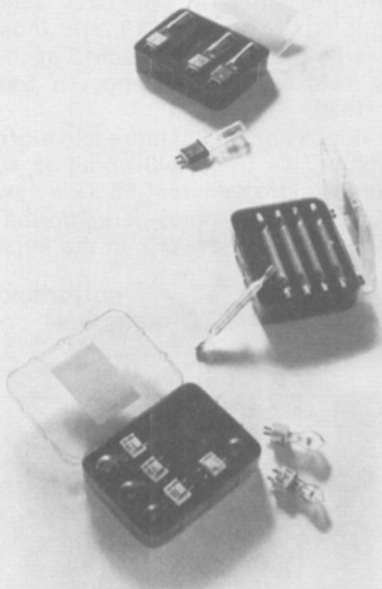


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# Industry News & Educational Activities

The 7th annual conference of the FK TG (Fernseh und Kinotechnische Gesellschaft e.V.), the German television and motion-picture association, will be held at Westfalenhalle, Dortmund, Germany, 17-21 September 1979. The principal emphasis of the program will be on the developing application of digital technology in television. Introductory papers on digital coding of picture and sound, transmission of digital picture and sound signals, and digital picture and sound recording, will be followed by additional papers to be included under the principal topic headings of video technology, film technology, broadcast and reception technology, and transmission technology. Detailed programs and transmission forms will be available in July. Further information is available from Georg Drechsler, c/o ZDF, Postfach 4040, 6500 Mainz, Federal Republic of Germany.

The 1979 ISCC Godlove Award was presented to Gunter Wyszecki at the annual meeting of the Inter-Society Color Council held in April. The Godlove Award is presented every second year for "outstanding contributions to the knowledge and use of color." The Award citation for Dr. Wyszecki stressed his 25 years of leadership in the field of color through the direction of research, publication, and national and international professional society activities.

RCA Laboratories has announced the development of a solid state laser that emits a single beam of monochromatic light that can be coupled into extremely thin optical fibers several kilometers long to carry computer, television, or telephone signals. The new RCA devices are said to reduce signal distortion over long distances because they emit purer light than conventional lasers and thus more of this light can be directed into optical fibers. Communications systems using the new lasers can transmit up to 500 million individual bits of information in a second, the announcement stated.

The power output of the RCA lasers, which operate at temperatures as high as 70°C, varies directly with the current input variations at power levels up to 25 mW at room temperature.

The new laser is made of the same material — aluminum gallium arsenide — as are other solid state lasers. But before the very thin electronically-active layers are laid down on the gallium arsenide substrate, pairs of adjacent dovetail-shaped channels are etched into the face of the substrate. Thus, the lasers are referred to as "double-dovetail" devices or, more technically, as Constricted Double-Heterojunction (CDH) diode lasers. After the dovetails are etched into the substrate, the electronically active materials are laid down, much as they are for conventional solid state lasers, by a process called liquid phase epitaxy. However, as these materials in their liquid state fill in the double dovetails, the resulting physical structure limits the output of the laser to a stable single beam and a single emission wavelength. This single-mode operation is a major reason why the lasers can be

coupled to very thin optical fibers at such efficiencies.

Newstime, United Press International's 24-hour audio/video cable news service, based on slow scan television equipment designed and built by Colorado Video, Inc., Boulder, CO 80306, provides satellite transmitted news around the clock, seven days a week, available to cable television subscribers at the push of a button. Newstime is distributed through the cable system by normal RF means but in a single frame format. The end result is that the viewer tunes to the appropriate television channel and sees a series of still pictures accompanied by a commentary.

A four-year project to design, operate, and evaluate a two-way cable television system in Rockford, Ill., has demonstrated that digital return communication from feeder lines is practical. The study, conducted by Michigan State University's Department of Telecommunications and Rockford Cablevision, Inc., under National Science Foundation funding, used a minicomputer-controlled switching and scanning system to provide automated, interactive instruction for Rockford firefighters in their own stations throughout the city. The final report concludes that a switched two-way system, which opened only small portions of the distribution plant to return communication sequentially, was effective in limiting return system noise and signal ingress. The report states that no extraordinary system maintenance would be required for the two-way communication.

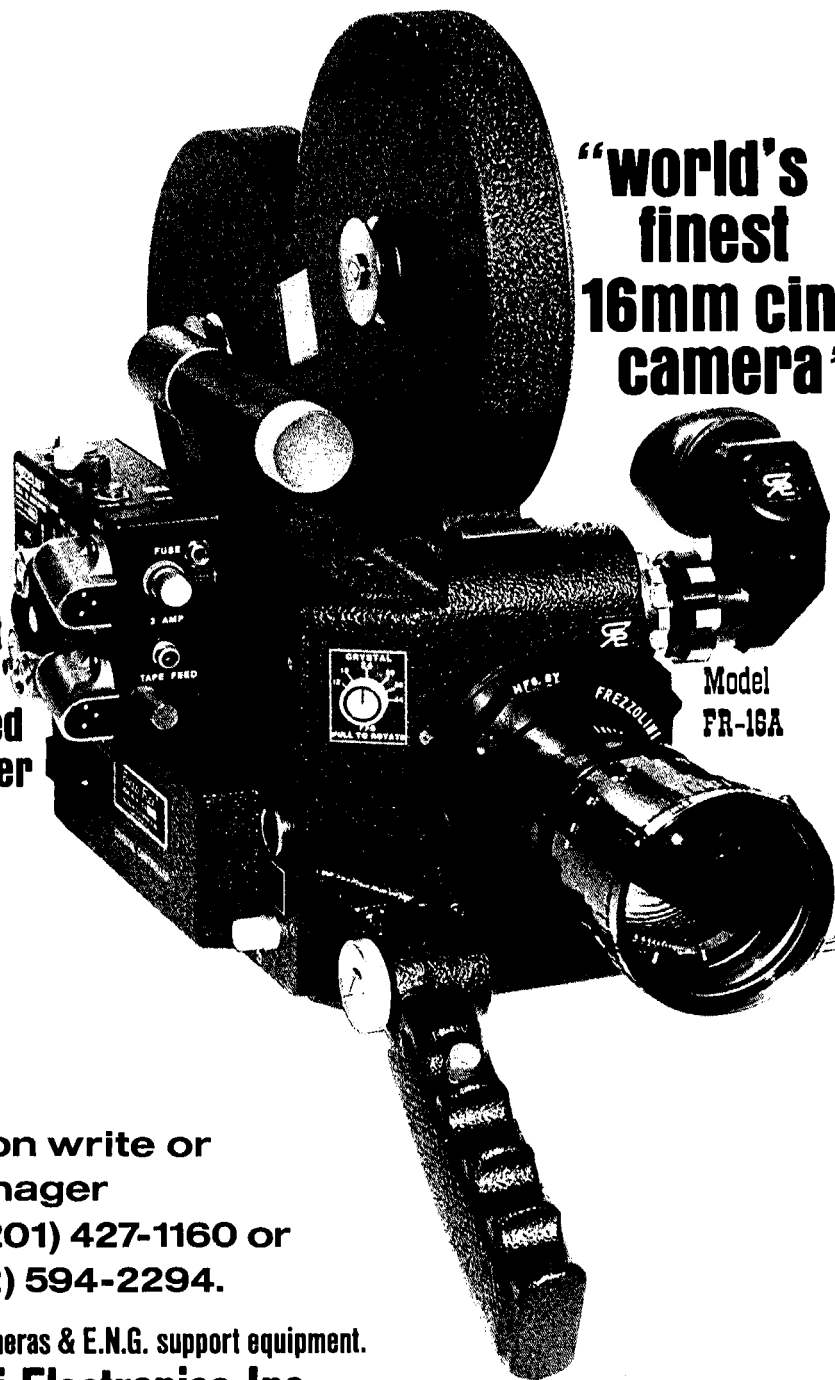
RCA American Communications, Inc., presently headquartered at Piscataway, N.J., has announced construction of a new headquarters building at Princeton University's Forrestal Center to be completed early in 1980. Plans call for more space to accommodate current staffing as well as expansion capacity to meet headquarters requirements through 1984. Initially the brick structure will be occupied by over 200 people in 73,000 ft<sup>2</sup>. Architecturally, the new building will be dominated by a two-story-high main entrance and reception area which will be bounded on two sides by a solarium projecting beyond the other walls. Plantings within this structure will echo the natural beauty preserved throughout the heavily wooded site of Princeton Forrestal Center.

The Center is a 1600 acre office and research complex being developed by Princeton University adjacent to the University's James Forrestal Research Campus. In addition to RCA American, Forrestal Center contains headquarters and research facilities of 23 companies, a 175-room hotel/conference center, and a 600-unit residential village.

TDK Electronics Corp., manufacturer of audio- and videotape products with headquarters in Tokyo, Japan, has announced construction of a full production facility in Peachtree City, near Atlanta, Ga., its first full production facility in

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the United States. Construction of the 350,000 ft<sup>2</sup> facility is scheduled to begin in September 1979 and to commence operations in January 1981. According to an announcement from TDK President Sho Okiyama, plans are for the production of one million videocassettes monthly in both VHS and Beta formats following completion of the new facility.

**Fuji Photo Film Ltd.**, Tokyo, has established a new Export Sales Division to provide greater flexibility in the handling of its export sales, according to a recent announcement. Manager of the new division is Junichi Takahashi. Minoru Ohnishi, Managing Director of Fuji, has been appointed head of Fuji's Japanese market operations, including marketing of consumer and professional photo products, magnetic products, and motion-picture products. Fred M. Nakamura, Executive Vice-President and Chief Operating Officer of Fuji Photo Film U.S.A., was elected to the Board of Directors of Fuji Photo Film Ltd., Japan. He will continue in his present position.

**Verbatim Corp.**, headquartered in Sunnyvale, Calif., has announced construction of a \$5 million, 60,000 ft<sup>2</sup> manufacturing facility in Limerick, Ireland. The facility will employ some 350 persons in its first phase. Plans are underway for more than 100,000 ft<sup>2</sup> of manufacturing and administrative space in Ireland. Verbatim manufactures digital cassettes, cartridges, flexible diskettes, and magnetic cards for computer and word processing equipment. The firm was recently awarded the President's "E" by the U.S. Department of Commerce for outstanding achievements in exports. About 100 such awards are presented each year.

**Frezzolini Electronics Inc.**, 7 Valley St., Hawthorne, NJ 07506, has announced that Cinefocus Rentals Ltd., Ealing, London, has been appointed dealer-distributor for the Frezzolini Frezzi-Flex<sup>®</sup> professional 16mm motion-picture camera in England, North Ireland, Scotland, Wales, and Eire. Cameras sold in the United Kingdom can be customized to the purchaser's particular requirements, i.e., either single system or double system sound. The Frezzi-Flex cameras can be purchased with Angenieux, Canon, or Zeiss lenses or without lenses. A number of accessories are also available.

**Neilson-Hordell, Ltd.**, Central Trading Estate, Staines, Middlesex TW18 4UU, England, has been appointed sole distributor for the Marusho range of tape splicers for motion-picture film. The Marusho splicers can butt-splice all types of motion-picture film including the new polyester bases such as Estar, Mylar, Cronar, etc. Eleven standard models cover film, magnetic film, and microfilm formats from super 8 to 70mm and provide straight and diagonal cuts with single-side, double-side, and wrap-around taping.

**Alan Gordon Enterprises Inc. (AGE)** has acquired Bell & Howell's 70- and 71-design camera business, according to an announcement from both companies. In addition to the 70 and 71 cameras, also known as the 16mm Filmo and 35mm Eyemo, the purchase includes accessories, parts, and manufacturing tooling. The sale does not affect Bell & Howell's amateur or educational equipment nor does it involve B&H professional printers or other equipment relating to the B&H professional division. More than

50,000 cameras in the 70 and 71 line have been manufactured by B&H since the early 1900s. Under terms of the purchase, AGE Inc. assumes all aspects of the sales, servicing, and repairing of the 70 and 71 line.

**Curt Deckert Associates (CDA)**, 18061 Darnel Pl., Santa Ana, CA 92705, founded in 1976, has developed an organization making use of highly competent associate independent consultants and organizations. Among the associate consultants are Howard W. Hoadley, an independent consultant and a well-known expert in laboratory design and management, motion-picture equipment, photoscience, and other related fields; Leo Deterding, consultant in optical-mechanical design of optical systems; John Forkner, consultant in optical engineering, Paul Thiene, consultant in applied physics; and others equally knowledgeable in their respective fields.

**Grinnell Systems**, manufacturer of television display systems for computer users, has moved to a new 12,000 ft<sup>2</sup> manufacturing plant at 2159 Bering Drive, San Jose, CA 95131. The company previously occupied a 4000 ft<sup>2</sup> building in Santa Clara.

**Sir James Redmond**, Director of Engineering for the British Broadcasting Corporation, retired 6 November 1978 after 40 years with BBC, during which time he held various engineering positions. In 1967 he was appointed Assistant Director of Engineering and in 1968 he succeeded Sir Francis McLean as Director of Engineering. During his career he had been particularly concerned with the use of film in television and the improvement of technology to allow it to keep pace with the ever-increasing picture quality demanded from it. He was also active in other spheres of broadcast engineering. The introduction of digital techniques for signal distribution throughout the networks, standards conversion, and signal processing in general have all been directly his concern. Until his retirement he was Vice-President (Engineering) of the Commonwealth Broadcasting Association and was very active in the affairs of the European Broadcasting Union. He attended a number of SMPTE Conferences. Shortly before his retirement he was elected President of the Institution of Electrical Engineers. Following his retirement, in the 1979 New Year Honors, the Queen conferred a Knighthood on him.

Sir James's successor as Director of Engineering is Bryce McKirrick who was formerly Deputy Director of Engineering.

**David Horowitz** has been appointed Director of Audio/Video Engineering in the Engineering & Development Dept., CBS Television Network, according to a recent announcement. He has been a member of Engineering & Development since 1965. His most recent post was that of Associate Director in the Audio/Video Section to which he had been appointed in 1973.

**Mathew S. Ceterski** has been appointed National Field Sales Manager for the VTR Sales and Service Division of Sony Video Products. Based in Sony's Compton, Calif., office he will be responsible for all video products field sales. Most recently, Ceterski was Regional Sales Manager for the Northwest Region. Sony Video Products Headquarters are at 9 W. 57 St., New York, NY 10019.