

# Industry News & Educational Activities

**The European Broadcasting Union's Technical Committee**, in particular its Working Part R, has carried out several technical studies with a view to the World Administrative Radio Conference (WARC) 1979 (*Journal*, p. 538, August 1978). The most recent document, *Study of Technical Questions of Interest to the WARC 1979* (Document SPB 66), is arranged in three parts, covering terrestrial sound broadcasting, terrestrial television, and satellite broadcasting.

The questions discussed in Part A (Terrestrial Sound Broadcasting) concern exclusively HF broadcasting, covering band-saving transmission techniques; possible systematic changes in frequency-band usage according to sunspot cycle; frequency sharing between the broadcasting service and other services; and frequency tolerances for transmitters.

Part B (Terrestrial Television) examines first the various possibilities for frequency sharing with the mobile service, a proposal considered by some telecommunications administrations for introduction in Bands I and III at least. It was found that although sharing might be technically feasible in particular cases, it would always be very difficult from an organizational point of view and might even become impossible in some circumstances. It was concluded that frequency sharing between the broadcasting service and the mobile service in ranges below 1 GHz should be avoided. Another question considered in the document, which is of importance for the future use of the frequency spectrum by television transmission systems, is the possible integration of the sound signal into the video signal.

Part C discusses the results of EBU studies

**SMPTE at photokina 1978, Cologne, West Germany.** The Society was officially represented by its own stand at the recent *photokina* exposition. *Photokina* now includes a huge section dedicated to the film and television media and it is of importance for the Society's growth and information to be present at such an important event. Inquiries about the Society came in a

made in the field of satellites. Questions taken up include: feasibility of satellite sound broadcasting in the 26 MHz range; a satellite sound-broadcasting system for a national service with portable receivers in the 1 GHz range; susceptibility of 12 GHz satellite-broadcasting receivers to certain types of interference; interference between the up-links of the broadcasting satellites (provided for in the Geneva Plan 1977 (Regions 1 and 3); and feasibility of large-screen high-definition television in frequency bands above 12 GHz.

Document SPB 66 is available upon request from the European Broadcasting Union's Technical Centre, Avenue Albert Lancaster 32, B-1180 Brussels, Belgium.

**More than 500 reels of 35mm nitrate film** were discovered by an excavating crew last summer in Canada's Yukon territory, according to a report from the Canadian Film Institute. The films, refrigerated and partially preserved by the covering layer of permafrost, were discovered in Dawson City, a gold rush town which was the last stop on the film distribution route during the silent film era. Among the films which have been tentatively identified are features from the teens such as *Wild Fire* with Lillian Russell and Lionel Barrymore; *Polly of the Circus* with Mae Marsh and others, as well as four serials which had been believed to be lost, and also newsreels of World War I.

**Ikegami Electronics (USA) Inc.** has moved to a new 35,000 ft<sup>2</sup> building at 37 Brook Ave., Maywood, NJ 07607, according to an announcement

steady stream, and the *SMPTE Journal*, the Test Materials Catalog, and the List of SMPTE Publications were in continuous demand.

Some of the Society's Sustaining Members had their own stands at the *photokina*. They and many others helped in distributing the Society's membership-drive materials. The Society is grateful for their generous assistance.

from Nick Nishi, Vice-President and General Manager. He noted that the move reflects Ikegami's expanding position as a major supplier of television cameras for broadcast and closed circuit applications. He also announced the introduction of the HL-79A, an all-in-the-head prism optics color camera light and small enough for one-person ENG camera crews.

**The Communications Seminar** for management providing examples of audiovisual programs used to meet various communications needs in business and industry is being offered by Eastman Kodak's Motion Picture and Audiovisual Markets Division. The seminar will be presented through 1979 by Kodak audiovisual specialists at various locations throughout the country. Audience size is limited to 20 persons. Further information is available from Eastman Kodak Co., IPD Customer Services, 343 State St., Rochester, NY 14650.

**Cinema Products Sales Department** has been expanded and reorganized reflecting an increase in the sales volume of CP-16R reflex cameras and the Steadicam film/video camera stabilizing system, as well as Cinema Products' growing involvement in the video field with the introduction of the MNC-71CP ENG/EFP camera and a line of video accessories, according to a recent announcement. Ron Kelley has been named National Sales Manager; Susan Lewis is the newly appointed CP-16 Equipment Sales Manager; and Wayne Weichel has been named Video Sales Manager.

**Video Corp. of America**, 231 E. 55 St., New York, NY 10022, has established a Consumer Video Division, according to a recent announcement. The new division will market videocassette hardware and software directly to consumers and in association with hardware manufacturers.

**A 180° high-resolution fisheye projection lens** suitable for projecting images onto a hemispherical dome, such as a planetarium dome, has been designed by Richard Buchroeder of the Optical Sciences Center of the University of Arizona, Tucson, AZ 85721. The lens includes a nine-element projection lens and a six-element relay lens. The relay lens serves to increase the distance between the film and the lens and eliminates the need for modifying the projector to provide clearance between the lens and projector shutter mechanism. The relay lens may be modified to make the fisheye lens compatible with various film sizes without modifying it. A focused iris is used to mask portions of the projected image and a nonuniformly acting fader is used to reduce back scatter and to stop down the lens to adjust the brightness of the projected image. Two copies of the lens have been built and are installed and operating in the Flandrau Planetarium in Tucson and in the Russell C. Davis Planetarium in Jackson, Miss. Components for the lens in the Flandrau Planetarium cost approximately \$17,000 when assembled in 1975. Components for the lens in the Davis Planetarium cost about \$23,000 when assembled in the spring of 1978. The University of Arizona Foundation is seeking a licensee to promote, fabricate and market the lens system. Further information is available from Richard R. Willey, Director, Flandrau Planetarium, University of Arizona, Tucson, AZ 85721.

**RCA American Communications, Inc.**, now in its third year of operation, has announced that its



Pablo Weinschenk-Tabernero and his stand assistant, Gaby Bodewig, at the 1978 *photokina*.



## Communications without visuals is like a play with the actors behind the curtain.

Film is the medium capable of capturing a unique moment in time in all its richness and color. In full action. In pulsating reality. Because whatever the eye can see, film can record.

But that's not all.

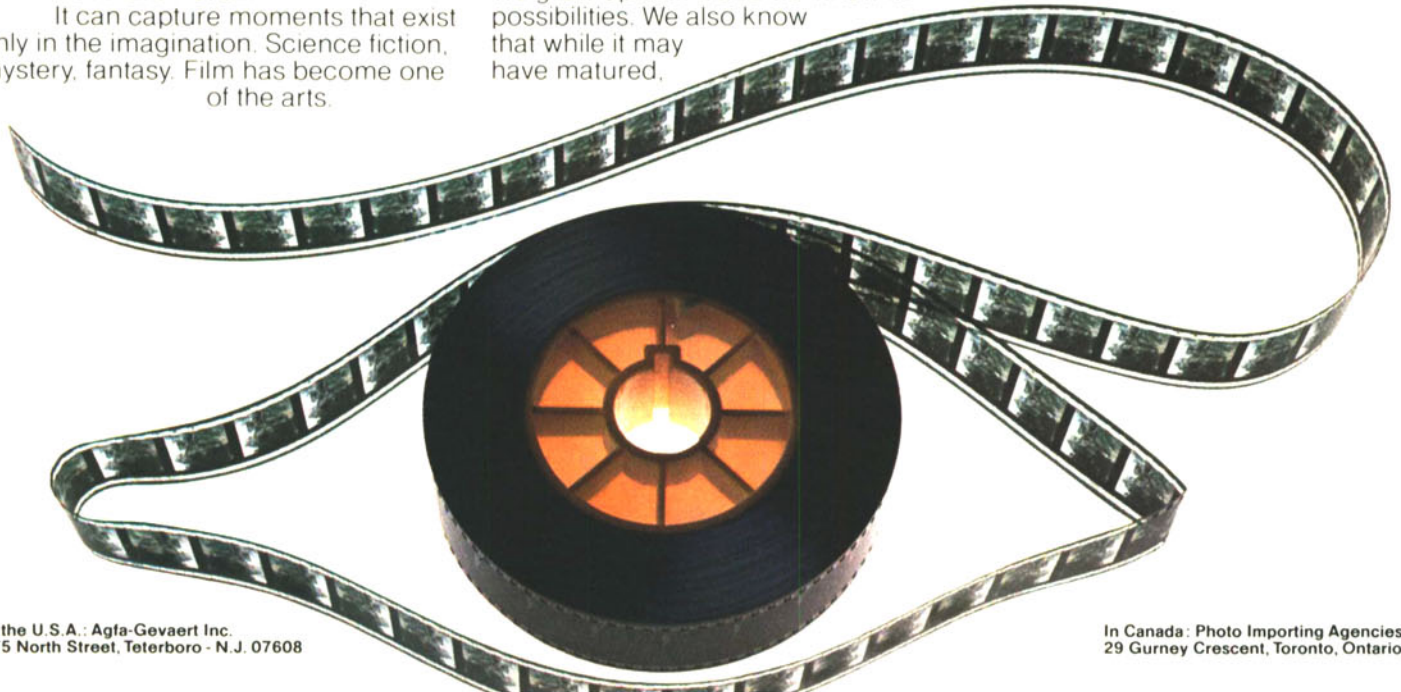
It can capture moments that exist only in the imagination. Science fiction, mystery, fantasy. Film has become one of the arts.

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Agfa-Gevaert is a film pioneer. We grew up with it and we know its possibilities. We also know that while it may have matured,

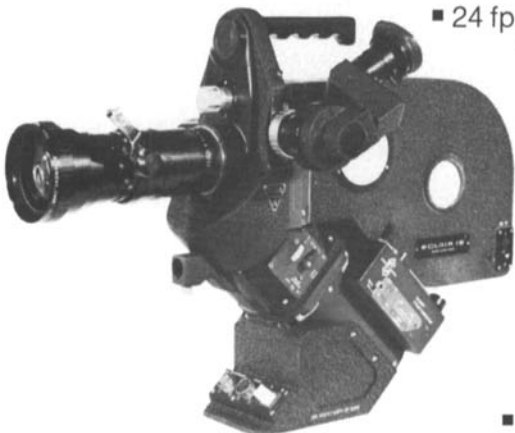
it has not aged. Film will be as vibrant tomorrow as it is today.

**SYSTEMS FOR PHOTOGRAPHY • MOTION PICTURES •  
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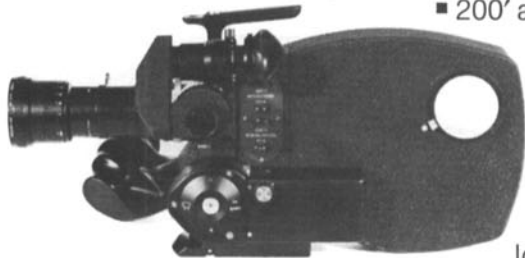
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- reflex viewing
- registration-pin movement
- rotating finder and eyepiece
- time coding (optional)
- 400' magazine available



## Eclair ACL-16

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two orbiting satellites distribute more than 4000 hours of television programming monthly. Using the RCA Americom satellite, 11 different program packagers offer more than a dozen channels of television to millions of cable-television users. Four of the channels are offered 24 hours a day. The cable satellite network which uses the RCA Satcom 1 satellite is reported to be the world's largest and fastest growing network of receiving earth stations. More than 600 earth stations owned by cable-television operators currently receive daily programming from the RCA satellite, many of them getting several channels simultaneously. It is expected that early in 1979 more than 1000 cable systems serving over 8 million subscriber homes will have access to additional program choices made possible by the RCA Americom satellite system.

RCA Alaska Communications, Inc., leases satellite capacity to bring two channels of television broadcasting to viewers in Alaska.

The formation of M/B&H Home Video as part of their joint-venture plans to manufacture ½-in VHS™ and Beta™ cassettes has been announced by Bell & Howell and Memorex. Paul Dotray, formerly with 3M Company, has been appointed General Manager of the new company. He will report to a board of governors comprising Memorex and Bell & Howell executives. Plans call for M/B&H to produce both the VHS cassettes and the Beta-format cassettes. Memorex will contribute its expertise in magnetic tape production, and Bell & Howell will contribute plastics and molding expertise.

Joseph DiBuono, Vice-President, Marketing, Unitel Production Services, has been named President of the New York chapter of the Videotape Production Association, 510 W. 57 St., New York, NY 10019, as part of an expansion and realignment program. Morton Dubin continues as VPA Chairman of the Board. A VPA European chapter will soon be established, the announcement stated.

Jack P. Hall has joined Capital Film Laboratories, Inc., 470 E St., S.W., Washington, DC 20024, as Vice-President, Technical Director. Prior to this appointment, Hall was Vice-President of Filmline Corp. in Milford, Conn. Capital Film Laboratories, in addition to the Washington facility, also has laboratories in North Miami and New York City.

William H. Smith, Allied Film Laboratory, Detroit, was re-elected President of the Association of Cinema & Video Laboratories at the ACVL annual meeting held in New York in October, celebrating its 25th anniversary. Other re-elected officers are: Irwin W. Young, Du Art Film Laboratories, New York City, Vice-President; Burton Stone, DeLuxe General, Hollywood, Treasurer; John Newell, Western Cine Services, Denver, Secretary; and Dudley Spruill, Washington, D.C., Executive Secretary. Robert Ringer, of Image Transform, Hollywood, was elected Second Vice-President.

Boyd L. Stratton has joined Consolidated Video Systems, 1255 East Arques Ave., Sunnyvale, CA 94086, as Vice-President, Engineering. He was formerly with Arvin-Echo Corp. in Mountain View, Calif. Stratton holds seven patents in broadcast recording. CVS specializes in the application of digital video technology for broadcast, industrial, educational and CATV markets.