

tronic power supplies and control devices and numerous other products of operational value to motion-picture laboratories. Coupled with its own product line, Carter Equipment Co., Inc., distributes other items such as: Automatic Lumen Output Control systems, (ALOC), current sensing alarms, computerized tape punch systems, xenon projection systems, electronic timing devices, silver recovery and pollution abatement systems, Turcite bushings and bearings, processing squeegees, tape splicers, etc. In addition to new equipment, Carter Equipment Co., Inc., deals in, and performs special design and modification work to both new and used pieces of motion-picture equipment, i.e., wet printing modifications, format changes for super 8, etc.

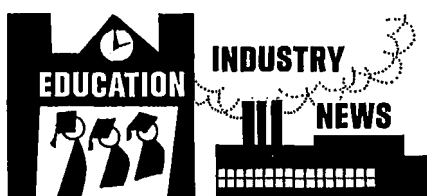
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Alan Gordon Enterprises, Inc., operating from a six-plant complex in North Hollywood, California, plus a center-of-Hollywood facility, is the world's leading source for every need in the motion-picture, aerial photo, photo instrumentation, microfilm and audio-

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The CMX 600, a new instant image access system that allows either videotape or film to be edited electronically with ease and a high level of artistic flexibility, has been developed by CMX Systems, a CBS/Memorex company, 635 Vaqueros Ave., Sunnyvale, CA 94086. The new system utilizes special video signal processing techniques to store discrete video frames on computer disc packs. CMX 600 consists of an editing console containing two side-by-side monitors and an audio speaker. The editor controls the instant image access with a light-pen, which he merely touches to the monitor to direct and edit. Also included, and usually located separately from the editing studio, are a control console housing the video signal processing circuitry, minicomputer and power supplies, and from one to 12 specially modified computer disc drives.

Shooting videotape for CMX editing requires only the prerecording of the newly standardized SMPTE Frame Code on the cue track. The code is solely for use by the minicomputer. Film editing is on a frame and footage basis, also handled by minicomputer. As the good takes are unloaded into the CMX600 system, the scene codes are entered into the minicomputer memory. The editor is not concerned with the frame code but only with his annotated script. The righthand monitor is interactive by light-pen command. During editing all of the editor's instructions are stored by the minicomputer on a frame code basis. At the completion of the editing process, these are transferred to digital tape which serves as the instruction to automatically produce the finished air tape. For film negative cutting, the minicomputer prints out a complete instruction list in English and frame numbers.

The system will be described in a one-hour lecture on April 30th during the two-day Symposium on Motion-Picture and

Vidiotape Production Techniques at the Society's Technical Conference. The authors are William H. Butler, General Manager of CMX Systems, and Joseph A. Flaherty, Jr., General Manager, Engineering and Development, Columbia Broadcasting System.

The New York University School of Continuing Education, 2 University Place, New York, NY 10003, will hold a conference on video cassettes May 12-13. Sessions will cover the nature of the new medium; its production, economics and distribution, programming for business and education, and copyright, proprietary and union problems.

The National Industrial Television Assn. will hold its first 1971 General Meeting May 22-23 in New York. The meeting will include panel discussions, workshops and seminars. Further information is available from National Television Assn., P.O. Box 262, Maplewood, NJ 07040.

The University of Southern California, Div. of Cinema, University Park, Los Angeles, CA 90007, has announced that the special summer program in cinema for seniors and graduate students (*Journal*, p. 46, January 1971) will be held June 21 through July 30 and not June 27 through Aug. 7 as previously announced. The program will consist of a seminar in motion-picture business, a film workshop and a course on the history of motion pictures.

The gift of the Mervyn LeRoy-Sol Lesser collections of historic motion-picture devices and memorabilia to the University of Southern California was celebrated on Feb. 28 by a reception sponsored by USC's Division of Cinema and Friends of the Libraries. The collections include early examples of the "magic lantern" projectors, professional and amateur motion-picture cameras and home projection devices. Other items relate to the long and distinguished careers of Mr. Lesser and Mr. LeRoy, including Academy Award Oscars won by them, still photos, scripts from their files and other items.

Mr. Lesser began his career in 1907 as an operator of motion-picture theaters in San Francisco. He was a co-founder of the Motion Picture Producers Assn. He won an

Academy Award in 1951 for his production of *Kon Tiki*. In 1961 he received the Jean Hersholt Humanitarian Award. Since 1968 he has been an adjunct professor in USC's Department of Cinema. Mr. LeRoy began as a child actor and his career as director and producer started in 1928 with the First National Studio production, *No Place To Go*. In 1945 he won an Academy Award for *The House I Live In*, a film he produced with Frank Ross.

Rensselaer Polytechnic Institute, Troy, NY 12181, is offering a course in Color Technology for Management (July 8-9) and Advanced Color Measurement (July 19-23) in addition to the course on Principles of Color Technology (July 12-16) (*Journal*, p. 122, Feb. 1971). Color Technology for Management is designed to aid executives responsible for research, production or sales of colored products. Advanced Color Measurement is a laboratory course limited to 12 students. Qualifications are two or more years experience in instrumental color measurement or a shorter period of experience plus completion of the course on Principles of Color Technology or an equivalent course. All three courses are under the direction of Fred W. Billmeyer, Jr., Professor of Analytical Chemistry.

The 25th annual Calvin Workshop was held Feb. 1-3 in Kansas City, Mo. One of the speakers was Frank Havlicek, Manager of Program Material for Motorola Teleprogram Center, 4501 W. Augusta Blvd., Chicago, IL 60651, who told an audience of several hundred audio-visual executives that EVR and other cassette television systems would expand opportunities for producers. "Producers still create programming on film or videotape which will be transferred to cassettes; the difference will be in marketing and distribution," he said. Motorola Systems manufactures and markets the EVR Teleplayer under license from CBS Laboratories. Mr. Havlicek said that Motorola is interested in working with producers in creating original films relating to educational, industrial and governmental markets.

Medikinale Marburg 71, an exhibition of medical films, will be held July 1-4 at Marburg, Germany. Sponsors are the



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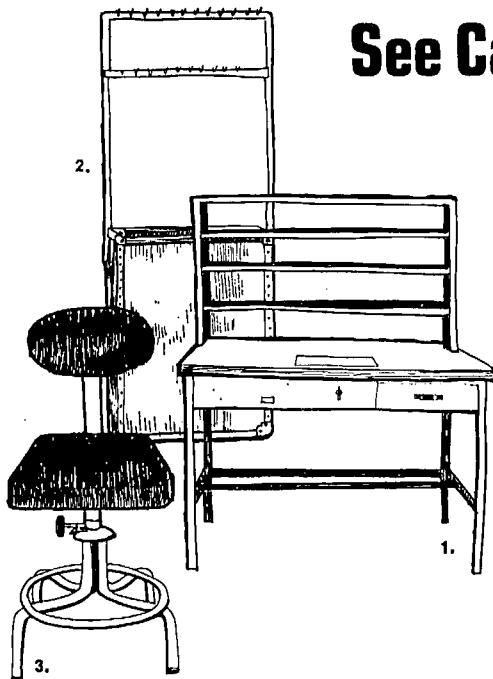
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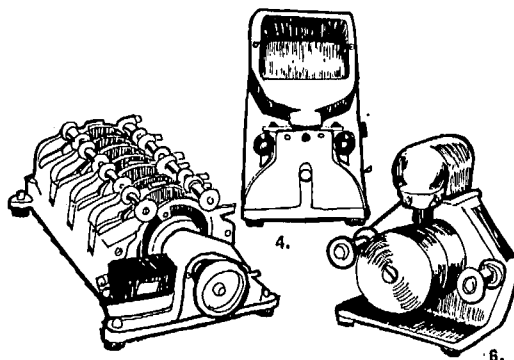
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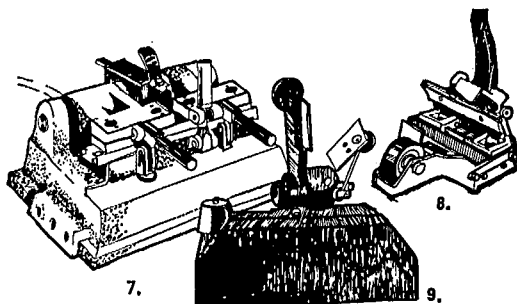
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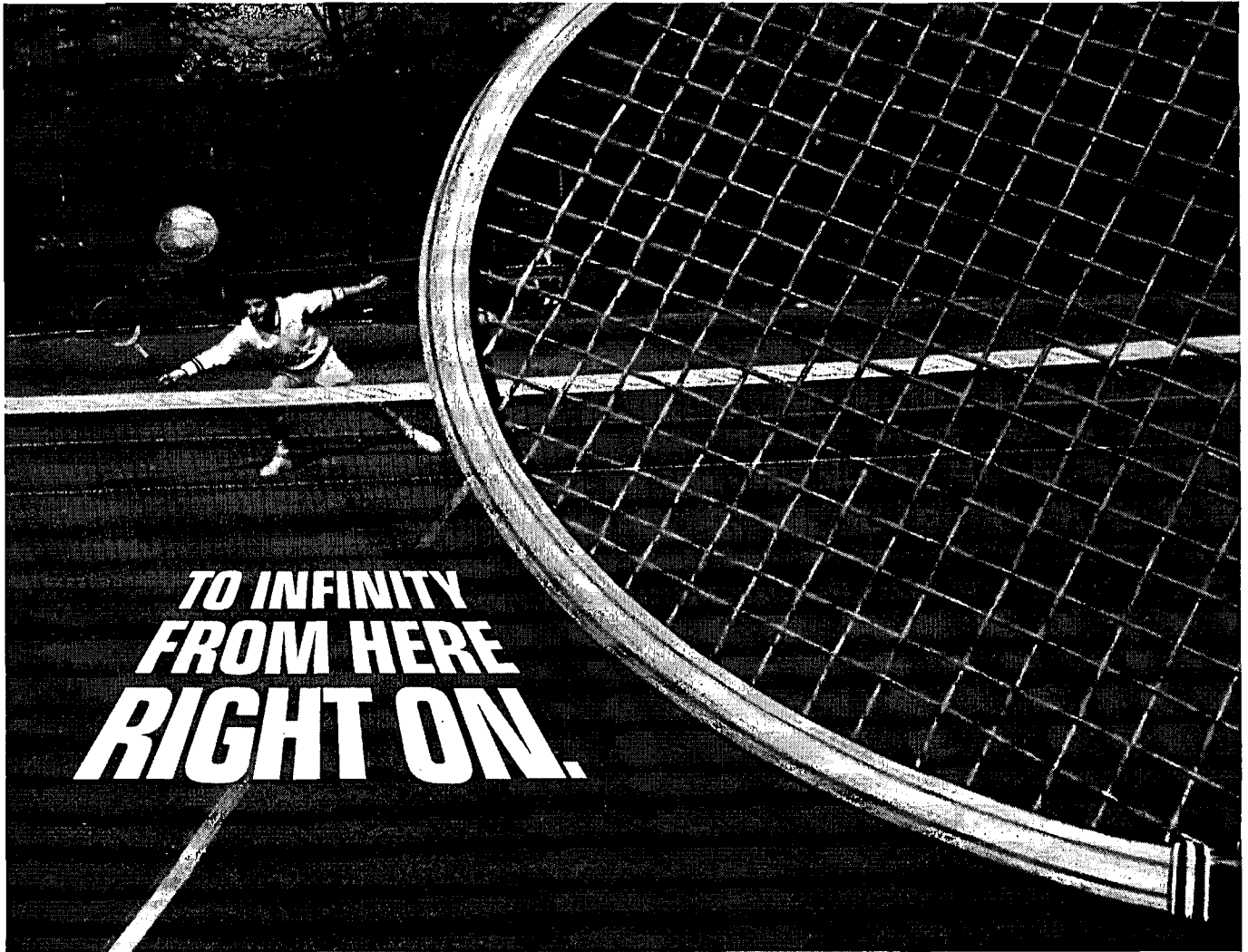
International Green Cross, Geneva, and the German Green Cross, Marburg. Prizes (the seal of the City of Marburg in gold, silver and bronze) will be awarded to the best films in each of five categories: Clinical or Scientific Short Subjects; General Films of Information; Specific Films of Information; Popular Scientific Films and Films of Representation. The program will include lectures and demonstrations. Further information is available from Medikinale Marburg 71, 355 Marburg/Lahn, Schuhmarkt 4, Germany.

The first international conference for the cartridge TV, videocassette and video-record industries will be held Apr. 19-23 in Cannes, France. The conference is sponsored by Billboard Publications and VIDCA. More than 70 companies from a dozen countries will exhibit equipments. Papers will be presented at nine sessions. Further information is available from VIDCA-Billboard Conference, Suite 900, 300 Madison Ave., New York, NY 10017.

The 10th anniversary of the opening of the Shiela Theatre 70 in New Delhi, India, was celebrated on January 22 at ceremonies attended by Indian officials and personages of the motion-picture world. The Shiela is the first theater in India designed to show 70mm films. Chief Consultant in designing the theater was Ben Schlanger, world authority on motion-picture theater and auditorium design (*Journal*, p. 1030, November 1970).

The possible effect that videoplayers (video cassettes) may have on the incomes of composers and music publishers has been studied by National Music Publishers Assn., 110 E. 59 St., New York, NY 10022. In a report on the findings of the study, it is noted that a "well-known market research firm" predicts that by 1980 the worldwide equipment market for videoplayers may reach \$2 to \$4 billion. The report suggests that "If video cassettes should become popular for use in the home, the size of the television audience would probably be reduced with a resulting decrease in advertising revenues. Such a decline would, in turn, probably result in a decrease, possibly a very substantial decrease, in performance fees paid by television stations and networks. The report discusses possible approaches to meet this situation, such as an additional flat fee for video cassette rights or special royalties, such as a percentage of rental income, a percentage of the wholesale or retail price or of gross revenues, and other approaches to the problem. The report also discusses other aspects of licensing, including the incompatibility of various cassette systems, the question of rental and leasing programs, the susceptibility of various systems to piracy and the relationship between the program producer and the manufacturer or distributor of the hardware system.

Agana, Guam, has a new educational television station, KGTF, constructed of used and surplus materials. The station in Agana was constructed for the Guam Educational Telecommunications Commission by Ed Ries and Associates, 414 N. Alfred St., Los Angeles, CA 90048. The 5-kW VHF station was completed within four weeks after delivery of the equipment



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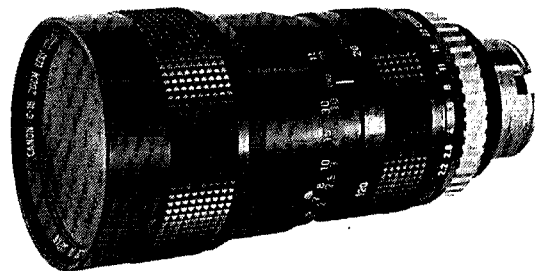
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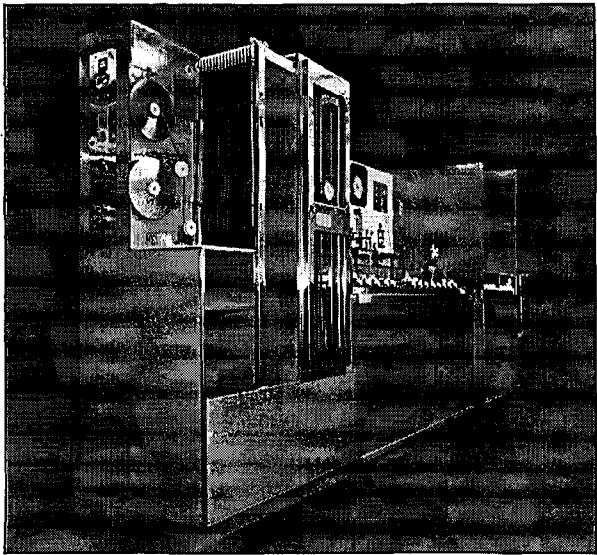
to Guam, it was announced. The equipment included transmitter, antenna and related equipment, two videotape machines, studio cameras with associated equipment, maintenance test equipment and studio terminal and monitoring equipment. The firm is also using used and surplus equipment for stations being built in Peru, Africa and the Philippines.

A camera report sheet for filmmakers has been devised by Bebell & Bebell Color Laboratories, Inc., 416 W. 45 St., New York, NY 10036. It is a printed form, 7 by 4 in, to record in triplicate the name of the customer, film title, production number, director, cameraman, roll number, sheet number, camera number and film type. Columns are arranged to record the scene number, take number, sound number and footage. There is also space for instructions to the laboratory and other information. It provides, in a compact form, an accurate record of the original filming.

A miniature wireless color TV camera, the Minicam Mark VI, developed by CBS Laboratories, High Ridge Rd., Stamford, CT 06905, was used in the live telecast from a U.S. Navy helicopter of the splashdown and recovery of Apollo 14 astronauts on Feb. 9. The live close-up pictures were beamed by a microwave link to the USS New Orleans and then by satellite to transmission stations throughout the world for home viewing. The camera, which weighs less than 20 lb, uses computer techniques to strengthen video pickup. The Minicam Mark VI was described in a paper by Renville H. McMann, Jr., and Richard G. Streeter, "A Digitally Controlled Miniature Color Camera," in the November 1969 issue of the *Journal*.

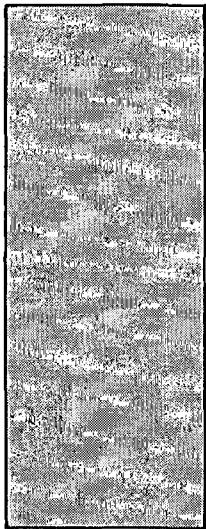
The first product from a new company, Shotec, Inc., Clearlake Oaks, CA 95423, is a fluorescent lantern with an electronic brain to protect batteries and lamps. Other products now under development are specialized lenses, an advanced oscilloscope camera, a motion-picture film viewer and an infrared surveillance system. Founders of the company are Robert D. Shoberg, President, Milton Laikin, Vice-President, and John T. Shoberg, Production Manager. Robert D. Shoberg was founder of Red Lake Laboratories. He has also been associated with Beckman & Whitley and with Fastax. The new firm occupies a 3,500 ft² plant.

An environmentally oriented computer that helps photo processors manage plant wastes so they meet community requirements was described by Thomas J. Dagon of the Photographic Technology Div. of Eastman Kodak Co. at a meeting of the Computer Systems Assn. in Rochester, NY. Regulatory agencies have set up regulations requiring all industries, including processing laboratories, to identify the characteristics of their effluents. Mr. Dagon explained that computations must be made for as many as 80 chemicals in each process and as many as 25 different processes may be operated by a single processing laboratory. Concentrations of each chemical must also be calculated when all the processing effluents are mixed together and the calculation is further complicated because laboratories run individual ma-

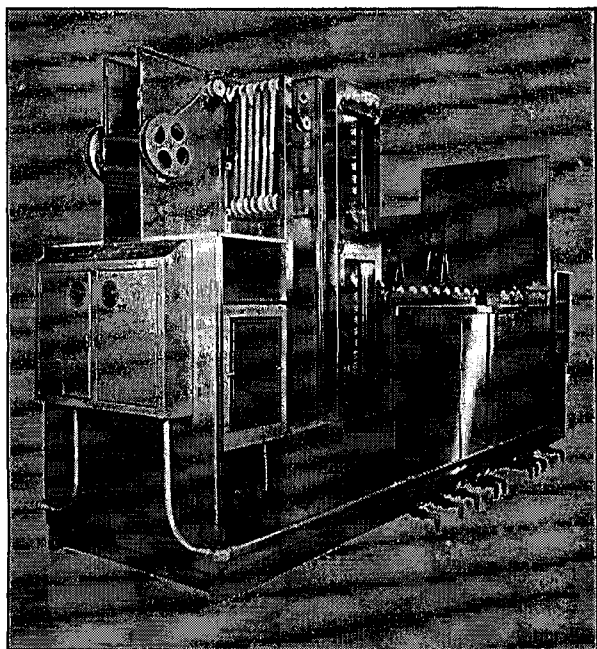
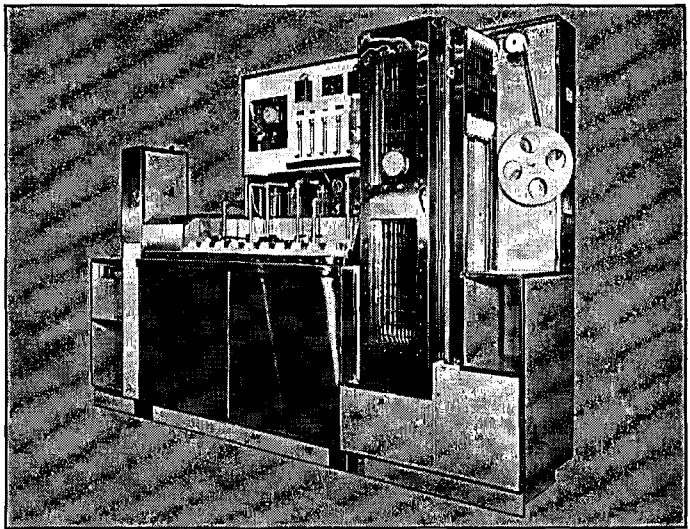


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chines on different schedules and may vary replenisher rates for each solution. To provide a report on weights or concentrations of specific chemicals emitted daily, the laboratory manager fills out a questionnaire that describes his process fully, including number of machines, kinds of processes, hours of operation and other pertinent information. This information is fed into a computer that identifies milligram per liter quantities and composition of chemicals in the total effluent.

The Tokyo Shibaura Electric Co. (Toshiba) will manufacture EVR teleplayers in Japan and sell them in all countries except the United States and Canada, according to the terms of an agreement with the London EVR Partnership (*Journal*, p. 640, July 1970). Similar agreements have been entered into by Hitachi Ltd. and Mitsubishi Electric and The Partnership is negotiating with other leading Japanese companies. Toshiba operates 26 factories with more than 80,000 employees. The EVR Partnership (formed by CBS Inc., Imperial Chemical Industries Ltd. and Ciba-Geigy of Switzerland) has agreements with manufacturers and program distributors throughout Europe and in Great Britain. Teleplayers made by Rank Bush Murphy Ltd. are expected to be made available this year.

The name of Jam Handy Productions, the Detroit division of Teletape Corp., 321 W. 44 St., New York, NY 10036, has been changed to Teletape/Detroit. The Teletape Detroit Div. was established in May 1968 when Teletape acquired certain assets from

Jam Handy Organization. Teletape/Detroit specializes in business and industrial communications. Operations include planning, writing and distributing motion pictures and slide films.

The Finnish subsidiary of the Agfa-Gevaert Group has moved to new quarters at Espoo near Helsinki. The new buildings cover an area of 2,500 m² on different levels on a building site of 18,500 m², representing an investment of 2.3 Finnish Marks (28 million BF). Construction of a new office building which will cover an area of 2,500 m², will be started in 1972. Agfa-Gevaert headquarters are in Antwerp, Belgium.

All VPI services, The Directors Center and executive and accounting offices will be consolidated at the VPI Color Center, 410 E. 62 St., New York, NY 10021, it was announced by Sheldon Satin, President of VPI and The Directors Center. The VPI 57th Street Studios will be leased to Unitel, the announcement stated.

Dynamic Associates, 822 Airport Blvd., Burlingame, CA 94010, will represent 10 firms throughout 13 western states, it was recently announced. The firms are A. B. Dick Co., CBS Laboratories, Colorado Video, Commercial Electronics, Palmer Films, Recortec, Tele-Cine, Tracor, Video Devices and World Video. Dynamic Associates has represented firms in the aerospace instrumentation field and is expanding its facilities to the broadcastfield. John Baumann will be in charge of the new Broadcast Products Div.

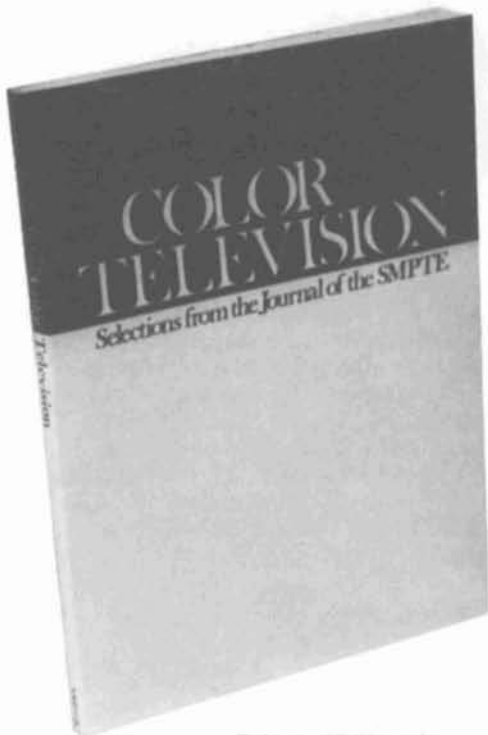
Birns & Sawyer, Inc., 1026 N. Highland Ave., Los Angeles, CA 90038, has established a motion-picture sales and rental facility in Israel, according to a recent announcement. In addition to other equipments, it is planned to maintain a number of location vehicles for filming throughout the Mediterranean. The *Filmovan (Journal*, p. 230, Mar. 1971) is now on location with El-Sol Productions in Israel.

R. A. Isberg has been made a Fellow of the Institute of Electrical and Electronic Engineers "for contributions to the engineering aspects of television broadcasting, and for leadership in demonstrating the important application of television techniques to university-level teaching," according to the citation. The IEEE has some 160,000 members of whom 123 were advanced to the grade of Fellow this year. Mr. Isberg is a communications engineer with offices at 1215 Henry St., Berkeley, CA 94709.

Syd Cassyd, founder and former President of the Academy of Television Arts and Sciences was the guest lecturer at the graduate seminar on the motion-picture producer conducted by Sol Lesser at the University of Southern California, Cinema Div., University Park, Los Angeles, CA 90007. Mr. Cassyd, who is West Coast Editor of *Box Office*, discussed motion-picture production for television, including finding of material, making of pilots, new ideas and marketing procedures.

Verne S. Mattison has been appointed Manager, TV Transmitter Product Man-

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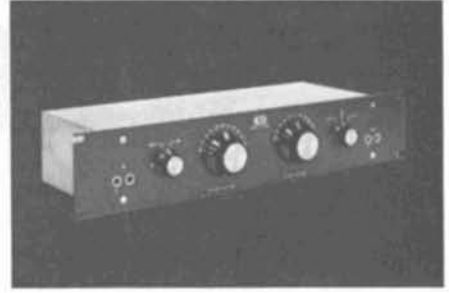
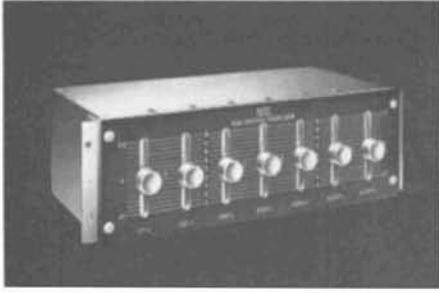
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agement for RCA Broadcast Systems, Camden, N.J. He has been with RCA Corp. since 1951. Prior to his present appointment he was Manager, TV Camera Product Management.

C. G. Holzapfel has been appointed Vice-President of Marketing of Teledync Camera Systems, 131 N. Fifth Ave., Arcadia, CA 91006. He has been with the firm since 1961. He was formerly supervisor of photographic services at Aerojet's Solid Rocket Propulsion Facility in Sacramento. Teledync Camera Systems designs and produces high-speed cameras and television film recording systems.

F. Russell Ide has been appointed Manager of Broadcast Operations for TeleMation, Inc., P.O. Box 15068, Salt Lake City, UT 84115. He was formerly Marketing Manager of Sarkes-Tarzian Broadcast Equipment Div. In his new post he is responsible for establishing and maintaining TeleMation broadcast accounts in the United States and Canada as well as coordinating broadcast sales with marketing divisions, branch offices and distributors and dealers.

F. Bruce Vernon has been appointed President of the Carbon Products Div. of Union Carbide Corp., 270 Park Ave., New York, NY 10017. He has been with Union Carbide since 1938 and served in various management positions at plant locations before moving to the New York office in 1960. He became Executive Vice-President in 1968.

James L. Jensen has been appointed Marketing Manager of the Video Systems Div. of Audiographics Corp., 7428 Bellaire Ave., North Hollywood, CA 91603. He will be responsible for all marketing activities for the division, including the development of a national dealer sales organization. The firm markets video products for educational and industrial training applications.

Philip H. Freeman has been appointed National Sales Manager for Arc Carbon Products for the Carbon Products Div. of Union Carbide Corp., 270 Park Ave., New York, NY. He will continue to make his headquarters in Chicago. He has been with Union Carbide since 1950.

Bob Burnett has been appointed head of the Chicago office of Acme Film and Videotape Laboratories, Inc., 1161 N. Highland Ave., Hollywood, CA 90038. He was formerly Senior Television Producer for the J. Walter Thompson agency in Chicago. He has also been with M.P.O. Videotronics in New York.

Lee C. Cobb has been appointed Sales Manager for the Chicago facility of Victor Duncan, Inc., 11043 Gratiot Ave., Detroit, MI 48213. Mr. Cobb will be in charge of the sales staff of the Chicago office at 155 E. Ohio St. He was formerly with Arriflex Corp. of America where he was Midwestern Technical Representative.

William D. Linsman has been appointed Film Production Manager for Combined Cinegraphics, a subsidiary of Combined Communications Corp., 1101 N. Central, Phoenix, AZ 85001. The firm produces films for TV sales and promotional films. Mr. Linsman was formerly with KTAR-TV in Phoenix.

Joseph T. Dougherty and John G. Rogers have joined the staff of Byron Motion Pictures, Inc., 65 K St., N.E., Washington, DC 20002. Mr. Dougherty was formerly with E. I. duPont de Nemours & Co., in Wilmington, Del. In his new post he will represent Byron Motion Pictures in the New York area. Mr. Rogers was formerly a Vice-President of DeLuxe General, Inc., in Hollywood and, more recently, General Manager of Technicolor Film Services of Chicago.

C. S. McCamy has been appointed Director of Macbeth Research Laboratories, Kollmorgen Corp., P.O. Box 950, Newburgh, NY 12550, it was announced by C. J. Bartleson, Vice-President for Research of Kollmorgen's Macbeth Research Laboratories. Prior to his present appointment, Mr. McCamy was Chief of the Image Optics and Photography Section of the National Bureau of Standards. Mr. McCamy has published many articles in scientific and technical journals and has participated in developing numerous national and international standards in optics and photography.

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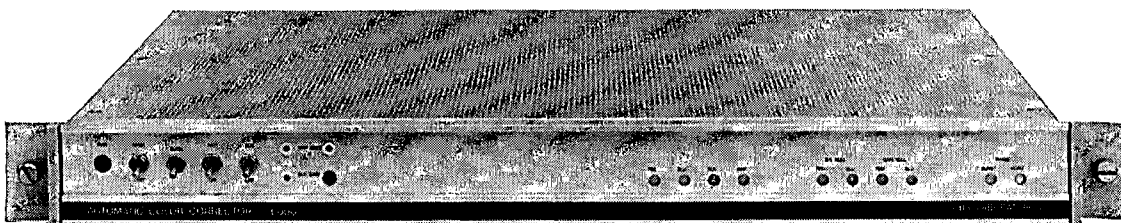
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