laboratories manufactures products incorporating their professional A-Type noise reduction system and professional versions of the B-Type system which is also built into consumer audio equipment under license. A-Type noise reduction equipment is used in the music recording industry, in broadcasting (where B-Type encoding of FM transmissions also takes place) and in the motion-picture industry, where it is used for recording, dubbing and (in combination with the E2 Equalizer or built into the CP100 Cinema Replay Unit) for the reproduction of Dolby mono and stereo optical and magnetic sound tracks.

Address inquiries to: (US) Morley Kahn, V.P., Manager U.S. Operations, Dolby Laboratories Inc., 1133 Ave. of the Americas, New York, NY 10036 (Tel. 212-489-6652); (Rest of world) Joan Allen, Marketing Manager, Dolby Laboratories International Inc., 346 Clapham Rd., London SW9, England. (Tel. 01-720-1111)

Du Art Film Laboratories, Inc., and Du Art Color Corp., 245 W. 55 St., New York, NY 10019 (212) PL7-4580

The Du Art Film Laboratories was founded in 1922. Its subsidiary, Du Art Color Corp., was founded in 1950 for the processing of Eastman color film. The company offers complete black-and-white facilities, including 35mm and 16mm negative developing and release printing and magnetic-to-optical sound printing. 35mm and 16mm black-and-white reversal prints on Eastman 7360 and 5360 available. Color capabilities include developing 35mm and 16mm color negatives, both 7254 and 7247 and 5254 and 5247 types. Processing all types of 16mm Ektachrome original and prints; processing original 16mm Gevachrome camera films types 6.00 and 6.05 and Gevachrome 9.02 prints; printing and processing Eastman color reversal intermediate types 7249 and 5249; 35mm and 16mm negative/positive color printing; blowups; 35mm and 16mm internegatives. Color slide film processing; Ektachrome, Gevachrome and Kodachrome scene-to-scene color balanced printing; and reduction color printing. Du Art Sound Studios: Mix facilities for 16mm picture, 16 or 35mm tracks, six dubbers, eight input mix console, mixing onto 3-track 35mm full coat. Complete interlock for pickup recording. Acoustically isolated recording booth for narration recording or post dubbing. Sound transfers to 16mm and 35mm optical or magnetic track, and 1/4-in tape. Complete playback facilities include 16mm center track (European) mag. and 50 Hz (European) 1/4-in sync tapes to 24 or 25 frames/s mag.

Address inquiries to: Irwin W. Young, Chairman of the Board; Paul A. Kaufman, President; Robert M. Smith, Executive Vice President and Sales; Don Donigi, Vice President, Lab Operations; and Paul Jaeger, Director, Sound Department, at the address above.

Victor Duncan, Inc., 11043 Gratiot, Detroit, MI 48213 (313) 371-4920; 676 N. St. Clair, Chicago, IL 60611 (312) 321-9406; 2659 Fondren, Dallas TX 75206 (214) 369-1165

The firm is a completely equipped rental, sales and service company, specializing in professional motion-picture cameras and accessories, operating repair and maintenance facilities for all professional cameras in Chicago, Detroit and Dallas. It markets a variety of accessory equipment for cameras, including supports and cradles for zoom lenses, a unique handgrip for the Eclair NPR camera and 12-V heater barneys for the popular 35mm and 16mm location cameras. Extensive rental inventories include all popular 35mm and 16mm production and news cameras. These include the CP-16, the Canon Scoopic, the PhotoSonic high-speed cameras, the XR-35 Mitchell SPR/BNC, the Arriflex 35 B1 and all popular professional gear. Editing and lighting equipment is available for rental in all offices. All popular motion-picture equipment both new and used is available for sales through all offices. The Used Equipment Newsletter, published bi-monthly, and the current Victor Duncan rental catalog are available upon request. Specialty brochures on the Victor Duncan Cine-Cruiser and the Continental Helicopter mount are also available.

Address inquiries to: Norman L. Bleicher, Customer Relations Dept., at the Dallas address above.

Eastman Kodak Co., 343 State St., Rochester, NY 14650 (716) 325-2000

Eastman Kodak Company's main offices, plants and research laboratories are located in Rochester, N.Y. Founded in 1880 and known throughout the world as one of the great pioneers in the field of photography, the company's sales total for 1974 was \$4.58 billion. Besides the headquarters in Rochester, regional centers and subsidiaries are maintained at various locations throughout the United States and in many other countries. At the end of 1974 Eastman Kodak reported a worldwide employment total of 124,100 with employment in the United States at 76,300. During the year, a number of new products were introduced, including Kodak Moviedeck projectors for amateur photographers. Other categories of Kodak products include: (a) films, chemicals and equipment for the motion-picture and television industries; products for non-theatrical and informational film-makers in education, business and industry; (b) commercial and professional photographic products such as films, papers, sensitized plates, processing chemicals and equipment for graphic arts; photofinishing; microrecording and information handling; medical, dental, and industrial radiography; science, instrumentation and defense; (c) amateur photographic products such as films, cameras, projectors and photographic accessories for still pictures and home

movies; color print and processing chemicals used in home darkrooms; (d) fibers, plastics, and industrial chemicals such as man-made fibers for apparel and home furnishings; cigarette filter material; plastics for a wide range of items, for decorative sheeting, for packaging and wrapping; dyes, plasticizers, acids and other industrial chemicals; and special products such as vitamin concentrates; distilled monoglycerides; organic chemicals; and work for the government.

Address inquiries to: Motion Picture and Audiovisual Markets Div.

Eclair Corp. of America, Eastern Office: 62 W. 45th St., New York, NY 10036 (212) 869-0490; **Western Office:** 7262 Melrose Ave., Los Angeles, CA 90046 (213) 933-7182

Manufacturers and distributors of professional 16 and 35mm cameras and accessories. Cameras include the lightweight, low-profile ACL and NPR silent blimpless reflexes, available in standard and super-16mm formats, with 400-ft capacity quick-change magazines (ACL has 200-ft and 400-ft). Accessories include a wide variety of zoom and fixed focal-length lenses, sync motors, rechargeable battery packs, carrying handles, cases, etc.

Address inquiries to: Eric D. Falkenberg, Executive Vice-President.

Electro Sound, Inc. (A subsidiary of Viewlex, Inc.), 725 Kifer Road, Sunnyvale, CA 94086 (408) 245-6600

Electro Sound manufactures a complete line of high-quality sound equipment for theaters and studios, film transports and film duplicating systems, and high-speed magnetic tape duplicating systems. On April 15, 1971, their Series 8000 Theatre Sound Systems won an Academy Award for professional excellence from the Academy of Motion Picture Arts and Sciences. Electro Sound film transports, employed as sound dummies, master recorders, and high-speed film duplicators, were designed to handle 70mm films; other versions — 16mm, 35mm, or convertible between both 70 and 35mm — were then assembled on the same basic structure to provide sturdy and precise equipment. When used as film duplicators, magnetic soundtracks can be simultaneously duplicated on as many as five release or work prints at four times the normal film speed. These transports are unsurpassed as master recorders, because of extremely low flutter and absolute timing accuracy. A complete array of magnetic tape duplicating equipment provides every item needed for a fully operating duplicating facility.

Address inquiries to: Customer Service, at the address above.

Elmo Co., Ltd., No. 6, 1-chome, Kamiho-dori, Mizuho-ku, Nagoya, Japan

The company is the oldest Japanese manufacturer of motion-picture equipment, founded in 1921 by the President, Hidenobu Sakaki. Elmo has developed and produced 8mm cameras, 8mm projectors and 16mm projectors of unique and original design. In addition to these products, current production includes slide projectors, overhead projectors, motion-picture equipment for TV stations, editing and splicing equipment and educational audiovisual equipment. Besides the general office and factory located in Nagoya, Elmo has sixteen branch offices in major cities of Japan, three subsidiaries, Elmo Mfg. Corp. in New York, U.S.A., Arrow Photographic Equipment Ltd. in Toronto, Canada and Elmo (Europe) GmbH in Dusseldorf, West Germany, and one foreign branch office in Singapore. The products are distributed in more than seventy countries under the brand name Elmo.

Address inquiries to: the address above.

F&B/Ceco, Inc., a division of F&B/Ceco Industries, Inc., 315 W. 43rd St., New York, NY 10036 (212) 586-1420

F&B/Ceco has been supplying the professional motion-picture and television industry for almost 40 years. It has been able to maintain its leadership by consistently making available for rental and sale, the latest equipment to be had, and by backing that up with the finest service and repair shops in the country. They encourage TV stations, corporations and individual owners to take advantage of their highly trained service techni-

cians by utilizing their thorough preventive maintenance and repair programs. F&B/Ceco has consistently pioneered, developed and manufactured new products for the professional market. Some of the latest developments include an all new magnesium Pro Jr. Fluid Head Tripod with tilt tension adjustment, ball level tripod adapters for flat base tripod heads, 8" and 10" suction cut "power grips" with tilt adjustments, a sensitive low light level video-pickup camera for its pellicle BNC reflex's, super speed lenses in BNC reflex mounts (28mm T1.8, 35mm T1.3, 55mm T1.1, 85mm T1.7), hard front Arriflex 35 conversions with convertible BNC or Arriflex lens mounts and hard front Arriflex follow focus units. In other areas there is a new solid-state Intercinema sound reader, a Tungsten-Halogen portable 35mm Tokiwa projector, a double band interlock module for the portable 35mm Tokiwa projector, a new "Flex" cue head fishpole and the compact audio wireless microphone. F&B/Ceco has had a fleet of Cecomobiles working on feature films and TV specials for a number of years. A new version of this efficient fitted compartment vehicle is now available. The new mobile unit is designed to house camera, lighting, grip, dollies and sound equipment like its big brother, but also contains a silenced fully automatic 300-A dc generator, motorized cable reel and an empty aisle down the middle of the body that can hold hampers, props or lumber. The new Cecomobile is tailored for the TV commercial, documentary and low budget feature film production crew. F&B/Ceco, Inc. offers a wide variety of equipment in its rental departments. The following is representative of the type of equipment available: 8mm, 16mm and 35mm motion picture cameras, high-speed and stop-motion cameras, underwater cameras, lenses, filters, exposure meters, tripods, helicopter mounts and power grips. Portable location and studio lighting of quartz, incandescent and ARC types, cable, power distribution systems, electronic and resistance dimmers, generators from 25 to 1500 A, grip equipment, large silks, nets and backdrops, 12-ft butterflies, dollies, special effects, wind and fog machines. Nagra full track, stereo and SN recorders, condenser and wireless microphones, mixers, fishpoles fisher booms, amplifiers and speakers. 16mm and 35mm Xenon, quartz and incandescent projectors, 16 mm and 35 mm Interlock projectors, front and rear projection screens anamorphic lenses. Moviola editing machines, viewers, splicers, rewinds, sound readers and synchronizers, and editing tables. Color and black-and white television cameras monitors, 1/2" and 3/4" reel-to-reel and cassette recorders. F&B/Ceco has its new 1975 rental catalog available free. SOS Photo-Cine-Optics, the sales division of F&B/Ceco has recently been appointed one of the few dealers for the new Kodak VP-1 super 8 film to video player and is currently delivering units. SOS is a dealer for most professional products and has available a 312 page catalog containing over 10,000 items. The catalog is available free if you write in on your letterhead.

Address inquiries to: the address above.

F&B/Ceco of California, a division of F&B/Ceco Industries 7051 Santa Monica Blvd., Hollywood, CA 90038 (213) 466-9361

F&B/Ceco of California offers the same services and rental equipment as F&B/Ceco, Inc., in New York City plus the F&B/Ceco Editing Center on North Highland Ave. The Editing Center has 25 completely equipped, air-conditioned cutting rooms, a large modern screening room, production offices and a 40- X 60-ft stage. The Cecomobile building also has production offices and conference rooms available for rental.

Address inquiries to: the address above.

Fairchild Industrial Products, 75 Mall Drive, Commack, L.I., NY 11725 (516) 864-8500, West Coast Office: 5921 E. Shiela St., Los Angeles, Calif. 90022 (213) 723-9601, Midwest Office: 9950 W. Lawrence, Schiller Park, IL 60176 (312) 671-3633

Fairchild Industrial Products, a division of Fairchild Camera and Instrument Corp., is a leading designer and manufacturer of equipment for the audio-visual and aircraft industries. Their Seventy Series line of rear-screen 8mm film projectors are keyed to magnetic sound super 8mm film with a plus-18 image-to-sound separation. This format is in accordance with ANSI standards and has been given world-wide recognition. Most recent product innovation is a unique synchronized audio-film-strip device utilizing the new 110 film format. The firm is also a leading producer of airborne recording and reproducer systems. Magnetic head and pick-up devices for scanning magnetic information on striped film or

other materials is manufactured and sold through their subsidiary, World Magnetics, with facilities in Traverse City, Mich.

Address inquiries to: Commack, New York.

Far East Laboratories, Ltd., 14-1, Higashigotanda 2-Chome, Shinagawa-ku, Tokyo 141, Japan. Telephone (03) 445-1681

Established in 1935, this firm is aiming at integrated image industry and offers, with their high professional standards and most advanced equipments, complete laboratory services for 35mm, 16mm and 8mm color as well as black-and-white including processing of reversal films (excluding 35mm). Specialized departments include 35mm and 16mm contact and wet reduction printing, dupes, masters and CRI, optical effects and special composite cinematography, complete sound recording department with all transferring facilities, and 35mm, 16mm and 8mm magnetic striping. Video center offers complete post production facilities for any size required, videotape duplicating services of any size including cassettes, transfer from tape to film or film to tape, computerized electronic animation by "Scanimate," and sound editing by multi audio VTR. Photo-finishing department is characterized as the authorized processing laboratory of Kodachrome and includes complete photo-finishing for amateur photographer, such as processing of Ektachrome and Kodacolor films, prints on Ektacolor/Ektachrome paper, and duplicating from Kodachrome or Ektachrome movies and transparencies. Plants: Tokyo, Yokohama, Osaka and Kyoto. Affiliated firms of photofinishing services are scattered all over Japan.

Address inquiries to: the address above.

Filmline Corp., 43 Erna St., Milford, CT 06460 (203) 878-2433

The firm designs and manufactures a complete line of color and black-and-white continuous film processors. The wide variety of processing equipment ranging from a portable table-top processor to complete professional laboratory facilities is backed by over 25 years experience, highly-specialized manufacturing equipment, and practical in-depth engineering that has led to its reputation as the world's foremost manufacturer of quality engineered, continuous, commercial film processors. The equipment line includes machines for the processing of all commercial film formats from super 8 through 16mm and 35mm to 65-70mm at speeds of 6 to 600 ft/min. Similarly the line includes machines for virtually every commercial negative/positive and reversal color and black-and-white film process, i.e. Eastman Color Negative Types I & II, Eastman, Agfa-Gevaert and Fuji Color Positives, Ansco Color, Kodachrome, Ektachrome, Anscochrome, B-&W reversal, etc. Especially featured is the exclusive, patented Filmline Micro-Demand Drive which can now be retro-fitted in existing machines for those wishing to update their equipment. Machines are also available for microfilm processing and for the photofinishing market. Accessory items available include wiper blade, high- and low-pressure blow-off and Micro-Adjust vacuum film squeegee, sound track applicators, stainless steel and titanium Temp-Guard heat exchangers, precision film transport rollers, Filmline "feather-touch" silicone elastomer roller tires and portable solution mix tanks. Custom design, engineering and manufacturing services are also available on a consultant basis.

Address inquiries to: the address above.

Frezzolini Electronics Inc., 7 Valley Street, Hawthorne, NJ 07506 (201) 427-1160

This company is devoted principally to the manufacture of TV news-gathering cameras, both cine motion picture and TV electronic and associated equipment. Its plant and offices are located in Hawthorne, N.J., 25 minutes from New York City. Three models of its patented "Frezzi-Cordless"® professional 16mm sound-on-film cine motion picture cameras are manufactured there. The cameras include Model LW-16, a new concept in slant-back camera design which weighs only 14 lb (6.35 kg.) "ready-to-roll," Model MS-571-DC, and Model MC-571-AC. In addition the company "re-manufactures" existing Auricon conversions, Frezzolini conversions and similar-type conversions into the latest "Frezzi-Cordless"® format. All "Frezzi-Cordless"® cine motion-picture cameras, newly-manufactured as well as re-manufactured, include genuine Bach Auricon Movements. Complete camera service facilities are available at its plant.

Other products manufactured include: "Frezzi"™ portable hand-held camera lights, lightweight portable camera power packs, miniaturized sound-on-film recording audio amplifiers that mount on the side of its cameras, plus other associated products. The company distributes the cine motion-picture cameras with a complete line of Angenieux zoom lenses and viewfinders. A new division of the company is involved with TV electronic cameras and is now in production on its Model B-10-S and Model HL-33 Lightweight Portable Batteries which are used to power several models of hand-held electronic cameras used for "live" TV news coverage. The company performs ongoing concept, design and development projects, including a reflex cine motion picture camera and a solid-state TV electronic camera, through its subsidiary, General Research Laboratories. The subsidiary was founded by Jim Frezzolini in 1947. Patents and trademarks in the U.S.A. and foreign countries.

Address inquiries to: Jim Crawford, Vice-President Engineering, at the address and/or phone number above.

Fuji Photo Film U.S.A., Inc., 350 Fifth Ave., New York, NY 10001 (212) LW4-1786

Fuji Photo Film U.S.A., Inc., is a wholly owned subsidiary of Fuji Photo Film Co. Ltd., Japan's largest manufacturer of photographic products. Fuji Photo Film U.S.A., Inc., was established for the sale and distribution of Fuji's photographic products in the U.S. Fuji's products range from motion-picture films and optical instruments to office appliances. They include films for general use, videotape, x-ray films, graphic arts films, dry plates and photographic papers; optical lenses, cameras, enlargers, projectors and binoculars; microfilm cameras and readers, office copiers. Elias J. Drexler manages the exclusive sale and distribution of its full line of professional motion-picture products in the U.S. The products include black-and-white and fully compatible color motion-picture films for use in the motion-picture and television industry. Mr. Drexler is assisted by a professional staff of competent technicians.

Address inquiries to: the address above.

General Electric Co., Lamp Business Div., Nela Park, Cleveland, OH 44112 (216) 266-2121

General Electric Co. was formed in 1892 to carry on the business of the pioneers in the development of electric lighting. Today, the Lamp Business Div. manufactures several thousand types of light sources, including a complete line of lamps for motion-picture and television applications, studios, laboratories, projection, sound reproductions, etc. The company's research programs have resulted in the development of many special types of lamps to meet the growing requirements of these industries, including the original invention of Quartzline® tungsten-halogen lamps. The company has lighting application engineers in major cities who are available to assist in solving unusual lighting problems. A large number of specialists are engaged in lighting research and development activities at Nela Park, headquarters of the Lamp Business Div.

Address inquiries to: C. N. Clark, Lamp Marketing Dept., at the address above, or contact local offices of the GE Lamp Sales Dept.

Getty Film Laboratories, Inc., 7641 Densmore Ave., Van Nuys, CA 91406 (213) 997-7801

Getty Film Labs, Inc., a wholly-owned subsidiary of Getty Industries Inc., is a full service laboratory offering the discriminating producer professional-quality product in 35mm, 16mm and multi-rank super 8. High-speed, multi-rank, optical reduction printers and additive contact printers provide exceptional quality to the cassette producer and distributor. Optical/mag sound capability, slitting and cartridge services round out this cassette service. Special equipment includes a multiple head aerial-image Oxberry optical printer with full immersion wet gates to handle all formats 1:1, blowup, reduction, insert, matte and trick effects. Available for high-quality restoration or archival footage is a custom-designed Variable Pitch Printer capable of handling footage shrunken to as much as 10%, wet-gated and optically printed 1-1 or reduced. A fully equipped scientific staff provides a beyond the state-of-the-art capability in the fields of chemistry, material sciences, optical systems, design/development and electronic design to enhance existing equipment or techniques to advance the field of image recording, color timing and printing. These

extensive capabilities, operated by craftsmen are now available for service to the industry.

Address inquiries to: the address above.

Glen Glenn Sound Co., 6624 Romaine St., Hollywood, Calif. 90038 (213) HO9-7221

Glen Glenn Sound offers complete sound recording facilities. Services include rental equipment for recording original production world-wide; a mobile sound studio for film, videotape, or record recording; transfers from any type soundtrack to any type of magnetic soundtrack or optical negative; quality control of optical negatives through the laboratory of your choice; reversible up-date videotape audio sweetening; facilities for narration, scoring, mixing, dubbing, record recording and looping.

Address inquiries to: the address above.

Goldberg Brothers, Inc., 3535 Larimer St., Denver, CO 80205 (303) 244-2436

Since 1913 Goldberg Brothers has been manufacturing products used in the motion-picture industry. It is now manufacturing a broad spectrum of film accessory equipment with major concentration on reels of all sizes and widths, cans, fiber cases, and various booth equipment. Manufacturing space is approximately 100,000 ft² and includes facilities for stamping, painting, aluminum die casting, plastic injection molding, and fully equipped tool and die shop.

Address inquiries to: Goldberg Brothers, Inc., P.O. Box 5345 T. A., Denver, Colo. 80217.

Alan Gordon Enterprises, Inc., 5362 N. Cahuenga Blvd., North Hollywood, CA 91601 (213) 985-5500

Alan Gordon Enterprises Inc., operates from a six-plant complex in No. Hollywood, CA., plus a center-of-Hollywood facility located at 1430 N. Cahuenga Blvd. and is the world's leading source for every need in the motion-picture, aerial photo, photo instrumentation, microfilm and audio-visual equipment fields. AGE Inc. provides services in sales, rentals, maintenance, design, manufacture, modification and repair. Representing the equipment of very major photo manufacturer, AGE Inc. maintains the most complete inventory of motion-picture and allied equipment and spare parts in the world. Since its founding in 1946, the company has been responsible for dozens of innovations and advancements in the motion-picture equipment field and is a specialized manufacturer and supplier of photographic components for all types of motion picture production, including feature, television, commercial, industrial and governmental film making as well as being a prime and subcontractor to other major manufacturers. AGE Inc. performs the world's largest general maintenance, modification and rebuilding of all makes and types of motion picture equipment and accessories and is a leading supplier of motion-picture equipments to studios worldwide.

Address inquiries to: the address above.

GTE Sylvania Inc., Lighting Group, 100 Endicott St., Danvers, MA 01923 (617) 777-1900

GTE Sylvania manufactures and markets a diverse line of photographic lighting products used in motion-picture and television photography, still photography and projection. The Sun Gun line includes 30-V and 12-V battery-powered movie lights for newsreel and other photography requiring a portable light source. The firm also produces tungsten-halogen and incandescent studio lamps, a complete line of movie and slide projection lamps, exciter lamps, darkroom lamps and enlarger lamps in addition to flashbulbs and general lighting lamps. The company maintains sales offices throughout the country and manufactures and markets both nationally and internationally.

Address inquiries to: the address above.

Guffanti Film Laboratories, Inc., 630 Ninth Ave., New York, NY 10036 (212) CO5-5530

Commercial motion-picture film processing has been carried on since 1929 at the present address. The firm was originally incorporated under the name of Film Service Laboratories, Inc., then under the name of Guffanti Film Laboratories, Inc., since 1946, with no change in ownership.

The laboratory has been under the personal supervision and direction of Paul Guffanti since 1929. Processed are motion-picture film of all types and widths from 35-32mm to 16mm; this includes developing of negatives, making duplicate negatives, prints, duplicating of shrunken film and slitting 35-32mm negatives to 16mm. The laboratory processes feature motion-picture films, educational and industrial films, film TV shows and TV commercials as well as films processing for all branches of the armed services. The work performed includes photographing 35mm and 16mm superimposed titles, printing of 35mm, reduction and 16mm contact superimposed. The laboratory is a commercial laboratory available to all owners and producers of motion-picture film, with facilities for developing and printing 35mm and 16mm Color, Kodachrome and black-and-white films.

Address inquiries to: the address above.

Guillotine Splicer Corp., 45 Urban Ave., Westbury, NY 11590 (516) 997-5566

Guillotine Splicer Corp. through its Professional Products Div. offers the film industry 33 types of Guillotine Gold Label Professional Film Splicers for every film configuration in existence. It also provides a special design service for fabrication to order of special application Splicers. Complete Gold Label Repair Services assure efficient repair and overhaul of film splicers as required. It manufactures a complete line of dry pressure-sensitive tape which includes clear or opaque splicing tape for all film sizes including frame line to frame line tape for 16mm film, processing splicing tape, cue-n-stop automatic sensing tapes in four different widths, blooming tape (black or silver) for picture and/or track 16mm, or 35mm, colored paper tape in four colors, black crepe photo tape, laboratory film slitters in table or power models for 16mm to 8 or super 8mm, 35mm to 16mm, universal film shrinkage gauges, core lock adapters. It also manufactures eight models of portable splicing kits. Each contains in a heavy duty plastic attache case, a Guillotine Gold Label Splicer, spare U-blade, special screwdriver, nippers, grease pencils, splicer cleaner and three rolls of Guillotine splicing tape. Through its Industrial and Amateur Div., Guillotine provides the Guillotine super 8 Splicers with Guillotine super 8 frameline-to-frameline dry pressure-sensitive optically clear or opaque splicing tape. These splicers, available with a metal or plastic base, are particularly suited for cutting, editing, and splicing super 8 single-system sound film. The splice block on these splicers is precisely 20 frames in length from one end to the film cutter blade at the other end. This provides a precise automatic reference for cutting at the picture gate or at the sound head as required. Using a wrap-around butt splice which clears the magnetic stripe, these Guillotine super 8 splicers do not mask the sound track at the splicer. Both models, like the professional Guillotine Gold Label Splicers, use non-magnetic stainless steel film cutters, and tape U-blades to rule out the possibility of click or pops being introduced into the soundtrack by magnetized metal parts. An editor's workshop kit for industrial or amateur use and containing, in a heavy-duty plastic attache case, lint-free cotton gloves, grease pencil, colored paper tape, colored film leader, splicing tape, nippers hanging line, plastic film clips, film cleaner, and a pamphlet titled "Professional Film Tips" is also available.

Address inquiries to: the address above.

Hazeltine Corp., Industrial Products Div., Cuba Hill Rd., Greenlawn, NY 11740 (516) AN1-7000

Hazeltine Corp. has been manufacturing Electronic Color Film Analyzer equipments for motion-picture processing laboratories for over 10 years. Two solid-state versions are currently available: the Model 200M which transports film via a motorized servo control system and the economy Model 200H, which transports film by a hand-operated mechanism. With either version of the Color Film Analyzer, users can view a color-corrected image of the positive print on a 180-in² television display before the stock is committed to printing. Both models handle 16mm, 35mm and 35-32mm film. The Color Film Analyzer is available overseas through Bell & Howell, Ltd. (London); Neutrodyne Pty. Ltd. (Melbourne); and Sumitomo Shoji (Tokyo). Hazeltine Corp.'s principal business is the design and manufacture of a wide range of major electronic equipments for the United States and Allied Governments.

Address inquiries to: the address above.

Hervic Corp./Cinema Beaulieu, 14225 Ventura Blvd., Sherman Oaks, CA 91403 (213) 981-2395

Hervic Corp./Cinema Beaulieu is the exclusive United States importer and distributor of Beaulieu 16mm and super-8 motion-picture camera

systems, which are marketed through a network of some 650 franchised dealers. Among the number of 16mm cameras available in the Beaulieu line are the R16BTE "Endo" Scientific/Research camera, the R16B(PZ) camera with built-in power zoom and choice of either a 17-68mm or 12-120mm zoom lens, and the "New 16" Professional Single/Double System 16mm Sound camera. In the area of Super-8 there is now the Beaulieu sound-on-film "5008S" camera which offers four separate modes of sound operation: Single System Sound; Double System Sound (with a sync generator and tape recorder); Double System Sound (with an Erlson contact switch and tape recorder); and single and double system sound simultaneously. The Beaulieu 4008ZM2 super-8 camera features a 6-66mm zoom lens, mirror reflex viewing, variable-speed control and sync sound filming capability. All Beaulieu cameras systems offer lens interchangeability. In addition, the company also exclusively distributes: Silma Dual 8 (silent and sound) motion-picture projectors; Hervic-/Minette super-8 and 16mm viewer editors; the Hervic/Multilapse time lapse photography unit; and Hervic tripods and projection screens. Hervic Corp./Cinema Beaulieu maintains two offices; its executive offices located in Sherman Oaks, Calif., and its eastern branch office in Lake Success, N.Y. Both offices maintain full service, warehousing and shipping facilities.

Address inquiries to: William Herskovic, President, at the address above.

Hollywood Film Co., 956 Seward St., Hollywood, CA 90038 (213) 462-3284

Hollywood Film Co. manufactures and distributes film handling and laboratory equipment including printers, slitters, splicers, high-speed inspection projectors, rewinds, edge-numbering machines, processors and reels, cans and shipping cases.

Address inquiries to: the address above.

Hollywood Film Enterprises, Inc., 6060 Sunset Blvd., Hollywood, CA 90028 (213) 464-2181

Founded in 1907, HFE has been serving film producers for over half a century and is believed to be the oldest 16mm laboratory in existence. The firm offers complete 16mm laboratory services in color and black-and-white including optical, contact and reduction printing as well as Kodachrome duplicating. The latest Bell & Howell color additive printers are used in the Eastmancolor Division. Complete negative, positive and reversal processing services are available on both color and black-and-white. Recent developments include completion of modern in-plant processing facilities for Ektachrome and Ektachrome ER, MS and EF camera original and Ektachrome Type 7389 color reversal prints with individual processing machines for each. The firm also maintains complete editorial facilities, projection rooms and temperature-controlled vaults with a storage capacity of over 50 million feet of film.

Address inquiries to: T. H. Emmett, Sales Manager, or Marv Mallen, Controller, at the address above.

Frank Holmes Laboratories, Inc., 1947 First St., San Fernando, CA 91340 (213) 365-4501

The laboratory has specialized for 27 years in fine quality processing of 35mm color filmstrips and color slide duplicates. All work is in color and principally in 35mm; however, other film sizes are available for special applications. Frank Holmes Laboratories has complete facilities to time, color-correct, crop, and optically print filmstrip masters and duplicate slides from all types of original material. A wide variety of special aperture sizes is available to handle unusual requirements. Custom formats can be arranged, if desired. All film is processed in-house by Treise continuous lab motion-picture processors. With a total of 3 units now in operation, Holmes has the capability of processing various types and sizes of color negative, color positive, and reversal films. Filmstrip release prints are made by contact printing. Most of the equipment used in the laboratory is custom-built or modified by the firm's own machine shop. For example, the two Hazeltine Color Analyzers in use at Frank Holmes Laboratories were modified to scan large areas and adapted especially for filmstrip timing. Two Oxberry Animation Stands and a Mitchell Camera were converted into filmstrip master cameras. All three cameras feature additive lamp houses, pre-programmed pin registration cropping system, special effects system, etc. A new contact loop printer, now in operation, incorporates an unusual method of film transport designed for long loop life, including a contactless loop counting system. (A recent

loop life test was stopped after 380,000 passes, with the negative still in printable condition.) Many of the services at Frank Holmes Laboratories are completely automated, including mounting, imprinting, and packaging of slides, as well as the canning and cutting of filmstrips. To assure prompt accurate service, new programming has been added to the firm's computer to handle all order writing and to establish and follow the work schedule through the laboratory.

Address inquiries to: the address above.

Philip A. Hunt Chemical Corp., Roosevelt Pl., Palisades Park, NJ 07650 (201) W14-4000

The Philip A. Hunt Chemical Corp. is the largest exclusive manufacturer of photographic, graphic arts and x-ray chemicals. A major portion of the photographic division is devoted to chemicals for processing motion-picture black-and-white and color films. The company was established in 1909 and rapidly became a major supplier of various chemicals used in photographic processing and the graphic arts. For the last two decades, the company has specialized in photographic products for automatic film and paper processing machines; and products for photoengraving, roto-gravure, lithography and electrophotography. The company maintains a constant program of quality control for its formulas to meet the requirements of the U.S.A Standards Institute. The Graphic Arts quality control laboratory maintains stringent control of all raw materials and finished products for the various platemaking processes. Separate research laboratories are maintained to contribute, for example, in the field of electrostatic reproduction, particularly of powdered and liquid toners. In the United States, the Philip A. Hunt Chemical Corp., with branches in major cities, sells on a direct basis to its customers. The Philip A. Hunt Company (Canada) Ltd. has branches in three Provinces.

Address inquiries to: the address above.

Image Devices, Inc., 811 N.W. 111 St., Miami, FL 33168 (305) 751-1818 Telex 51-9348 TWX 810/848-9999

Image Devices Inc., a subsidiary of Cine Unlimited Inc., is devoted to the rental, sale, and servicing of cinematographic apparatus with emphasis on the most advanced aspects of the technology. Available rental equipment fills a 48-page catalog and IDI helps to meet production schedules in all segments of the Western Hemisphere. A competent development group meets special requirements and equipment modifications as the needs arise. In a sales function IDI works through photographic dealers throughout the country in distributing advanced cine electronic gear. As an example, the company is exclusive importer and authorized service center for the full line of Georg Jensen opto-electronic products. These include the pioneering Multisync crystal sync controls for Arriflex BL cameras, Eclair cameras, a synchronizer/self-resolver for professional recorders, a time-sync generator for linkless sync recording, a camera speed indicator, drive motors for Arriflex cameras providing internal crystal speed control, and a number of other related products. IDI has a number of other proprietary products related to camera checking (Crystachek), portable lighting communications (IDI Communicator), and the like. IDI invites professional cinematographers to submit special problems of these kinds, solutions of which may already exist or be presently under consideration.

Address inquiries to: David Haylock, President, at the above address

Industrial Silver Co., Inc., 1120 North Citrus Ave., Hollywood, CA 09938 (213) 462-8821; P.O. Box 18231, Atlanta, GA 30316

Industrial Silver Co., Inc., specializes in the evaluation and installation of silver recovery systems. In the spring of 1972, the company introduced its "Regenerator," a light-weight plastic system for metallic recovery, designed and manufactured by Industrial Silver. The unit is finding wide acceptance by radiological laboratories and photographic processing installations. Industrial Silver, a subsidiary of Spiral Metal Co., Inc., also concentrates silver-bearing scrap and solutions, largely x-ray and photographic film and their by-products. The company is, by itself, one of the nation's largest accumulators of photographic salvage and related materials, and is expanding its operations to include the accumulation and processing of gold-bearing industrial waste. Consistent with this activity, Industrial Silver has installed modern pollution control equipment which will enable it to extend its reclamation operations into new areas.

At present, Industrial Silver gathers material primarily from medical facilities, photographic processing laboratories, mirror companies and electronics firms, as well as other industrial sources. Its strength is not only in the national scope of its network but in the in-depth services provided. The company's professional staff reviews procedures, makes in-plant surveys and custom-designs systems to assure optimum recovery of precious metals, giving full consideration to the economic and ecological factors involved. As part of the Spiral Metal family, Industrial Silver has, in addition to its own offices and extensive reclamation facilities, a national network of representatives and dealers. The company's main office is 497 Scott Ave., Brooklyn, NY 11222 and from here the East Coast market is serviced. An office at 919 West 49th Pl., Chicago, IL 60609 handles the Midwest. Facilities at 1717 4th St., Berkeley, CA 94710; 10763 Poplar St., Fontana, CA 92335 and the Hollywood office at the address above provide coverage of the Far West.

Address inquiries to: Our nearest office.

International Film Laboratory, Inc., 2660 W. Olive Ave., Burbank, CA 91505 (213) 849-6171

International Film Laboratory, Inc., is a new, ultra-modern facility established to provide one-stop laboratory service to the discriminating client in search of high quality at a reasonable cost on quantity release printing on 35mm, 16mm, regular 8mm and super 8mm formats. Included in our printing equipment are the Peterson Panel 35-32 and 16S/8 reduction high-speed printers. Contact printing is accomplished on Bell & Howell additive color printing machines on 35mm, 16mm and super Quad-8 formats. Processing facilities are provided for color-positive, color-inter-negative, Ektachrome ME4/ECO-3 and B&W negative, positive and sound tracks. Among other services provided are complete filmstrip production facilities and 16mm sound studio with facilities for recording, dubbing and mixing up to seven channels. Projection facilities are provided for all formats for the convenience of the customer.

Address inquiries to: Mardi Rustam, President; Robert Hartshorne, Vice President, Eng.; Bob Matteson, Laboratory Manager.

International Video Corp., 990 Almanor Ave., Sunnyvale, CA 94086 (408) 738-3900

International Video Corp. designs, manufactures and markets color television cameras and videotape recorders for broadcast, closed circuit and cable applications. Its principal broadcast products are the IVC-9000 videotape recorder using two-inch tape and the IVC-7000 color television camera. The company's one-inch broadcast line includes the IVC-960 recorder. Other cameras include the IVC-500A and IVC-240 film chain camera. IVC's headquarters and manufacturing plant are located at Sunnyvale, California.

Address Inquiries to: Carter Elliott, Manager, Corporate Communications.

Irene Film Laboratories (Pty) Ltd., P.O. Box 15, Irene, Transvaal, Republic of South Africa 65351/5; Telex No. 3-0330

Irene Film Laboratories (Pty) Ltd. is the only commercial motion-picture laboratory in the Republic of South Africa which provides a full range of services to motion-picture and TV producers. Processing services include 35 and 16mm black-and-white negative/positive, 16mm black-and-white reversal, 16mm Ektachrome (ME4 and ECO), 16mm Gevachrome and 35mm and 16mm Eastman Color negative/positive. Processing machines are predominantly Debric. 35mm and 16mm Contact Printers are Bell & Howell model C's and Debric Tipro's fitted with liquid gates are used for 35/16mm reduction. Color timing is carried out on Hazelines. Latest developments include the installation of a Bell & Howell 16/super 8 reduction printer and associated magnetic sound transfer console and the introduction of ORI Processing. The Optical department is equipped with an Oxberry Aerial Image Animation Stand and an Oxberry 1500 printer fitted with aerial image. Other services include negative cutting, film storage and a sound studio equipped for recording and re-recording onto 1/4-in, 16mm, 17.5mm and 35mm magnetic film and 16 mm and 35mm optical.

Address inquiries to: the address above.

KEM Editing Systems, Inc., 6253 Hollywood Blvd., Hollywood, CA 90028 (213) 461-4143

Kollmorgen Corp., Hartford, Conn.

Kollmorgen Cinema & Lighting Div. 315 Westerhall Ct., N.W., Atlanta, GA 30328 (404) 252-4568

As U.S. distributor of Bauer stationary projectors, this division of Kollmorgen represents marketing technical and spare parts activities for Bauer of Stuttgart. The Product line includes 70mm, 35mm, and 16mm professional intermittent projectors with built-in controls, built-in xenon lamphouses, and numerous devices to protect the film in use. In addition, there are film platters, automation equipment, reversing/automatic projectors, and a wide line of studio equipment for 16mm, and for 35mm, with single or double band sound tracks separate from film. Also the famous Bauer Target Training Projector for police and security training. Consulting for film projection projects, is offered.

Address inquiries to: G. M. Berggren at Atlanta address.

Macbeth Sales Div., R.D. #3, Jeanne Dr., Newburgh, NY 12550, (914) 564-6300

As U.S. distributor of Bauer stationary projectors, this division of Kollmorgen represents the famous SBO line of xenon lamps, ranging from 75 watts, to 6500 watts, with both vertical and horizontal lamp designs. Also the totally new HMI Metallogen lamps, and mercury arc, UV, IR, and tungstenhalogen types. In addition, there are custom designs, and bulbs for research instruments and special purposes.

Address inquiries to: Michael McGovern, at Newburgh address.

Photo Research Div. Kollmorgen Corp., 3000 N. Hollywood Way, Burbank, CA 91505 (213) 849-6017

Photo Research Div. of Kollmorgen Corp. is engaged in the design and manufacture of professional motion-picture and television light measuring equipment providing, specifically, professional exposure meters, color temperature measuring devices, colorimeters for use in the motion-picture printing industry. Photo Research also provides luminance and illuminance measuring instruments used in research and development in our industry; it recently introduced the Spectra MiniSpot for use by film practice projection personnel for measuring screen brightness and lumen output of the projectors. The company is involved in research and development work to continually improve the availability of state-of-the-art light-measuring instruments for motion pictures and television. The company is always interested in offering its services and technology where it may be of benefit to the industry and welcomes any inquiries as to development projects on new equipment which may be needed in the industry.

Address inquiries to: The address above.

Lider Cine Laboratorios S.A., Av. 28 de Setembro, no. 168, Vila Isabel, Rio de Janeiro, G.B., Brazil

Lider Cine Laboratorios S/A is a Brazilian film laboratory in B-&W and color, and in all gauges. The head office and the Rio Laboratory are located in the large, recently constructed group of buildings, at the above address. The laboratory has a branch in Sao Paulo, at Rua 13 de Maio, 402, also fully equipped for operations in B-&W and color. The new premises of the Rio Laboratory house the most modern machinery and equipment of a film laboratory, fully conditioned to meet the constantly increasing requirements of the industry work connected with motion pictures and TV services. It has the capacity for developing and printing to meet all possible market demands. In addition to the above services, Lider had recently acquired the control of Somil, a sound recording and dubbing organization. It is equipped with the latest, specialized machines for servicing TV stations and the screening in local theatres. It also has dubbing assembly rooms for independent producers.

Address inquiries to: the address above.

Lipsner-Smith Corp., 7334 N. Clark St., Chicago, IL 60626 (312) 338-3040

Lipsner-Smith Corp. introduced a new film conditioning system. By adding a conditioner to the present system, the positive prints are lubricated, coated, cleaned and static free. Lipsner-Smith Corp. also produces the CF-2 Ultrasonic Film Cleaner that works without mechanical scrubbing or contact. An Academy Award for scientific achievement was awarded to the firm for the above equipment. The LSC Vedette, a professional projector with a rotating prism optical system operating at 0-400 ft/min is

available. This unit projects picture, sound-track and monitors sounds. Lipsner-Smith also provides clean room and laminar flow equipment as well as complete plant air control.

Address inquiries to: the address above.

Lowel-Light Manufacturing, Inc., 421 W. 54th St., New York, NY 10019 (212) 245-6744

Lowel-Light Manufacturing, Inc. designs and manufactures innovative portable motion-picture and television lighting systems. Specialists in location lighting equipment, the product line includes: The Lowel Total System, Softlight, Link System, Quartz "D" & "R", Variflector II and the original Lowel-Light and Barndoor.

Address inquiries to: the above address.

MM Editing Systems, Inc. 321 West 44th St., New York, NY 10036

MM Editing Systems is the new and sole distributor in Eastern U.S.A. of KEM products, such as the KEM Universal, a modular interchangeable and expandable (6-plate-8-plate) editing table, with a large picture, clear sound and quiet operation. In the 8-plate configuration, the editing table can take modules for three pictures and one soundtrack; two sounds; one picture three sounds; or four sounds blind. These combinations can be used in any combination of super 8, 16mm, super 16, 35mm, 70mm cinemascope, and techniscope, all with synchronous drive at 24 frames/s. KEM Universal 4-plate junior is a non-extendable editing table, utilizing the same modules and with the same interchangeability of the 6/8 plate Universal. The new KEM RS-Super (Rapid), is a compact 6-plate editing table interchangeable, with separate frame counter for each transport and the manual inching operation makes it a simple super synchronizer. KEM dubbing and transfer equipment is of the highest quality in the audio field. It can be used for any film and sound application. There are service representatives in major cities.

Address inquiries to: the address above.

M.G.M. Laboratories, Inc., a subsidiary of Metro-Goldwyn-Mayer, Inc., 10202 W. Washington Blvd., Culver City, CA 90230 (213) 836-3000

M.G.M. Laboratories, Inc., in addition to its services for the parent company for the past 40 years, offers complete motion-picture laboratory services, 8mm through 70mm. Independent producers of motion pictures may avail themselves of the professional black-and-white and color processing and printing facilities, as well as optical, title, and sound services.

Address inquiries to: Walter G. Eggers, Vice President and General Manager, at the address above.

Magnasync/Moviola Corp., 5539 Riverton Ave., North Hollywood, CA 91601 (213) 877-2791

The firm is a subsidiary of Craig Corp., and has been worldwide in supplying quality magnetic film and tape-recording equipment to the industry and government for over a decade. Three basic lines of equipment are featured: the Studio line of magnetic film recording and reproducing equipment, the Editing line of motion-picture film editing equipment, and the Communications line which encompasses tape recording units. In the Studio line, the company offers 16, 17.5 and 35mm recorder/reproducers, both portable and studio, interlock systems, audio units, audio consoles, both standard and custom, and a complete line of accessories with which to equip the most modern recording facility. Moviola film-editing equipment has been manufactured since 1920. Products include: new Moviola console editor, incorporating computer-type footage, frame, minutes and seconds counter, along with its standard upright editing equipment, synchronizers, sound readers, rewinds and crab dollies. In the Communications line of equipment, the company offers ¼-in, ½-in, and 1-in tape recorders equipped for 24-h voice recording and other specific requirements. Channel selection can be a maximum of 20 tracks. Also supplied is "high-speed" search Time Code Generator and Reader giving 24-h digital readout. To complete the company's facilities we are equipped with a modern engineering laboratory manned by professional personnel who are available to design, modify and recommend equip-

ment to a specific requirement. Magnasync/Moviola products and services are distributed throughout the free world by more than 60 dealers.

Address inquiries to: L. S. Wayman, President/General Manager, or Walter H. Mills, Executive Vice-President, at the address above.

Magna-Tech Electronic Co., Inc., 630 Ninth Ave., New York, NY 10036. (212) 586-7240

Magna-Tech Electronic (MTE) manufactures a complete line of professional motion-picture studio sound recording equipment. The product line includes 16mm, 35mm, 17½mm magnetic reproducers and recorders, in all track configurations and positions from one to eight track, in either or both SMPTE or CCIR equalization and 24 or 25 frame speed. Interlock systems offered are single phase, three phase, high speed, and all transistor system with stepping motor drive. 16mm and 35mm reversible interlock projectors offered are either sync or high-speed interlock, operating forward and reverse. The high-speed projectors use on all electronic intermittent for sync and are continuous at high speed. The company's Electronic Looping System (EL) is a control console for the recorders and projector, permitting post sync looping or foreign language dubbing of a whole reel without cutting the film into actual loops. On December 31, 1969, an "Academy Citation" was presented as a technical award for the EL System by the Motion Picture Academy of Arts and Sciences. Various synchronizers are available for operation of audio and video tape recorders in sync with sprocketed film.

Address inquiries to: Norman T. Prisament, at the address above.

Marconi Electronics, Inc., 1309-J Stone Mill Ct., Stone Mountain, GA 30083 (404) 469-7471

Marconi Electronics Inc. is the U.S. subsidiary of The Marconi Company in England, which was the world's first radio company having been incorporated in 1897. Marconi manufactures a complete range of equipment for the industry which includes products for space communications, both ground station and satellite in addition to microwave communications equipment and a complete range of HF transmitters and receivers. In particular Marconi Electronics distributes its Broadcast, Radio and Television products including a complete range of radio transmitters from 1kW through 750W AM; 1kW and 10kW FM; and 100kW, 250kW short wave. The television transmitter line covers 1kW through 15kW VHF and 10kW through 55kW UHF with higher powers available by paralleling. Marconi's comprehensive studio equipment includes the world's first full automatic color camera—the Mark VIII, now the Mark VIII-B, and an automatic portable color camera—Mark VIII-X; a full facilities film chain; audio and video switchers and switching systems; custom remote trucks; pulse generation and distribution systems; monochrome cameras; test charts and all accessories needed for a complete studio installation. Test equipment for the broadcaster and the whole field of industrial electronics is available from the above address.

Address inquiries to: the address above.

Medallion Film Laboratory, Ltd., 559 Rogers Rd., Toronto 3359, Ont., Canada (416) 653-6176

This organization (formerly S. W. Caldwell Ltd.; Cinesound Ltd.) provides the film and broadcasting industries with such services as 35mm Eastman Color negative and positive printing and processing; 16mm Eastman Color printing and processing; Kodachrome printing; 16mm black-and-white negative and positive printing and processing; color film strip printing and processing; 16mm black-and-white reversal printing and processing. The firm has been in operation since 1949.

Address inquiries to: Mr. W. C. James, Vice-President and General Manager in Charge of Production, at the address above.

Metro/Kalvar, Inc., 745 Post Rd. Darien, CT 06820 (203) 655-8209

Metro/Kalvar, Inc. is jointly owned by Metro-Goldwyn-Mayer, Inc. and Kalvar Corp. Its primary responsibility is to market Kalvar® vesicular heat developable motion-picture film. The Metro/Kalvar system is a black-and-white reproduction process, and special printer-processor equipment has been developed for 8 mm, super 8, 16mm and 35mm formats. A unique feature of the Metro/Kalvar process is printing and processing in one continuous operation without chemicals or solutions, in normal room light. The films are composed of a tough saran-type emulsion on a poly-

ester base. Metro/Kalvar also offers a complete line of ultrasonic film splicers for the following polyester-base film formats: 8mm, super 8, 16mm, 35mm, 70mm, and 105mm. Metro/Kalvar has management offices in Darien, CT., laboratory and engineering facilities in Los Angeles, and a service office in Skokie, IL.

Address inquiries to: the address above, or to 8927 W. Exposition Blvd., Los Angeles, CA 90034 (312) 837-7179, or to 9933 N. Lawler Ave., Skokie, IL 60076 (312) 674-3760.

Minnesota Mining & Manufacturing Co. (3M), Photographic Products and Mincom Divs., 3M Center, St. Paul, MN 55101 (612) 733-0020

3M Company continues its worldwide commitment to imaging by supporting substantial research efforts at 3M Center in St. Paul, Minnesota; Harlow, England; and Ferrania, Italy. Applications and products have proved to have particular application for the motion-picture and television industries. Current products include a variety of black-and-white and color raw stock films especially engineered for release printing. These products are marketed only to professional laboratories. 3M professional motion-picture products are served by three sales and service branches: in Los Angeles at 6023 South Garfield Ave.; in West Caldwell, N.J. at 15 Henderson Dr.; and 3M Center in St. Paul, Minn. The Mincom Div. manufactures and markets the 3M Brand Professional Recorder, a high-performance system for master recording for both the record and film industries. The Professional Recorder can be used either in the studio or on location. Other professional products include the electron-beam recorders which record high-quality TV pictures on 16mm black-and-white and color film, and a line of dropout compensators for use with color VTR systems.

Address inquiries to: 3M Company, 3M Center, at the address above or to local offices.

Minolta Corp., 200 Park Ave. South, New York, NY 10003 (212) OR4-8525

As sole United States agents for the complete line of photographic equipment manufactured by Minolta Camera Company Ltd., Osaka, Japan, founded 40 years ago, this company is engaged in the distribution of still cameras, 8mm cine cameras, and projectors. Other activities include office copy equipment, microfilm readers, printers, image intensifiers, TV optical equipment (TV color analyzer, TV spot meter), and photometry instruments (a full system of exposure meters: color, flash, spot and incident meters).

Address inquiries to: the address above.

Mitchell Camera Corp., 666 West Harvard St., Glendale, CA 91209 (213) 245-1085

Mitchell Camera Corp. is a leading designer and manufacturer of professional motion-picture cameras used extensively in the production of films shown on television and in theaters throughout the world. In addition to work for the theatrical and television fields, the firm produces 16mm, 35mm and 70mm cameras and projectors of special design for research applications. Current developments now in production include Vista-205 studio-type camera; Mark III 35mm Handheld; Sportster 16mm; special equipment for underwater; multispectral photographic equipment and optical colimators.

Address inquiries to: Sales Dept., at the address above.

Mobius Cine Ltd., 7 E. 47th St., New York, NY 10017 (212) 758-3770

New, expanded facilities in Midtown Manhattan. Finest in sales, service, rental & repair of professional motion-picture & related equipment. Staffed by knowledgeable, concerned people willing to give individualized service regarding any problems or needs. Exclusive Eastern Distributor for the Mitchell/Wilcam R-16S camera & Swintek wireless microphone systems. Large inventory of new & used equipment always on hand. Our growing rental dept. prides itself on supplying the finest, cleanest, well kept equipment. Service of customer's equipment is done to the highest factory standards, often within 24 to 48 hours.

Address inquiries to: Sy Cane, at the above address.

Mole-Richardson Co., 937 North Sycamore Ave., Hollywood, CA 90038 (213) 851-0111

The company, founded by Peter Mole in Hollywood in 1927, pioneered in the development of lighting equipment for the motion-picture studios. By keeping pace with advancements in the art of photographic lighting, the firm currently offers the most complete line of specialized lighting equipment ever produced by one manufacturer for motion-picture, still and TV studios. Incandescent fixtures of both fixed beam and focusable types are available in wattage ratings ranging from 50 through 10,000 W. Mole-Richardson has also developed a comprehensive family of fixtures using the quartz halogen light sources, including the new 1,000 W Baby-Baby, 2,000 W Baby Junior, 5,000 W Baby Senior and 10,000 W Baby Tender. A new addition is the ellipsoidal pattern light, the 2,000 W Molequartz Molelipso. Various sizes of arc lights are offered up to 350 A including the 225 A Baby Brute Molarc and the 225 A Litewate Brute Molarc. Other related products include lighting controls, hanging devices, power distribution equipment, engine driven generators, dc and ac, transformers, microphone booms and perambulators, grip equipment, special effects, and technical books, and a new Molepower wet cell battery pack and charger kit. Mole-Richardson recently introduced a family of dc and ac Molepower See-Thru Spiders, U.L. approved and meeting OSHA standards. In addition to the existing family of Softlites the company designed a 2000-W Molequartz 2K Baby "Zip" Softlite and a 4,000-W molequartz 4K Baby Softlite. Also available is a new 120-W Eight-Tube Molecent fluorescent lighting fixture. Recently we introduced two new Mole Focal-Spots, Type 280108 for use with the Type 2801 Mini-Mole Solarspot,[®] and Type 23541 for use with the Type 2351 Midget Solarspot[®]. The company maintains both sales and rental services not only from its headquarters in Hollywood, but through distributors around the world.

Address inquiries to: Warren K. Parker, President, at the address above.

Mosaik-Union Film GmbH & Co. Audiovision KG, 1 Berlin 46, Muehlenstr. 46-54; 2 Hamburg 70, Tonndorfer Hauptstr. 90; 8 Munich 80, Weltenburger Str. 43; Berlin 77931, Hamburg 66 30 40 Munich 91 70 70

The company took over all economic and technical activities of Mosaik-Film GmbH, member of SMPTE, Mars-Film GmbH and Berliner Union Film KG, 1 Berlin 42, Viktorlastr. 13-18, which used to be the laboratory for the former UFA Company. The main office and the dubbing studios are located in West Berlin, Germany, the laboratories are located in West Berlin and Hamburg. The services are: complete color (Eastman, Agfa-Gevaert, and Ferrania Color), black-and-white printing and processing (negative and positive) department in 35, 16 and 8mm for theatrical, industrial, educational and television purposes. A complete optical department supplies all facilities for animation and travelling mat. The services include the production of intermediates, internegatives and CRI; reduction printing, optical and magnetic track transfer and all associated lab services. In addition, the company offers rental of nine sound recording and mixing studios and 30 editing rooms well equipped for all dubbing requirements including stereophonic sound recording, multi-channel, especially six-channel mixing with the possibility of sound transferring to 8, 16, 35 and 70mm release prints, magnetic striping and a complete sound service. The company is planning to install all technical and electronic equipment for duplication of video cassettes.

Address inquiries to: the address above.

Motion Picture Enterprises, Inc., Tarrytown, NY 10591 (212) 245-0969

As a prime supplier to the professional motion-picture and TV industry, the firm stocks reels, cans and fiber cases of all sizes for film and tape, with more than 500,000 units on hand in the New York City warehouse to enable immediate shipping. The company also has facilities in Burbank, CA and Chicago, IL. A complete line of cutting room and film library equipment and supplies includes rewinds, tables, storage cabinets, splicers, splicing tape, sound readers, etc. The firm also offers film editing and developing machines as well as other laboratory equipment for rent or sale.

The semiannual *Motion Picture, TV & Theatre Directory Hand Guide* is published with a national circulation of 36,313; the quarterly *Motion Picture, TV & Theatre Wall Chart*, circulation 10,500 and the semiannual *MPE Audio-Visual Source Directory*, circulation 46,309.

Address equipment and supplies inquiries to: Herbert R. Pilzer, Presi-

dent, or Sylvia Jarvis, Vice-President and Sales Manager; and *publications inquiries* to John Low, Director MPE Publications, Inc., at the address above.

Motion Picture Laboratories, Inc., Memphis: 781 So. Main, Box 1758, Memphis, TN 38101 (901) 774-4944; MPL Piedmont: 2517 So. Blvd., Charlotte, NC 28023 (704) 525-5416; Cine-Craft, Inc., 8764 Beverly Blvd., Hollywood, CA 90048 (213) 652-7357

The firm's complete 16mm/super 8mm motion picture laboratory services are: processing: color negative, ECO, EF, MS, B&W reversal, negative & positive. Flashing & force processing available on all emulsions. *VTR Transfers:* Color and B&W Transfers from 2-in. Quad, 1-in. IVC, 3/4-in. Sony, and 1/2-in. EIAJ tapes. *Sound:* 35mm & 16mm original recording, mixing, dubbing, optical sound, electros. *Printing:* 16mm and super 8mm reduction, 35mm to 16mm reduction. *Optical Printing:* complete special effects, aerial image, total immersion wet-gate. *Titling. Editing:* creative, music selection, and scoring, Steenback tables. Other services includes super 8mm waxing and cartridge loading, film cleaning and repairs, edge numbering, and equipment rental & sales.

Address inquiries to: Box 1758, Memphis, Tenn. 38101.

The Motion Picture Promotion Corp. of Korea, 19 Naeja-Dong, Jongro-Ku, Seoul, Korea, KPO Box 605, Cable address, Komopro Seoul 75-0582, 75-0912

This corporation is a non-profit juridical person established in accordance with Motion Picture Law of Korea, as only one authority for promotion of Korean film industries, for the purpose of promoting domestic motion pictures, fostering and aiding motion-picture industries, and production, export and import of motion pictures. The business of this corporation are production of motion pictures; export and import of motion pictures and services thereof; exploration of motion-picture markets; and loan for production costs to domestic film industries; development of motion-picture production facilities; technical improvement of film personalities; promoting the welfare of the film personalities; and research. This corporation will build up a large-scale combined studio which will function in producing, dubbing, recording and will include a film library within this year.

Address inquiries to: the address above.

Movielab, Inc., 619 West 54th St., New York, NY 10019 (212) 586-0360; 6823 Santa Monica Blvd., Hollywood, CA 90038 (213) 469-5981

Movielab, Inc. is a complete 35mm and 16mm color and black-and-white daily and release laboratory. Original EK types 5254, 7254 and the new 5247 and 7247 color negative film developing and printing; also flashing of original camera negative films; additive color printing, 35/16mm liquid gate optical IP's, inter-negatives, CRI's and blowups; Ektachrome developing and printing, Kodachrome scene-to-scene color-corrected printing; black-and-white reversal developing and printing, color filmstrip department; super 8 release printing with magnetic and optical sound; complete title department; sound transferring including 35/16mm double rank negative matching; editing rooms; film and tape storage vaults; and private screening facilities. The company maintains a long range program of research and development.

Address inquiries to: Sales Dept. at the New York address above.

Multi-Track Magnetics, Inc., One Ruckman Rd., Closter, NJ 07624 (201) 768-5037

Multi-Track Magnetics, Inc. is engaged in the design and manufacture of professional motion-picture sound recording equipment with emphasis on innovation and versatility. The company offers magnetic recorders and reproducers for 16mm, 35mm, 17 1/2 mm, as well as super 8mm magnetic film in all standard track configurations. Interlock systems, with all solid-state footage counters, feature single or 3-phase drives with high-speed capability. A complete line of 16 and 35mm projectors and projector interlock modifications are available. In 1971, MTM introduced the "Building Block" concept in its 100 Series of modular recorder/reproducers, a highly versatile recording hardware that has found wide acceptance within the profession. In addition, to satisfy a growing demand for modestly priced professional transfer and mixing setups, MTM has re-

cently introduced the Dual Lock R-107 systems, featuring a simple mechanical interlock to either a 16 or 35mm projector, or an electrical interlock for existing systems. The company also offers its expertise in studio systems, design, as well as updating existing installations.

Address inquiries to: the above address.

NAC Incorporated, 17 Kowa Bldg., No. 2-7, Nishi-Azabu 1-chome, Minato-ku, Tokyo, Japan 106

NAC is pursuing the unlimited possibilities of utilizing motion picture and television technology in the field of image information, that is the recording, creation, reproduction, analysis, and interpretation of images by means of optical, mechanical, and electronic engineering including television technic. NAC's staffs are engaged in the development, manufacture, sales, rentals and import/export business of the image information systems, as well as in the technical services in the field of data reduction and interpretation of images. The core-office and the rental shop of the company are located in Tokyo. The factory in Yokohama is mainly engaged in development works and system engineering, and NAC Instrumentation Center which has a group of staffs and latest devices for providing technical services, is located in this factory. The center now is engaged in data processing and data handling to the remote sensing. NAC Singapore Ltd., another overseas division, has not only the production facilities but also has the showroom and the training center for accepting peoples from developing countries in the Far East.

Address inquiries to: the above address.

National Association of Broadcasters, 1771 N. St., N.W., Washington, D.C. 20036 (202) 293-3500

The National Association of Broadcasters represents more than 4,000 radio and television stations throughout the 50 states, the District of Columbia, and Puerto Rico, as well as all eight national radio and television networks. A non-profit organization, the Association was organized in 1922 "to foster and promote the development of the arts of aural and visual broadcasting in all its forms; to protect its members in every lawful and proper manner from unjust exactions; to do all things necessary and proper to encourage and promote customs and practices which will strengthen and maintain the broadcasting industry to the end that it may best serve the public."

Address inquiries to: George Bartlett, the above address.

O'Connor Engineering Laboratories, Inc., 100 Kalmus Dr., Costa Mesa, CA 92627 (714) 979-3993; (213) 627-4057

First engaged in the manufacture of fluid pan and tilt heads in 1952. The first 20 fluid heads were sold to Disney Studios and were the first fluid heads manufactured in this country. Today the company manufactures a complete line of fluid heads for motion-picture and video cameras weighing up to 200 lbs. The company also manufactures tripods and hydro-peds, resulting in a complete line of camera-support equipment known throughout the world. The company also maintains an office in Geneva, Switzerland for handling European sales.

Address inquiries to: The address above.

Optical Radiation Corp., 6352 North Irwindale Rd., Azusa, CA 91702 (213) 969-3344

Optical Radiation Corp. develops and manufactures quality products in the area of high-technology illumination systems. Specifically, these products produce, control and project radiant energy in the form of visual, infrared and ultraviolet light.

Address inquiries to: Ron Offerman, at the address above.

Orox Corp., 2300 Ampex Ave., Opelika, AL 36801 (205) 749-8261

Oxberry — Div. of Richmark Camera, 516 Timpson Pl., Bronx, NY 10455 (212) 585-0730

The Oxberry Div. designs and manufactures the complete line of Oxberry equipment; animation and filmstrip stands, special-effects optical step

printers, combination 16/35mm fixed-plin registration cameras for animation, filmstrip and optical effects work. A complete line of accessories is integrated to match all Oxberry equipment for flexibility and versatility in use. Complete production facilities and mechanical-electrical design staff are available for the development and manufacture of special products related to film equipment. The company's research and development program has resulted in a patented aerial image system for optical printers and animation stands as well as automated control devices for Oxberry equipment. Complete service facilities are maintained in Europe, Asia and California. Main office and factory are in Bronx, N.Y.

Address inquiries to: Richard McCarthy, Sales Manager, at the address above.

Paillard Inc., 1900 Lower Rd., Linden, NJ 07036 (201) 381-5600

Paillard Inc., a subsidiary of Paillard S.W., Yverdon, Switzerland, is distributing high-quality photographic equipment within the United States. Among the major items are the Bolex 16mm cameras, including the Bolex 16 PRO, a highly versatile, unique and automated camera for all types of 16mm professional film making. The professional Bolex H-16 cameras come in various models, with 100-ft and 400-ft film capacity and equipped with lenses made by Kern, Switzerland, Angenieux, and Sapelem, France. The Bolex super 8 line includes cameras with Macrozoom for amateur and semi-professional applications, silent and magnetic sound projectors, cartridge projectors with fully automatic film rewind and cartridge change, splicers and magnetic stripping machines. In the still camera field, Paillard is importing the Hasselblad 2 $\frac{1}{4}$ medium format cameras made by Hasselblad A.B., Goteborg, Sweden, and used in every field of amateur and professional photography. This single lens reflex camera offers complete interchangeability of film magazines, viewers, and Zeiss lenses with built-in Synchro-Compur shutter for complete synchronization with electronic flash. Hasselblad cameras are also available with built-in motor drive for automatic film advance, remote operation and multiple camera applications. The third major line is Topcon, made by Tokyo Optical Co., Japan. It includes a highly developed, sophisticated 35mm Camera system with built-in exposure meter and over 20 interchangeable lenses including Macro and zoom lenses. Large 250-exposure magazines, electric film advance and sequence motor accessories make Topcon ideal for specialized industrial and scientific applications. Paillard Incorporated is a major supplier of camera equipment for the NASA space program since 1962. The Hasselblad cameras have been used in space-ships and on the surface of the moon, individually and in clusters of four. A special model and reseau plate for mapping purposes was developed and is now available for photogrammetric purposes as the Hasselblad model MK 70. Kern Switar lenses have been supplied to NASA for use on the 16mm sequence cameras.

Address inquiries to: the address above.

Pako Corp. 6300 Olson Hwy., Minneapolis, MN 55440 (612) 540-6011

Pako Corp. is the world's most experienced manufacturer of film processing equipment. For over 70 years Pako has maintained a reputation for quality products. Pako has grown in size and scope, branching world markets and manufacturing a full line of cine, photographic, x-ray and graphic arts processing equipment. Pushbutton operation is the key to faster quality processing at less cost. Pako prides itself on a proven full line of Cine Processors for all known types of film. Pako photographic products are sold and serviced on a direct basis, by Pako, other than in a few select areas.

Address inquiries to: the address above.

W. A. Palmer Films, Inc., 611 Howard St., San Francisco, CA 94105 (415) 986-5961

San Francisco's complete 16mm film service facility. Laboratory services include black-&-white and color developing, work-print, answer and release printing, additive color printing, scene-to-scene color correction, internegatives, optical printing, liquid gate printing, special effects. Other services include videotape to film transfers, synchronous recording (location and studio), narration recording, music libraries, scoring and dubbing; complete animation, title and editorial services, and sound stage rental. The company also markets the Palmer Interlock Projector, the Palmer Magnetic Film Transport, and the Palmer Television Film Recorder.

Address inquiries to: Kay Kibby, Advertising Manager.

Peterson Enterprises, Inc., 1840 Pickwick Ave., Glenview, IL 60025 (312) 729-1010, 273-2422

The company designs and manufactures motion-picture contact and reduction printers. It remains abreast of the latest requirements of the motion-picture industry, supplying film printers and accessories for 8mm through 70mm, including super 8 and 35/16-3R film. The standard manual subtractive-pedestal-type printer is complimented by a complete line of color additive contact pedestal-type and bidirectional panel printers, plus 35mm filmstrip printers, in both manual and automatic modes. Accessories available for contact printers are soundheads, multiple-speed fade units, RF cuing systems, air/vacuum film cleaners and pumps, plus cue patch applicators. The latest equipment designed is their new bidirectional 16mm-to-super-8 (dual rank, quad rank and combination) Continuous Optical Reduction Printer in the panel-printer concept. Optical and magnetic sound attachments are available. Also, the "COR-JR" single concept, uni-directional continuous optical reduction printer for super 8. More than 40 years of experience in the motion-picture industry has afforded the knowledge to design and produce this fine and efficient film printing equipment. The company continues to originate many vitally needed improvements and new time-saving accessories.

Address inquiries to: C. L. Zichterman, Vice President and Director of Marketing, at the address above.

Philips Audio Video Systems Corp., subsidiary of North American Philips Corp., One Philips Pkwy., Montvale, NJ 07645 (201) 391-1000

"Philips" and "Norelco" are trademarks of the company's products. Philips Audio Video Systems Corp., formerly Philips Broadcast Equipment Corp., was renamed in 1974 to better describe the diverse products lines of its five divisions. The divisions are: Audio Div. (AKG microphones, headphones and reverberation units, Philips high-fidelity components including turntables and motion feedback speaker systems and electronics, Philips commercial sound, intercom and radio paging systems, professional audio systems); Broadcast Equipment Div. (studio, field and hand held "electronic journalism" color television cameras and ancillary studio and remote equipment); Government Systems Div. (thermal imaging systems, low-light-level television systems, and infrared and electro-optical search and track systems for military and commercial applications); Video Systems Div. (CR color video cassette recorder, closed-circuit television—color and monochrome, "PIP" audio visual training devices); Citizens Alarm Systems Div. (urban and highway citizens' reporting systems for fire and police emergencies).

Address inquiries to: James L. Wilson, Vice President, Broadcast Equipment Div., at the address above.

Photomethods (Ziff-Davis Publishing Co.), One Park Ave., New York, NY 10016 (212) 725-7447

Photomethods magazine was established in 1957 as Photo Methods for Industry (PMI). For many years the readers were primarily in-plant and independent professional photographers. The name of the magazine was changed to Photomethods with the September 1974 issue. Today about half of our readers are in-plant and independent professional photographers. The other half comprises "functional photographers" — those non-amateur photographers who use imaging in some form, film, video, still, micrographics, in their daily work. Among those readers are engineers, scientists, technicians, educators, communicators who work for manufacturing and non-manufacturing firms, and research organizations, local, state and federal governments. We are interested in methods: techniques of recording light, still or motion, magnetic or silver halide. Chief areas of interest covered editorially are cine, video, instrumentation, graphic reproduction and processing. We write about the full range of imaging activities of our readers and offer solutions to problems and report on their imaging activities.

Address inquiries to: Fred Schmidt or Bert Lefkowitz, at the address above.

Photo-Sonics, Inc., 820 South Mariposa St., Burbank, CA 91506 (213) 849-6251. Telex #67-3205

The firm manufactures the Photo-Sonics line of 16mm, 35mm, and 70mm instrumentation cameras, 16mm airborne strike and gunsight cameras, tracking mounts, and complete data gathering systems; it also manufactures Acme special-effects motion picture equipment for animation, laboratory, and kinescope recording. Additionally, Photo-Sonics

leases photoinstrumentation equipment, provides operating personnel for optical data gathering services, and designs and manufactures equipment for specialized photographic applications.

Address inquiries to: John Kiel, President; Roy Edwards, Vice-President; at the address above.

Plastic Reel Corp. of America, 640 S. Commercial Ave., Carlstadt, NJ 07072 (201) 933-9125

The firm is the originator of the Plio-Magic® line of plastic shipping cases and film reels. The reels, available in all sizes from 8mm and 16mm, 50 ft to 2200 ft, have been used successfully in the commercial and educational field for many years. Also available is a completely new line of Plio-Magic® 35 mm and 126mm reels (100 to 1200 ft) used primarily in the processing field. The exclusive patented Plio-Magic™ shipping case, is available in single and multiple reel sizes from 400 ft to 2200 ft. Exclusive positive-action locks are built to withstand the roughest punishment, and to ship films safely and intact even through modern high-speed post office sorting equipment. Plastic Reel also recently introduced a new line of Premium plastic reels called Plio-Magic® Plus. They are 16mm projection reels of more rigid and durable construction, available in sizes from 400 ft to 2200 ft. Also new is the line of Strip & Sound Systems used for packing record and filmstrip programs, and cassette and filmstrip programs. Both items allow the user to form a totally integrated dust-resistant package which ensures that the filmstrip and cassette or record are protected and issued completely each time a program is given or shipped. Also available is a line of Plio-Magic film cans for 16mm film ranging from 400 ft to 2200 ft. Also available are tape reels, film cores, flatbed rollers with soft-touch tires and the spring bushing used in the new Kodak system, idler and drive rollers, bushings, bearings, and a new line of videotape reels in a wide range of sizes. New to the Plio-Magic line is the Strip & Sound Swinger, a new rotary file for filmstrip/cassette programs, 8mm film loops, microfilm rolls and cartridges, that save space, time and money. Of modular construction, sections are available to hold 60, 120, 240 and 360 of the Plio-Magic Strip & Sound Pak units. The new Modu-Line System 70 Series is a three-dimensional, modular storage rack to hold film cans and cases, and videotape cassettes and reels, with the greatest safety, convenience and efficiency possible. The individual components are of heavy gauge steel that together form a unique custom-tailored system that grows easily and economically to meet your expanding film and video storage requirements.

Address inquiries to: Henry R. Hery, Deputy Director of Sales, the address above.

Posso S.A., B.P. 304 F75624-Paris Cédex 13 Tel. 588.31.56

Since its establishment in 1885, the Posso Co. has specialized in manufacturing items for the photographic, cinematographic, tape and computer industries, including metal slides for plates, photographic film spools and cassettes, camera and movie film projection spools, spools and containers for magnetic tape in all its applications, audio, video and computer tape, disc packs for computer systems and all kinds of cassettes in their latest applications. Other of the firm's products include cartridges for Kodak and compatible-type projectors, compatible compact cassettes, microfilm cartridges and cassettes for audio-visual systems. With its four European plants (two in France, one in Switzerland, one in Germany) the Posso Group is able to meet the steadily increasing demand of customers all over the world and to offer them a reliable supply service by using top techniques. The Posso Co. started on an artisan level; it is now at a leading rank of international importance and looks now, more than ever, confidently into the future.

Address inquiries to: address above.

PSC Technology Inc., 1200 Grand Central Ave., Glendale, CA 91201 (213) 245-8424

Acme Products Div. of PSC manufactures and markets a full line of motion picture optical and special effects printers. Its major products include the Acme Miniprinter, Acme Model 102, 103, 104, 104C, and the PSC C/Kit, a bi-directional drive for Bell & Howell Model C printers. These printers are used throughout the world by special-effects houses and precision laboratories. PSC manufactures a full line of special effects accessories, additive color light sources, sensitometers, and the Acade-

my Award winning Acme Series 100 Liquid Gate. The Photo Instrumentation Div. manufactures and markets high precision film transports and movements, 8mm, Super 8mm, 16mm, 35mm and 70mm for projection, printing and instrumentation. A full line of film viewers and analyzers including the PVR, VR100, Model 705, automatic readout devices, vesicular film duplicators and oscilloscope cameras.

Address inquiries to: D. E. Stults, at the address above.

RCA, Commercial Communications Systems Div., Front and Cooper Sts., Camden, NJ 08102 (609) 963-8000

Commercial Communications System Div. is a major operating division of RCA with plants in Camden, N.J.; Gibbsboro, N.J.; Meadow Lands, Pa.; Burbank, Calif.; and Jersey Isle, Channel Island, England. It is a leading developer and supplier of technical equipment for the TV broadcast and motion-picture industries in the United States and overseas. CCSD products include a full range of color TV broadcast and closed-circuit cameras, television film systems, TV tape recorders, switching and control equipment, transmitters, antennas, and related products. The film recording activity, based in Burbank, provides magnetic and optical sound-on-film recording equipment and automatic dialog replacement systems. As part of its Camden plant complex, CCSD operates a TV equipment demonstration studio for visits by television industry managerial and technical personnel and an 82-acre site for engineering and testing RCA broadcast antennas.

Address inquiries to: J. E. Hill, RCA Commercial Communications Systems Div., Bldg. 2-2, Camden, N.J. 08102

Redlake Corp., 2991 Corvin Dr., Santa Clara, CA 95051 (408) 739-3034, TWX 910-339-9241

The Photo Instrument Div. of Redlake Corp. manufactures and markets high-speed cameras, pulse cameras, projectors and accessories. The cameras include the Hycam, Locam and Stalex (all 16mm) and the 35mm Hytax. In addition, it manufactures and markets video disc recording equipment. The Hycam, available in three models (100-ft, 400-ft, and 2000-ft capacities), uses the rotating-prism principle with high-efficiency antireflection coatings to attain maximum picture quality. The Locam includes models of 200-ft and 400-ft capacities. It is available in ac and dc versions. The Locam is an intermittent, pin-registered camera with infinitely varying sampling rates from 8 to 500 pictures/s. It is also available in a pulse/cine version, with pulse rate 0-15 per second from external or internal intervalometer. Above the pulse rates it operates in a cine mode to 200 pps. The camera is compact and lightweight with solid-state electronic speed control. The Stalex uses a two-sided prism for image compensation of the continuously moving film, achieving sampling rates of 50 to 3000 picture/s under severe conditions of high acceleration, shock, vibration and temperature. The Hytax (35mm) is a continuous recording camera, completely self-contained. It provides electronic regulation over its full recording range of 30 to 250 ft/s. The video disc recording equipment records at speeds up to 60 sharply defined images per second, and when used with a high-frequency pulsed strobe light, will record at the frequency of the strobe, thereby stopping motion at speeds up to several thousand r/min. The Redlake Video Disc Record/Playback System for Medical Applications is used by the radiologist or surgeon to display kinetic events for radiological study. The operator has immediate access to the data for study via instant replay. The advantage of the Redlake Rad-Vip system over comparable tape systems is the field-by-field replay capability, which provides both stop action and slow-motion, as well as real-time replay.

Address inquiries to: the address above.

Reeves Teletape, Teletape Corp., 708 Third Ave. New York, NY 10017 (212) 573-8600

Reeves Teletape offers complete facilities in production, post-production and distribution services to the television broadcast and non-broadcast industries. Production services include: broadcast-quality studio and location shooting; production equipment leasing; and complete creative services. Post-production services include: two-unit broadcast quality Editec, CDL computer editing, CMX on- and off-line computer editing, one-inch off-line electronic editing; film-to-tape transfer from 8mm, 16mm and 35mm Densichrome and color-corrected to broadcast or non-broadcast video-tape formats; Reeves Teletape Videofilm tape-to-film transfers; complete audio recording and mixing, Electronic Post Synchroniza-

tion. Duplication and Distribution services include: All Quad and Helical formats, cassettes and cartridges; customized network distribution design and management; special inventory tape return, studio design and consultation. Hardware rental, lease and sales. Corporate communications services.

Address inquiries to the above address.

Research Products, Inc., 6860 Lexington Ave., Hollywood, CA 90038 (213) 461-3733

Research Products, Inc., has added to its line of precision-built special-effects equipment Model 2101 Aerial-Image Optical Printer. Model 2101 features a completely electronic printer drive and an operator-oriented central control panel from which all printer functions can be accomplished by setting the appropriate switches. Directly mounted to the camera and each projector head are 72-pole stepping motors to replace involved gear trains, providing vibration-free operation and eliminating inertia-caused flash frames. The field-proven electronic circuitry makes the equipment virtually maintenance-free. Electronic controls have also been applied to a new automatic dissolve mechanism and an automatic skip-frame programmer. A dependable automatic zoom gives up to four times enlargement or 8 times reduction, continuous. While Research Products continues the manufacture of its modular-drive mechanical printers, it can guarantee that the replacement of hundreds of mechanical parts in the electronic-drive models will assure the lowest prices in the industry on quality special-effects equipment. All printers feature Acme components in the super-8, 16-, 35-, and 70-mm formats. Also available are models incorporating the Bell & Howell additive light source, art-to-film aerial-image units, registration contact printers, matte-shot printers, and animation slide-film stands. Exclusive with Research Products are the facilities of its associate company, Cinema Research Corp., providing demonstration under the supervision of some of Hollywood's most experienced effects specialists. Operator training for the equipment purchaser is an optional service. Quotations on custom-designed equipment for specific needs can be furnished on request.

Address inquiries to: Harold A. Scheib, President, at the address above.

Rhoads Industries Inc., 10541 Ashton Ave., Los Angeles, CA 90024 (213) 879-1708

Rosner Television Systems, Inc., 250 W. 57th St., New York, NY 10019 (212) 246-3967

Rosner Television Systems, Inc., is a management consulting and engineering services firm in television and communications. The firm is engaged in communications system planning, specification, design, fabrication, assembly, installation, checkout, operation and maintenance. The projects completed cover the range of television broadcasting facilities, industrial and government management communications systems, videotape commercial production facilities, education television facilities, office projection and television monitoring facilities, and closed-circuit television systems, CATV systems. The scope of these projects has included financial, management and design studies as well as turnkey installations.

Address inquiries to: I. S. Rosner, at the above address.

Charles Ross, Inc., 333 W. 52 St., New York, NY 10019 (212) 246-5470

Charles Ross, Inc., founded in 1921, is the East's only lighting specialist. A complete inventory of the very latest lighting equipment, grip equipment, props and generators are available for rentals and sales. A fleet of generator trucks is maintained for rentals. A full-service machine shop is maintained for equipment repairs. The company is Greater New York's sole distributor for Mole-Richardson Co. products.

Address inquiries to: the address above.

L. B. Russell Chemicals, Inc., 14-33 Thirty-first Ave., Long Island City, NY 11106 (212) 721-8900; California Branch: 5888 Smiley Dr., Culver City, CA 90230 (213) 870-7773

L. B. Russell Chemicals was established in 1949 and since that time has engaged in research, manufacture, and sale of photographic and graphic

arts chemicals for both color and black-and-white film processing. One of its principal areas of activity is in the motion-picture laboratory where not only does it supply chemicals, but also renders technical assistance in photographic chemistry as a complementary service. L. B. Russell Chemicals' main plant is located in Long Island City, N.Y. The firm has branches in California and Mexico City.

Address inquiries to: Sales-Service Department, at the New York address

Russell Film Laboratories, 4805 Lenox Ave., P.O. Box 6938, Jacksonville, FL32205 (904) 389-2316

Russell Film Laboratories, founded in 1953, offers complete laboratory services for the completion of motion pictures. The major services offered include: Processing 16mm Ektachrome ECO and EF type films; printing and processing Ektachrome prints, release prints and masters; printing and processing 16mm color internegative and positive prints; printing and processing 16mm black-and-white negative and positive prints; 16mm black-and-white reversal printing and processing; super-8 black-and-white reversal processing. Complete sound services include 16mm RCA optical recorder; 16mm Amega recorder and dubbers for recording and mixing. Fully equipped editing rooms available for rental.

Address inquiries to: Gerden O. Russell, President, at the above address.

Ryder Sound Services, Inc., 1161 No. Vine St., Hollywood, CA 90038 (213) 469-3511 and Ryder Magnetic Sales Corp. 1147 No. Vine St., Hollywood, CA 90038 (213) 469-6391

The firms serve the motion-picture and television industries. The service organization, Ryder Sound, rents magnetic sound-recording equipment, wireless microphones, bullhorns, microphone booms and all accessories necessary for production; transfer facilities for providing magnetic sound track dailies; scoring, narration recording facilities and re-recording studios to provide magnetic masters and optical negatives for release prints. Services are available for 35mm and 16mm film. All studios are equipped with the latest backward-forward, Reverse-O-Matic dubbing systems. Dialogue replacement facilities are computerized, eliminating loop construction. Facilities are also designed for use by producers of TV commercials, industrial, educational and religious films. Ryder Magnetic Sales Corp., sells the complete line of Nagra synchronous monaural and stereo recorders and accessories some of which they manufacture. Company is also a Nagra recorder factory service center. Also sells Sela production mixers, various synchronizing equipment, such as synch generators and transformers plus microphones and fishpoles. Brochures and price schedules available on request.

Address inquiries to: the addresses above.

Schneider Corp. of America, 154 Lodi Street, Hackensack, NJ 07601 (201) 343-3939

Our primary business activity is to market and provide technical, design and engineering support in optics, optical systems and sub-systems for O.E.M. of electronic, office copier, microfilm, bio-medical, industrial, graphic arts, theater projection, M.P. Camera, CCTV and other specialized and photo products. The Schneider Corp. of America is a subsidiary of the Joseph Schneider Co., Bad Kreuznach, Germany, and we are the American representatives for Schneider, Isco, Kollmorgen, and Goerz lenses.

Address inquiries to: The address above.

Showchron America Corp., 9701 Wilshire Blvd., Beverly Hills, CA 90212 (213) 273-8740, 272-7856

Showchron America Corp. is a marketing, sales service and design organization for professional audio-visual systems. The heart of the expandable 16mm Showchron editing system is its proprietary "Single-Sprocket Drive" for picture and sound. This innovative film-transport system simplifies and speeds film handling and reduces film damage. Showchron's President, Peter Bergman, noted that the Showchron Eight-Plate is the first eight-plate console of American design and manufacture ever introduced. The products presently being marketed are manufactured by the Honeywell Company's Marine System Div. All Showchron products are covered by the Honeywell 1-year warranty and are drop-shipped from Seattle to Showchron customers.

Address inquiries to: Garey Lundberg, National Sales Manager, at the above address.

Singer Education Systems, 3750 Monroe Ave., Rochester, NY 14603 (716) 586-2020

Singer Education Systems, formerly the Graflex Div. of The Singer Co., has established itself as one of the nation's leading manufacturers of audio-visual and photographic equipment since the company was founded in 1928. Singer has set a standard for excellence in 16mm motion-picture projectors with models in its 16mm line, including high-brilliance arc projectors and combination optical/magnetic units designed for both business and education. The Insta-Load line of projectors combines the best features of automatic and manual threading of projectors. The Insta-Load may be simply unthreaded during any point in a program and the film may be rewound without removal from the film path. Insta-Load SL Models feature fast-forward and fast-rewind for rapid previewing of films. A unique film footage indicator allows returning to key segments of a film in seconds. A complete line of rear screen filmstrip projectors, the Study Mate Family featuring the Auto Vance III with a larger screen size, has added a new dimension to individual or small group instruction. The all new Caramate adds a new versatility to rear screen presentations. Its synchronized sound slide system and record-playback capabilities allow greater versatility to slide presentation. Units from viewers to synchronized cassettes and filmstrips offer versatility to any presentation equipments. Other audio-visual equipments range from filmstrip and slide projectors to projection screens to systems for synchronizing motion pictures for television presentation. The Singer Projection Reader and Projection Reading Programs are intended especially for educators who need specialized equipment and materials for the teaching of reading. A new rear screen projection reader, Reader Mate, gives the opportunity for individualized reading instruction. Singer also is a designer of total audio-visual environments ranging from complete theaters to conference rooms and lecture halls.

Address inquiries to: David Park, at the address above.

Southwest Film Laboratory, Inc., P.O. Box 21328, 3024 Ft. Worth Ave., Dallas, TX 75211 (214) 331-8347

Since 1950, offering complete 16mm processing and completion services for industrial, commercial, scientific, educational, medical and religious film producers. Daily processing of all Ektachrome original and work prints. Silver track 7389 and 7390 composite prints. Loop printing of short or long length subjects. Featuring Triad color additive printing introduced in the mid-1950's, with 13 inter-mixed fade lengths. Exclusive exposure control systems assure consistent quality in color prints. In 1973, SWFL added a new Magnatech sound mixing and scoring facility with a 10-channel Quad-Eight mixing console and (2-channel) stereo magnetic 16mm re-recording, a "first" for 16mm producers. Optical tracks and Electro-printing on the Westrex recording system; 1/4-in. sync tape record-playback with Scully recorders and RCA 16mm magnetic recording equipment. A 20-seat interlock preview theater is available for use by editors and producers. Optical mastering, freeze frame, reverse action, skip frame and multiple frame 16mm optical printing using Triad additive optical printer. Located 3.5 miles west of downtown Dallas and housed in a 16,400 ft.² masonry structure, fully sprinklered, with film storage vaults. Off-street parking for customers and employees on 1 1/4 acres of land.

Address inquiries to: Jack Hopper, Raymond Bradford or Jim Tally, at the above address.

S.O.S. Photo-Cine-Optics, Inc., (a Div. of F&B/Ceco, Industries, Inc.), 315 W. 43rd St., New York, NY 10036 (212) 586-1420; 7051 Santa Monica Blvd., Hollywood, CA 90038 (213) 466-9361

S.O.S. Photo-Cine-Optics, Inc., founded in 1926, is located in midtown Manhattan and also maintains a modern showroom and offices in Hollywood to serve 13 western states. Well-known as "The Department Store of the Motion Picture and Television Industry," the firm stocks thousands of items of professional equipment for producing, processing, recording, lighting, animating, testing, handling and exhibiting motion pictures. The firm has a catalog which has a fully comprehensive coverage of the industry. In addition to the sale of all types of equipment, the firm maintains a specialized rental service, having pioneered in the field of leasing. Expert technicians service and rebuild all types of equipment under the guidance of the engineering staff. The Engineering Dept. also offers facilities for research and development and specialized custom engineering. Products

sold under the S.O.S. Tel-Anima label include: animation equipment, hot-press tilting machine, special-effects title stand, film-cleaning machine, magnetic-stripping machines, viewers, sound readers and mixers, and optical printers. The firm is a distributor for the most famous lines in the industry, including many equipments of foreign manufacture on an exclusive basis.

Address inquiries to: the address above.

Strand Century Inc., 20 Bushes Lane, Elmwood Park, NJ 07407 (201) 791-7000

Strong Electric, Holophane Div., Johns-Manville Corp., 87 City Park Ave., P. O. Box 1003, Toledo, OH 43697 (419) 248-3741

Strong Electric has specialized in the design and manufacture of various types of motion-picture projection lamphouses and rectifiers since 1926. Other types of lighting equipment manufactured include follow spotlights, slide projectors, architectural lights, searchlights, and graphic arts process lighting utilizing either carbon arc or xenon short arc sources. Facilities are particularly adapted for design, development and production of specialized high intensity light projection systems.

Address inquiries to: Nelson Alexander, Marketing Manager at the address above.

Super 8 Sound, Inc. 95 Harvey St., Cambridge, Mass. 02140 (617) 876-5876

Super 8 Sound, Inc. was founded in 1972 and is engaged in manufacturing, distribution and retail sales of a complete line of Super 8 synchronous sound location recording, editing, studio and projection equipment. The Super 8 Sound Recorder, introduced in 1973, is a self-resolving sync recorder that uses full-coated Super 8 magnetic film. It is fully compatible with standard pilotone equipment and the new one-pulse-per-frame (1/F) digital sync standard. Other Super 8 location equipment includes cassette sync recorders, Super 8 Sound Crystal Camera Controls, and Super 8 Sound Silencers — lead-and-foam-filled barneys that reduce camera noise 6-8 dB. The Super 8 Sound Editing Bench is a double-system and single-system motorized editing facility incorporating differential rewinds and a sliding magnetic head assembly. Multi-channel recorders are available for super 8 studio sync work. The Super 8 Sound Double-Band Projector permits interlock screening and rock and roll dubbing. Super 8 Sound has assembled complete super 8 production systems ranging from under \$2,000 to \$18,000 and provides consultation to film schools, industrial and educational filmmakers, and television film units on their specific system needs. Other super 8 accessories include super 8 fullcoat magnetic film, the Super 8 Soundboom, a Crystal Sync Generator, an AC Sync Generator, the Photostart and projector sync modification kits. Super 8 Sound is a franchised dealer for Braun-Nizo, Canon, Elmo, Hervic-Beaulieu, Eastman Kodak, EPOI-Nikon, Sony/Superscope and many other film and sound equipment manufacturers, and is the world's largest single supplier of Super 8 sync sound equipment.

Address inquiries to: Julie Mamolen, National Sales Manager.

TV/Recorders, 6054 Sunset Blvd., Hollywood, CA 90028 (213) 469-8201

TV/Recorders, for the past 23 years, has been involved in the business of recording and re-recording sound for motion pictures and television. It is a signatory to the IATSE branch of the AFL-CIO basic agreement.

Address inquiries to: the address above.

Technicolor, Inc., Box 38-547, Hollywood, CA 90038 (213) 462-6111

Technicolor, Inc., through its Cinema Systems Div., including plants in Hollywood, N. Hollywood, Chicago, N.Y., London, & Rome, offers producers of motion pictures a complete laboratory service on a worldwide basis including facilities for processing "front-end work" and for the manufacture of 70mm, 35mm, 16mm, 8mm and super-8 release prints of theatrical, television and nontheatrical subjects. Through its Consumer Photographic Div., with processing plants located from Honolulu in the West to Massachusetts in the East, Technicolor offers a comprehensive service to amateurs for the processing of all types of amateur color film, including 16mm and 8mm cine products, slides and paper prints. Technicolor Vidronics Div. performs color tape-to-film transfer in 35mm,

16mm, 8mm and super 8, and complete video-tape post-production services. The Astrionics Div. manufactures high-speed electronic circuitry. The Commercial and Education Div. manufactures a line of 8mm and super-8 silent and sound portable cartridge-loading projectors.

Address inquiries to: the address above.

Technology Incorporated, HF Photo Systems Div., 11801 W. Olympic Blvd., Los Angeles, CA 90064 (213) 479-3941

The firm specializes in the development and manufacture of Houston Fearless film processing, handling, viewing and printing equipment, television support equipment and silver recovery systems. Other activities include the performance of government and industrial research and development contracts involving the design and manufacture of photographic and related electronic, mechanical and optical equipment to meet a variety of requirements.

Address inquiries to: Marketing Dept., at the address above.

Teledyne Camera Systems, 131 North Fifth Ave., Arcadia, CA 91006 (213) 359-6691

Teledyne Camera Systems pioneered the application of 16mm high-speed photography for space-age research. Milliken Pulse Cameras were standard equipment on all Mercury flights. Milliken High-Speed Cameras have been used on virtually all the nation's major aerospace programs and are currently used in Apollo/Saturn programs to observe launch, stage separation, chute deployment and many other critical functions. The company's cameras are also used in a large number of scientific, industrial and medical applications. Teledyne designs and manufactures high-speed motion-picture cameras, operating from 2 to 500 frames/s. These cameras employ an intermittent movement with register pin to provide studio-quality pictures at all speeds. They are designed to withstand severe environments. In addition to a broad line of cameras, the company offers a selection of accessory equipment including tripods, camera mounts, lenses, lens supports, tracking and viewing accessories and protective housings. The company also manufactures a unique television film recording camera, now being used by major networks in the United States and in foreign broadcast facilities. This camera completely eliminates the shutter bar problem and provides the rapid film transport required for optimum television film recording. Teledyne also manufactures a complete color video film recording system incorporating the fast pull-down camera. The company pioneered development in the field of airborne video film recorders. Teledyne has facilities for the design and manufacture of complete photographic systems, has developed and manufactured many special cameras for abusive environments, and provides a consulting service in the application of photography as an instrumentation tool.

Address inquiries to: R. J. Deterville, V.P. Marketing, or F. A. Rodgers, Sales Manager, at the address above.

Theatre Equipment Association, 1251 Ave. of the Americas, New York, NY 10020 (212) 246-6460

Founded in 1971, TEA is comprised of two separate membership divisions: a dealer division and a manufacturers division. It has a total membership of more than 100 companies serving the equipment and supply needs of theater owners throughout North America. TEA is governed by a President and a Vice President, each heading a separate division, plus a secretary, a treasurer, and 16 directors evenly divided between manufacturers and dealers. Purpose of the organization is to collect and distribute to its membership, the latest technical information (new theatre equipments, film processes, sound recording, projection practices, etc.) so that members can better serve the exhibitor and allied motion-picture fields, with late technical aides.

Address inquiries to: Mr. Jerry Sunshine, Executive Director, at the address above.

Tiffen Manufacturing Corp., 71 Jane St., Roslyn Heights, NY 11577 (516) 621-2700

Tiffen Mfg. Corp. offers a unique integration of prototype and production facilities used by the world's leading photographers and technical community. Among the various items produced are all standard colors and Special Effects filters including Diffusion, Star, Low Contrast, Split/Field lenses and Organic and Metallic Neutral Density filters. On call for your

every requirement is a large optical production department, modern vacuum coating department, extensive metal machining facilities and the world's leading scientific and optical color laboratory. A complete range of sizes and colors is available to fit all lenses and related equipment.

Address inquiries to: Nat Tiffen and Stan Ernenwein, at the address above.

Todd-AO, 1021 N. Seward St., Hollywood, CA 90038 (213) 463-1136

Todd-AO is a producers' service organization, offering to the producer Todd-AO which is a wide screen 70mm roadshow release with six-track sound. The company is divided into two main areas: Sound Studio and Camera Department. Todd-AO Sound Studio has three sound stages for servicing sound on all formats from 8mm to 70mm, both optical and magnetic, from single track monaural to six-track stereo sound offering all services from production to release printing. The camera department has a complete line of 65mm cameras, lenses and accessories required to photograph a feature in Todd-AO 70mm. A recent addition to the above equipment is a new Todd-AO 35 system for photographing features in 35mm. The Todd-AO 35 system produces standard anamorphic negatives from which release prints are generated in either 35mm or 70mm film gauge (the latter being an enlargement from the original).

Address inquiries to: Fred Hynes, Vice-President, at the address above.

Trans/Audio, Inc., 254 West 54th St., New York, NY 10019 (212) 265-6225

New York's post-production center, offering complete sound recording facilities including transfers, live studio recordings and mixing, as well as optical sound track recording, 16mm and 35mm edge numbering services and the rental of Steenbeck or Moviola-equipped cutting rooms. All sound recording studios are equipped for either 16mm or 35mm projection with "roll-back" and "pick-up" recording capability. The largest mixing studio, 24-ft X 40-ft has been equipped to allow the mixing of as many as 24 separate sound track elements consisting of varied combinations of single or multiple 35mm magnetic or 16mm magnetic sound tracks. This studio, primarily utilized for feature film mixing, is also used by the television, documentary and industrial film producer who requires this professional service.

Address inquiries to: John F. Vorisek or Mark Wortreich, at the above address.

Treise Engineering, Inc., 1941 First St., San Fernando, CA 91340 (213) 365-3124

Treise Engineering was organized in 1960. The company has pioneered the development of continuous film processors, utilizing glass fiber laminated plywood tanks. Processors of this type designed and built by Treise Engineering are operating in laboratories throughout the industry. Other than the complete line of developing machines and accessories encompassing temperature control equipment, soundtrack applicators, stainless steel Ott-Lovick squeegees, precision film sprockets and rollers, Treise Engineering offers a comprehensive engineering and planning service to those desiring modification and updating of existing equipment or assistance on complete laboratory layout. The engineering staff represents practical experience in all phases of laboratory operation and management, and acts as direct liaison between the company and the customer on all proposals or projects.

Address inquiries to: the address above.

Henry Ushijima Films, Inc., 600 N. McClurg Court, Suite 3701, Chicago, IL 60611 (312) 266-9191

President and Executive Producer of his own film company, Henry Ushijima has a background of Hollywood production, as well as a long list of documentaries, television and films for industry. Many of America's largest corporations are numbered among his repeat customers for industrial films. His film-making has taken him to Europe, the Far East and South America, and his films have won him international recognition for professional excellence. He is a Fellow of the Society of Motion Picture and Television Engineers, a member of the Board of Governors of the Academy of Television Arts and Sciences, and Chairman Emeritus of Chicago Unlimited, for which he has twice served as President.

Address inquiries to: the address above.

V & W Sound Transfers, Inc., 630 Ninth Ave., New York, NY 10036 (212) 757-5221

V & W Sound Transfers, Inc. is equipped not only to transfer sound from any medium to any other medium, but our modern air-conditioned studios have facilities for mixing (with backward and forward projection), narrations and screenings. Our negative tracks are processed by our own developing machine. We are designed to fit the requirements of editors, directors, producers and syndicators of commercial or theatrical motion pictures.

Address inquiries to: the above address

Wide Range Electronics Corp., 2119 Schuetz Rd., St. Louis, MO 63141 (314) 542-5366

Wide Range Electronics Corp. is best known for advanced-design film record/playback systems and a companion line of dubbing machines. The new W.R.E. electronic system, completely solid state, takes advantage of the latest technology in operational type amplifiers (widely used in computer equipment) to provide low-noise, minimum-distortion performance with maximum reliability. A W.R.E. unit may be equipped for 35mm, 17½mm or 16mm film. Quick-change film transport components make it easy to use the same machine with all three film sizes. Complete interlock systems with remote control including slow start units both single and 3-phase type are available and in stock. Pickup recording is available with selective record/erase. Wide Range Electronics film footage counters incorporate solid-state, integrated computer-type circuitry controlling digital readout lamps. A wide variety of optional features can be supplied. The famous Cinema type 9205A, 64421 and 8905 bulk degaussers are now manufactured by W.R.E., as well as complete line of capacitor, inductor, and resistive decade boxes. High-speed 8mm magnetic sound transfer consoles have been pioneered at W.R.E. and are currently in use at most major laboratories. WRE has acquired the optical sound recording portion of the J. A. Maurer Co. The complete line of Maurer equipment is serviced and spare parts, including pre-focused lamps are available. The F' Galvo is manufactured as well as complete optical recording systems. The Wide Range research and development laboratory custom-designs both magnetic and optical sound equipment to meet the most exacting requirements.

Address inquiries to: Mr. Otto Rauhut, President, at the above address.

Wilding (a Bell & Howell Co.), 4925 Cadieux Rd., Detroit, MI 48224 (313) 882-9166

Wilding Inc., producers of industrial motion pictures and television productions, offers an extensive marketing-oriented service in the area of business communications. In addition to, and in some instances related to, its film and TV productions, the firm produces slidefilms; printed materials, such as charts, bulletins, presentation books, etc.; recordings; slides; point-of-scale materials; and live shows. Services include arrangement of meetings, rental and sale of equipment, and training and supervision of projectionists. Motion picture and television production facilities are located in Detroit. Other facilities are located as follows: Southfield, Mich.; Inkster, Mich.

Address inquiries to: Robert F. Kohlrust, Vice-President/General Manager.

Gordon Yoder, Inc., 2840 Reward La., Dallas, TX 75220 (214) 357-3045 or 357-2725

Gordon Yoder, Inc. was originally founded in 1952 by Gordon Yoder to convert Cine Voice cameras to 400 ft and 1200 ft operation. Later, equipment sales were added and a number of products were developed for the TV News field: portable battery packs, shoulder pods, etc. In 21 years the company has shown continued growth and is now in its own 8000 ft² building, still modifying Auricons and producing various pieces of equipment. Service is foremost, including a factory authorized Canon Scoopic repair station; lens repairs using genuine Angenieux equipment and parts as well as Angenieux trained technicians; Auricon and Bell & Howell Filmo repair; also Arriflex repairs. Just now on the market is the new Yoder Crystal 16 Camera which was totally designed and built in our own shop, with the exception of the film centerplate, which is made by Bach Auricon. This is one of the new breed of lightweight crystal-drive cameras. Immediate delivery.

Address inquiries to: the address above.

Yokohama Cinema Laboratories, Inc., No. 22, Kuritaya, Kanagawa-Ku, Yokohama, Japan 045-321-5141 (Japan)

The Yokohama Cinema Laboratories, Inc., established in 1923 by R. E. Saeki, pioneered 16mm production in Japan. It later turned its efforts toward 8mm and succeeded in the production of 8mm optical sound in 1961. In 1965, it was the first to announce the Super 8 Optical Sound Film. Its main laboratory is situated in Yokohama with two branch laboratories in Tokyo. They are engaged mainly in the processing of TV films (shows, newsreels, commercials, documentaries, etc.), educational films and industrial films. The facilities and equipment are capable of 35mm, 16mm and 8mm color and black/white film processing, 16mm and 8mm optical and magnetic sound recording, all optical effects, 16mm and 8mm magnetic striping and video tape to film (color and black and white) transfer.

Address inquiries to: Yasuo Saeki, at the address above.

Zoomar, Inc., 55 Sea Cliff Ave., Glen Cove, NY 11542 (516) 676-1900

Since the day in 1947 when newsreel audiences were startled and thrilled by dramatic shots of the Dodger/Yankees World Series captured by the first zoom lens, the name Zoomar has been synonymous with progress in optics. Famed for pioneering in the field of varifocal optics, Zoomar Inc. of Glen Cove, N.Y., has produced many other firsts in the optical industry since that famous "Zoomar Lens" which revolutionized motion-picture and television techniques. The many military systems developed for combat photography and training devices during World War II were followed by the more sophisticated remote-controlled optical instruments required for use in today's technology. Based on the Zoomar Reflector lenses, which were the first mirror optics produced for long-range photography, the Dual Lens and 2N1 Tracking systems combined catadioptric with varifocal optics in instruments which operated simultaneously with motion-picture and television cameras. A recent unique system is the Zoomar Universal Tracking Combination, which can be used interchangeably for motion-picture, TV or visual observation, with optical and electromechanical components which can be assembled easily in the field. With the advent of the space age came new demands for optical systems for underwater photography, low light level observation and telephoto instrumentation. Zoomar met these challenges with new designs including the Zoomar Night Vision Scopes, and a series of Modular Hi-Speed CAT systems for use in infrared and visible spectrum ranges, and the Zoomatar LLL Lenses with focal lengths from 75mm to 250mm, *f*/1.3. In the field of closed-circuit television, Zoomar continued to develop the remote-controlled zoom lenses such as the ITV Mark III, IV, VI, XB-1 and XX lenses, with modifications and accessories to meet requirements for special applications. Having acquired the former Kilfitt factory in Munich, West Germany, during this period, the Zoomar expertise has been applied also to the production of high-quality, versatile lenses for commercial, scientific and amateur photography. These Zoomar products include the 40mm, 90mm and 300mm Macro Kilars, the 400mm and 600mm Sport Fern Kilars, and the 500mm and 1000mm Sport Reflectors. These macro and telephoto lenses can be used with all major 35mm SLR, 2¼-in X 2¼-in SLR, C-mount motion-picture and TV cameras. The Sport Fern Kilars, as well as the Sport Reflectors, are used extensively throughout the world for newsreel, wildlife and documentary photography. When varifocal optics for still cameras were a photographer's dream, Zoomar produced the first zoom lens for SLR cameras, the Voigtlander-Zoomar, 35mm to 82mm, *f*/2.8, followed by the Macro Zoomar, 50mm to 125mm, *f*/4 for 35mm SLR cameras. This year, the Rapid Focus Tele Zoomar will be introduced, 170mm to 320mm, *f*/4, for use with 2¼-in X 2¼-in SLR and 70mm motion-picture formats. Of highest optical quality, the new RFTZ has a unique mechanical configuration designed specifically for use in fast-action photography. During these years of achievement, the research and development programs have resulted in several high-precision testing instruments—the Zoomar Opticometer, T-Meter, Service Collimator and the MTF Meter. Keeping pace with the rapid advance in applications technology, the latest in Zoomar's innovative designs are the Zoomar Navigation and Surveillance System (NSS) and a complete line of Zoomar IR lenses for use with pyroelectric vidicon TV cameras and IR applications. The Zoomatar IR optics are germanium lenses designed for the infrared region from 2 to 14 microns.

Address inquiries to: the address above.