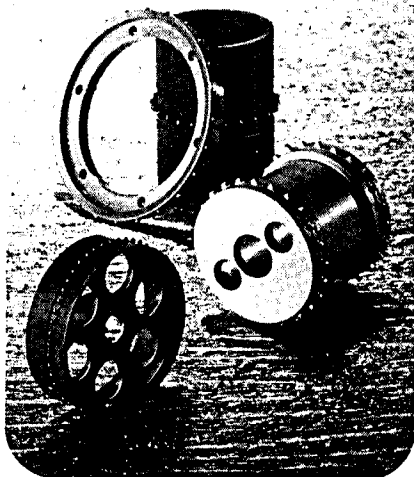


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niques that create heretofore unobtainable electronic special effects. He explained how the Quantel Digital Frame-Store Processor can create infinitely variable compression, positioning and limited expansion for various production functions.

Tiffen spoke on the use of special-effects filters. He demonstrated the star, the fog, the split field and diffusion filters. In each instance the audience was shown a picture without the effect and then a picture with the desired effect. Where there were different "degrees" of effects available, several presentations were shown illustrating the most effective use of various filters under different production situations. — Irwin L. Ross (Secretary-Treasurer), WPVI-TV, 4100 City Ave., Philadelphia, PA 19131.

Rocky Mountain, 26 Oct. — The meeting was held at the University of Colorado's Medical Center in Denver with an attendance of 20 members and guests for the program on Training by Satellite. Norm Fringer, Director of Biomedical Communications, described the methods and equipment of the Center's satellite training program. The audience viewed portions of a nurse's training program transmitted to Denver by satellite and seen on a large-screen television. Fringer explained the system and the uses at the Medical Center through which Col-

orado University personnel and those at many other sites in the United States receive training through the use of satellite television transmission. This was followed by a tour of the facilities and a viewing of the satellite receiving apparatus. — Philip C. Vogel, Jr. (Secretary-Treasurer), Eastman Kodak Co., 5555 South Trenton B-5, Denver, CO 80110.

Washington, 20 Sept. — The meeting was held in the Friar's Room in Holiday Inn at College Park, Md. The speaker was Robert E. Buescher of RCA Corp. who described RCA's new FR-35 projector. Designed primarily for post-production work in telecine operation as well as for direct projection, the FR-35 has such features as instant stop and start, variable speed and freeze frame. Buescher said that the FR-35 is being used internationally. It can be switched from 50 to 60 Hz and from 25 to 24 frames/s almost instantly. The FR-35, he said, because of its cold light can stay in freeze frame almost indefinitely because 93% of the infrared light is effectively eliminated by a mirroring and filtering system. The audience of 35 members and guests displayed considerable interest in the FR-35 and a lively question-and-answer period followed the presentation. — Charles F. Wilkinson, Jr., Eastman Kodak Co., 500 12th St., S.W., Washington, DC 20024.

Industry News & Educational Activities

The American Archives of the Factual Film, established in and administered by the Library of Iowa State University of Science and Technology in cooperation with the University's Media Resources Center, is the first serious attempt by a major institution to gather all relevant materials which document the development of the factual film in the United States and abroad. As the center for the preservation and study of this neglected area of film scholarship, the AAFF aims to gather, process, index and publicize all aspects of the factual film. While films, both new and those out of circulation, will be the main focus of the archives, of great importance to any research will be supplementary materials. These include books, journals, correspondence, speeches and printed interviews, diaries and reminiscences, scripts, stills, filmstrips and slides, recordings (disc and tape), catalogs, and teachers guides as well as promotional materials, flyers, posters, newspaper clippings and other ephemera. The AAFF will also conduct oral interviews and collect files and records of film-oriented organizations and institutions.

Films, files and records have been received from such companies and organizations as Ford, American Telephone and Telegraph, International Harvester, Inland Steel, American Airlines, Illinois Central Gulf, Jam Handy, American Science Film Association and the American Iron and Steel Institute as well as from individuals who have had long and active careers in the nontheatrical film world. Further information is available from Dr. Stanley Yates, American Archives of the Factual Film, Iowa State University Library, Ames IA 50011

Plans for the National Film Board of Canada's production of the official film for the Commonwealth Games to be held in Edmonton, Alberta, in August 1978 are now underway. Funds for the project are provided by the Canadian Government through the Fitness and Amateur Sports Branch of the Department of Health and Welfare. Executive producer of the Commonwealth Games film is Bob Verrall of NFB's English Production branch; associate producer is Jacques Bobet of the French Production branch. Director will be Paul Cowan who directed such award-winning sports films as *Coaches and I'll Go Again*. The Commonwealth Games film, to be completed by the end of April 1979, will focus on a number of athletes and will show the effects of training, environment and attitudes on individual performance.

The Laser Research Group at the Max Planck Institute in Garching near Munich is studying the effects of high-power lasers with an experimental arrangement in which a Linhof Technika camera is used for documenting and investigating the light-plasma interaction. The Linhof camera produces a photographic record of processes that often take less than $1/1000$ millionth of a second. The purpose behind this international research project is to find new sources of energy. It is believed that pulsed high-power lasers open up a new approach to "clean" nuclear fusion which might be a way of avoiding the problems connected with nuclear power stations.

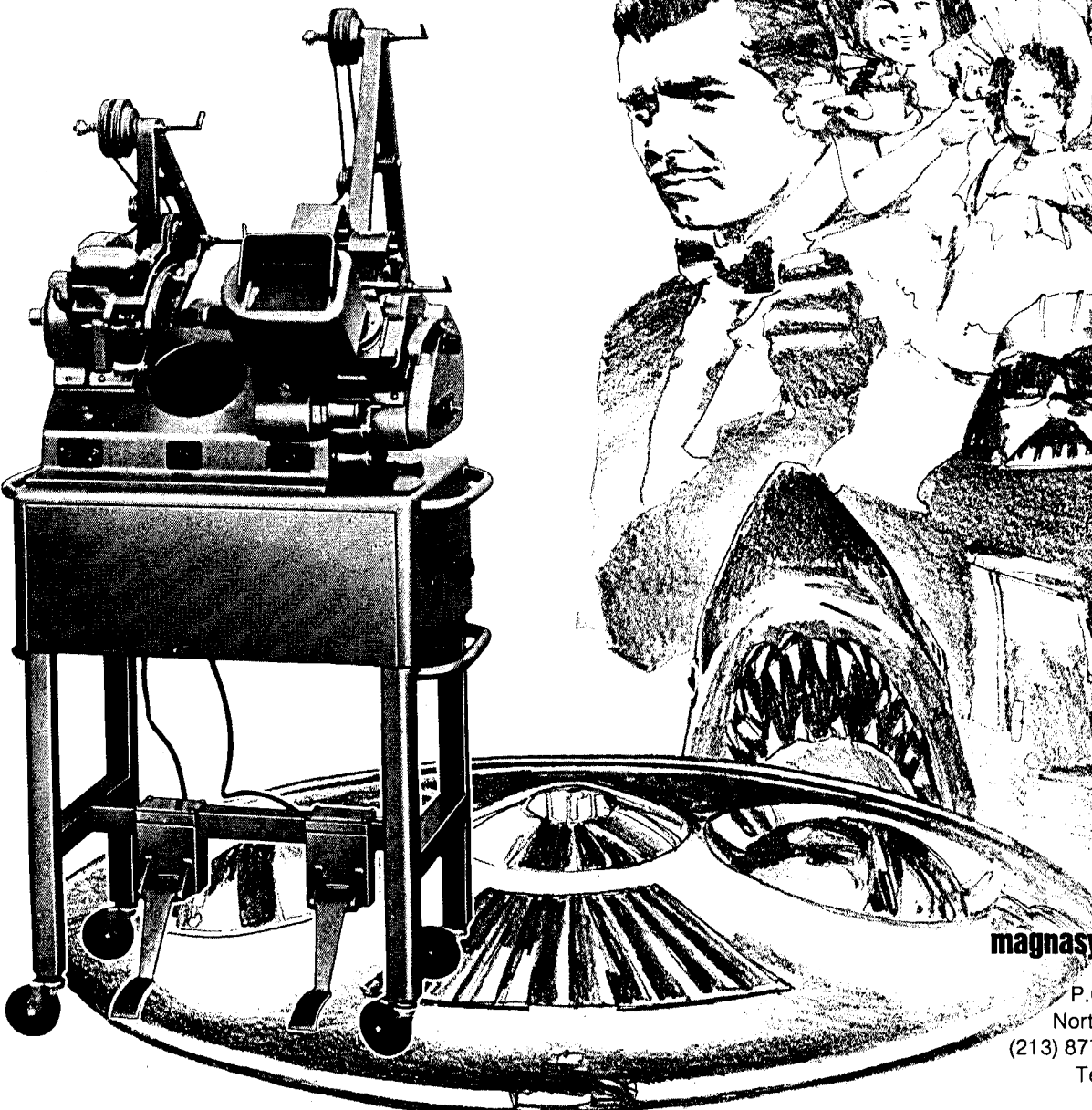
A study by Hope Roberts, 919 South Winton Rd., Rochester, NY 14618 revealed that sales and installation of closed-circuit television

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equipment for surveillance purposes more than doubled in the last three years. Sales are expected to reach \$106 million in 1977, the report stated. Most of the CCTV surveillance systems are used for security purposes, but an estimated 10% are employed for instrumentation applications. Monochrome non-viewfinder cameras, monitors and accessories comprise the three major product groups sold for this purpose. Most manufacturing is done by half a dozen companies although 16 firms identified as marketing cameras, 11 as selling monitors and two companies as specializing in accessory lines.

The Electronic Components Group of GTE Sylvania Inc. has announced the development of an exclusive system called the Integral Surge Limiter for protecting television receiver circuitry from damage caused by interelectrode arcing in the electron gun of color picture tubes. According to the announcement the ISL lowers the peak value of the arc current, reducing the potential for damage to semiconductors in the event of arcing. The interelectrode arcs can release energy into the receiver's circuitry causing failure of the semiconductor devices in the chassis. To prevent this a large increase in the resistance of the internal coating in the area close to the electron gun is required. The ISL adds resistive material, independent of the normal internal conductive coating, between the tube's large funnel coated area and the electron gun. Although the ISL does not change the frequency of arcing, it substantially reduces the peak value of the arc current to 15 A and cuts the duration of the arc to 100 ns.

Pro-Bel Ltd., Terrace Rd., Binfield, Bracknell, Berks, England, is a new firm formed to manufacture and market professional broadcasting equipment. The board consists of four directors who were executives of Prowest Electronics Ltd., a company acquired by EMI in 1976. The new company manufactures and markets a range of video switching systems, control and automation equipment and peripheral modules including video distribution amplifiers.

Fuji Photo Film U.S.A. with headquarters at 350 Fifth Ave., New York, NY 10001, has announced the expansion of its Dallas Regional Distribution Center with the construction of a new 12,600 ft² facility housing offices and a warehouse. Fuji Photo Film U.S.A. is the American marketing arm of Fuji Photo Film Ltd., Japan's largest photographic manufacturer.

The Q-Code, a new time code for the helical videotape recorder, has been developed by QSI Systems, Inc., 993 Watertown St., West Newton, MA 02165, according to a recent announcement. The Q-Code consists of the use of numerical character generators placed in the video vertical blanking interval identifying each field or frame. The technique is analogous to film edge numbering which changes numerical sequence at the generation of each new video field or frame and is recorded along with its associated video picture. The Q-Code, used with helical videotape recorders during jog and stop motion, is said to be especially useful when other longitudinally recorded codes would normally fall out. The Q-Code characters do not have to be recorded but may be used to monitor video information relatively. Q-Code readings are accomplished with a standard picture monitor, with recordings eliminated with a standard processing amplifier or time base corrector before broadcasting.

Deadline for News Releases

Releases and other material intended for use in any of the columns of the *Journal* especially for the Meetings Calendar and the Forthcoming Professional Meetings column, must arrive at SMPTE Headquarters at least six weeks before the month of the issue on which it is to appear. For example, announcements for the March issue must arrive no later than 15 January; for the April issue, no later than 15 February.

It is our intention to publish as much information as possible that is of interest to *Journal* readers. We regret that when information arrives too late it cannot be used. — *Edit.*

Philips and MCA, Inc., have announced the development of an optical videodisc with a playing time of at least an hour using both sides of the disc. The new videodisc has a thickness of approximately 2 mm. The increased thickness requires player modifications now underway at N.V. Philips and Magnavox, a subsidiary of North American Philips Corp.

The 1977 Cultural Prize of the German Photographic Society has been awarded to Wesley T. Hanson of Rochester, N.Y., and Eberhard Klein, Leverkusen, Germany. The Germany Photographic Society aims at maintaining cultural values in photography in the Federal Republic of Germany. Both men are internationally known photographic scientists. Dr. Hanson, recently retired as Director of Eastman Kodak's Research Laboratories (*Journal*, p. 238, Apr. 1977), is the author of a number of scientific and technical publications including *Principles of Color Photography* of which he is co-author. He is the inventor of the color coupler masking system that made Kodacolor film possible. Dr. Hanson has received many honors and awards during his career including two awards from the SMPTE — the Herbert T. Kalmus Medal Award in 1956 and the Progress Medal Award in 1966.

Prof. Klein is head of Research and Development for Agfa-Gevaert in Leverkusen. He has published widely in the field of scientific photography and is currently lecturer on scientific photography at the Aachen College of Science and Technology.

Roger Lundy has been named Associate Producer for the Catholic Television Network of Chicago according to a recent announcement. The network is located at One Wacker Dr., Chicago, IL 60606. Lundy recently wrote and produced two documentaries for ABC — *The Violent Schools* and *The Conference on Puerto Rican Affairs*.

Pete Comandini has been named Vice-President, Operations for Image Transform Inc., 4142 Lankershim Blvd., North Hollywood, CA 91602. Previously Director of Technical Operations, he has served in various technical, customer service and sales capacities since he joined Image Transform shortly after it was founded in 1972. Earlier he held technical positions with Vidronics Co. and Panacolor Inc. At Image Transform he helped develop the firm's tape-to-film technology and its PAL/NTSC/SECAM standards conversion.