

# Section Meetings

**Atlanta, September 9, 1985** — Guest speaker Leonard A. Green, assistant director of technical and production services, picture technology, National Film Board of Canada, presented a two-part program in the Cinevision screening room in Atlanta. Green gave an overview of the technological achievements of the NFB from the early days of the film medium to the Board's most recent acquisition of computer-controlled animation equipment. The second part of the program was a presentation on the IMAX 70mm 3-D format. Green explained the complexities of the camera platform, optic system, and projection process. Following the presentation, some of the 25 members in attendance were given the opportunity to ask questions. — Earl V. Higgins (Secretary/Treasurer), Box 165, Cumming, GA 30130.

**Australia, May 28, 1985** — A Chinese film delegation, several guests from the Australian Cinematographers Society, and nearly 80 members of the Australia Section packed Colorfilm Laboratory for a presentation on optical effects on film. Dominic Case, Colorfilm technical manager, demonstrated a wide range of optical effects, from simple titles to dramatic color solarization and strobing effects. Using slides of the parts of an optical printer, Case explained how images on different pieces of film can be combined in perfect registration. He went on to show the many stages and processes involved in assembling several types of optical effects.

Case also pointed out some of the advantages offered by film opticals for a television end product, even in the face of the rapid developments in the field of digital video effects. The final segment of the meeting featured a presentation from Colorfilm's latest optical show reel. After the meeting, members of Colorfilm's Optical

Dept. were on hand to answer questions from the audience. — Geoff Healy (Chairman), Box 88, Willoughby P. O. 2068, Australia.

**Baylor University Student Chapter, October 22, 1985** — CinemaScope was the first topic of this meeting. Alex Alden, SMPTE Manager of Engineering, who participated in its development, answered student questions regarding its history and the conversion of the production facilities in the studio. He also reviewed the process of recoding the CinemaScope pictures for television release, for which he won a technical Oscar. In addition to patents covering aspects of CinemaScope, Alden described one he received for the elimination of chromatic aberration in printer lenses. He then shifted to a discussion of the SMPTE's role in providing the motion-picture and television industries with a forum for establishing standards. He also discussed the Society's history and its development through the years, current standards work, and the communications industry as a whole. The 85 members and guests in attendance found Alden's presentation captivating. A tour of Baylor University's Telecommunications Dept. followed the meeting. — Samuel Norman (Chairman), Baylor University, 1825 S. Fifth St., No. 69, Waco, TX 76706.

**Chicago, September 10, 1985** — At this meeting, held at Allied Film & Video, Si Becker, vice-president and director of engineering, and Larry Perry, video post-production supervisor, Allied, discussed and demonstrated EFLM/CTAP (edit film/conform tape), a post-production system designed for film origination and tape release. EFLM/CTAP is efficient and cost-effective, and takes advantage of film origination, recording, editing, and

double-system sound mixing techniques. The system also incorporates the versatility of video post-production and the economy of videocassette release.

Becker went on to explain that EFLM/CTAP is completely transparent to the camera crew, editor, and sound mixer. Special equipment is not required. The original negative remains intact, and a video transfer is made only of the actual footage used. The system parallels the conventional film edit and conform techniques, and does not require the presence of the producer during the video conforming stage. — Gilbert L. Blew (Publicity), Eastman Kodak Co., 1901 W. 22nd St., Oak Brook, IL 60521.

**Dallas/Fort Worth, August 15, 1985** — A film/video demonstration was given by Jerry Hodges, Sedco, Inc., at this meeting, held at WFAA-TV, Dallas. A total of 150 attendees saw Hodges compare various 16mm prints to Betacam originals, second-generation video duplicates, and film-to-video tape transfers. Two highlights of the presentation were the PJ5055 video light-valve projection system, manufactured by General Electric Co., and a high-quality 35mm film produced from an HDTV videotape by Image Transform's electron beam scanner. The meeting was a joint effort of the SMPTE and the International Television Association (ITVA). — John A. Hudek (Secretary/Treasurer), Allied Film Laboratories, 3708 Lynchburg Dr., Corinth, TX 76205.

**Dallas/Fort Worth, October 3, 1985** — Manfred Klemme, Nagra Magnetic Recorders Inc., discussed and demonstrated his company's IV S time-code stereophonic recorder. Klemme outlined the many film and video applications for the unit and described the method by which the time-code generator and reader can reduce post-production time. A total of 51 members and guests attended. — John A. Hudek (Secretary/Treasurer), Allied Film Laboratories, 3708 Lynchburg Dr., Corinth, TX 76205.



*Dominic Case speaking at the Australia Section meeting.*



*The audience listens intently at the Australia Section meeting.*

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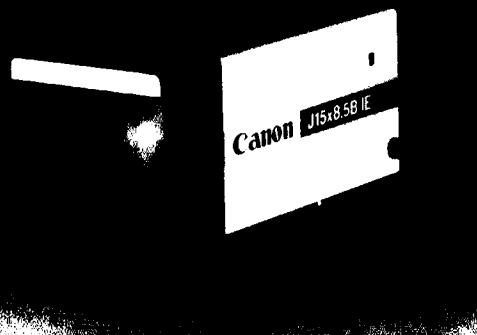
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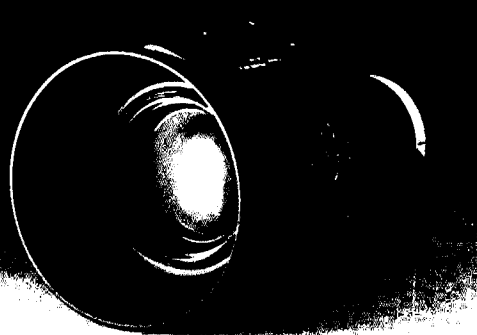
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**2/3" Economy**—full utility for all studio situations, combining a 15X zoom ratio with an M.O.D. of under two feet, a 54° angle of view and high sensitivity throughout the range.

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**Greater Reach, Lighter Weight**—nothing matches the 18X zoom power of this lens—and it weighs less than 4 lbs.! It increases the flexibility of any portable camera.

Focal length: 9-162mm (18-324mm w/2X extender)

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**J14x8 BIE High Resolution Lens for 2/3" cameras.**

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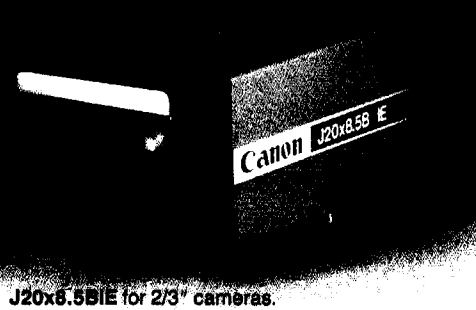
Max. Relative Aperture: 1:1.7 through 201mm  
1:3.0 at 430mm



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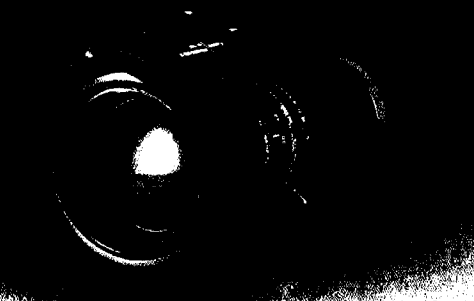
Focal length: 11.5-288mm (23-676mm w/2X extender)

Max. Relative Aperture: 1:1.6 through 220mm  
1:2.1 at 288mm



**J20x8.5BIE for 2/3" cameras.**  
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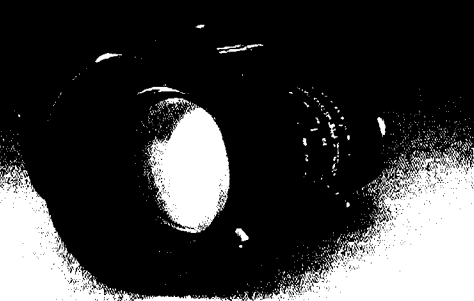
Focal length: 8.5-170mm (17-340mm w/2X extender)  
Max. Relative Aperture: 1:1.6 through 130mm  
1:2.1 at 170mm



**J13x9BIE for 2/3" cameras.**  
The Portable Standard—used by cameramen around the world under all conditions, the J13x9BIE is a proven performer with superior sharpness and sensitivity.

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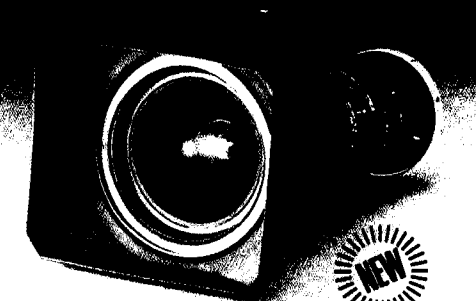
Max. Relative Aperture: 1:1.6 through 99mm  
1:1.9 at 118mm



**J15x9.5 for 2/3" cameras.**  
Quality plus Economy—you can't buy more lens for less money. Lightweight and sensitive, it meets the needs of both cameramen and accountants yet lives up to its Canon name.

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Max. Relative Aperture: 1:1.8 through 112mm  
1:2.3 at 143mm



**J8x6 B Ultra Wide-Angle Lens for 2/3" cameras.**  
The widest of the ultra-wide zooms at 72.5°, this incredible 8X lens also has a M.O.D. on only 11"—it's great for interviews!

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Larry Perry at the meeting of the Chicago Section.

**Detroit, September 17, 1985** — Thirty-four section members and their guests attended this meeting at Postique Inc., in Southfield, Mich. Andrew Fielek and Jim Steed, Postique, were the speakers. Fielek began with an operational and functional description of a new editing system from Montage Corp., a unique hybrid system consisting of a computer, digital video frame storage, and 14 Beta-type video recorders. He also discussed the limitations of this software-based editing system. Steed followed with an in-depth demonstration. After the presentation, the audience asked about the memory storage capacity and program length capability of the editing system. — Rudy Kryger (Secretary/Treasurer), CBC Television, Windsor, Ont., Canada N9A 5K9.

**Florida/Caribbean, September 17, 1985** — Si Becker, vice-president and director of engineering, Allied Film & Video, described his company's EFLM/CTAP (edit film/conform tape) system for 55 persons in attendance at Allied's newly refurbished facility in Orlando, Fla. EFLM/CTAP conforms an edited film workprint to a video final release, thereby

employing the best post-production features of each medium. Becker noted that EFLM/CTAP will be the first commercial, production use of Datakode. A question-and-answer period followed Becker's presentation. Refreshments and a tour completed the program. — Ralph Bevins (Secretary/Treasurer), Martin Marietta Aerospace, P. O. Box 3162, Orlando, FL 32802.

**Florida/Caribbean, October 15, 1985** — Guest speaker Bill Ludwig, Abekas Video Systems, Inc., described the Abekas A52 digital special effects system and the A42 video slide projector at this meeting, held at the videotape facility of Martin Marietta Aerospace, Orlando, Fla. The 55 in attendance were given the opportunity to gain hands-on experience with the equipment following Ludwig's presentation. Ralph Bevins (Secretary/Treasurer), Martin Marietta Aerospace, P. O. Box 3162, Orlando, FL 32802.

**Hollywood, June 18, 1985** — This meeting, held at the Burbank Studios, was in two parts. The scheduled guest speaker for the first part, John Nagy, FOR-A Corp., had been taken ill and was not able to present his material. Filling in, Hollywood Section Chairman Charles D. Kircher, Foto-Kem Industries, Inc., and Bill Hogan, Ruxton, Ltd., gave a dual presentation on component processing in time-base correctors. Kircher presented Nagy's paper, which covered the background and evolution of TBCs, their advantages, methods of operation, digital color-correction techniques, and composite switchers. Hogan then took over and demonstrated the capabilities of some of FOR-A's digital TBCs.

The subject for the second part of the meeting was the shuttered video camera. Robert Heagy, Symbolized Systems Inc., discussed the advantages the shuttered camera has over the standard video camera, along with some of its drawbacks. In addition, Heagy presented graphic exam-

ples of its use in the field. The meeting was attended by 300 members and guests. — Charles D. Kircher (Chairman), Foto-Kem Industries, Inc., 1663 Calle Artigas, Thousand Oaks, CA 91360.

**Hollywood, September 24, 1985** — The Mitsubishi IMAX Theater in Exposition Park was the site for this meeting, attended by 500 Society members and their guests. Three feature films were presented; the second, titled *The Dream Is Alive*, showed segments of recent space shuttle journeys. Following each film presentation, the four guest speakers — Peter Crane, Dave Douglas, Richard Haines, and Geoff Williamson, all of Imax — explained the technical aspects of the special IMAX camera. — Gus Dato (Secretary/Treasurer), ABC, 7825 Greenbush Ave., Van Nuys, CA 91402.

**Houston, September 24, 1985** — Guest speakers Steven P. Sarafian, Sony Corp., and John Demshock, KHOU-TV, demonstrated new tape technology in the news studio of KHOU-TV, Houston. Sarafian's lecture and slide program shed light on Sony's BVH-2500 VTR and its dynamic tracking system. The VTR can record a single frame at a time, several frames in step mode, or in slow record mode. Sarafian introduced tapes created by users around the country to demonstrate the product's versatility. Diane Norman, art director, KHOU-TV, showed how quickly and easily the BVH-2500 can be used with a graphics generator. John Demshock, assistant chief engineer at the station, described KHOU-TV's inter-format editing system. Station engineers are able to edit their Betacam, U-Matic, and C-format tapes using this one system. After the presentations, the 55 persons in attendance, including students from area universities, had an opportunity to watch the KHOU-TV news team prepare for the evening newscast. — Robert B. Musburger (Secretary/Treasurer), Univ. of Houston, 419 Oak Dale Dr., Stafford, TX 77477.



Si Becker at the September 17 meeting of the Florida/Caribbean Section.



Bill Ludwig demonstrates equipment at the October 15 meeting of the Florida/Caribbean Section.



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Dick Dienhart (left) and Dennis Rutherford at the Toronto Section meeting.

**Houston, October 23, 1985** — The Supermarket Television Network was demonstrated for 30 attendees at the University of Houston's School of Communications. The network provides store shoppers with sales messages and price information. Its interactive disk/computer system allows store management to update or alter the order of messages. Harris Milam, Visual Marketing Assoc., who developed the network, explained how the idea was conceived and researched. Brad Breazeale discussed his computer program and demonstrated the technological methods he used to design the equipment. A tour of the university's media studios followed the meeting. Robert B. Musburger (Secretary/Treasurer), Univ. of Houston, 419 Oak Dale Dr., Stafford, TX 77477.

**Nashville, September 26, 1985** — Guest speakers Tom Edwards and Marc Repp described the audio recording and post-production methods and devices used in the "Farm Aid" telecast. Repp also discussed some of the audio recording problems he has experienced. The meeting, which took place at the Nashville Network Studios, was attended by 58 Nashville Section members and their guests. After the presentations, Edwards guided a tour of the network's production facilities. — Duane Muir (Secretary/Treasurer), Nashville State Tech., 120 White Bridge Rd., Nashville, TN 37209.

**New York, October 23, 1985** — Don Kivell and Bob Butler, NBC, Inc., were the guest speakers at this meeting, held at NBC headquarters in New York City. Kivell presented a brief overview of the NBC Ku-band satellite system. Included in his presentation were project goals, design considerations, system management, and control methodology. Following the presentation, the 250 in attendance were invited to tour NBC's technical facilities. — Charles Jablonski, NBC, Inc., 30 Rockefeller Plaza, New York, NY 10020.

**Ohio, September 19, 1985** — Personnel from WCMH-TV, Columbus, Oh. — Ralph Landon, chief engineer, John Cummons, transmitter engineer, and Paul Ernst, production manager — presented the blueprint used for the station's across-the-board stereo conversion. The three speakers discussed studio microphones, STL microwave links, various audio-mixing boards, and their remote transmitter using the BTSC standard. Questions from the audience related to the overall expenses absorbed by WCMH-TV when it converted to stereo broadcast sound, the number of stereo receivers currently on the market, cable television retransmission, and home stereo set converters. The meeting concluded with a comprehensive tour of WCMH-TV, the first NBC network-affiliated station in Ohio to convert to stereo broadcast sound. — John A. Barak (Manager), Industrial Video, 915 N. Terra Ln., Amherst, OH 44001.

**Rochester, September 17, 1985** — Eighty-two persons assembled in the Strassenburgh Planetarium for this meeting. There they heard Carl Dzedziech, Strassenburgh, explain the renovation of the planetarium. A slide program, two films, and equipment demonstrations accompanied Dzedziech's talk. A reception, hosted by Duncan Audiovisual, kicked off this first meeting of the season for the Rochester Section. — Phil Vogel (Secretary/Treasurer), Eastman Kodak Co., 343 State St., Rochester, NY 14650.

**San Francisco, July 23, 1985** "Film-to-Tape Transfers and What Do I Do Now That It Is on Tape" was the provocative title of the presentation at this meeting, held at CMX Corp., Santa Clara, Calif. Christin Hardman, CMX, and Roy Diner, Diner+Allied Laboratory, were the guest speakers. In her overview of video post-production processes, Hardin illustrated the current possibilities of marrying film and tape techniques to achieve a

cost-effective, high-quality film-look end result. The 71 persons at the meeting were treated to a demonstration of some of the film-to-tape transfers made at Diner+Allied Laboratory and were invited to see CMX's advanced editing systems. — Donna Foster-Roizen (Chairman), Telegen, 1742 Willow Rd., Palo Alto, CA 94303.

**San Francisco, August 15, 1985** — Six speakers — Jim Dixon, Steve Crane, and Ralph Moon, Cubicomp Corp.; Bill Claghorn and Howard Gutstadt, Diaquest/GESI; and Greg Pine, Sony Corp.

treated 180 members and guests to a comprehensive presentation of TV animation techniques. Gutstadt gave an overview of the emerging computer graphics animation field, succinctly outlining the various levels of computer graphics systems and their applications in various price ranges. Steve Crane and Ralph Moon then displayed the means to produce sophisticated 3-D static images, and Dixon presented the Picture Maker® software.

Claghorn began the second part of the meeting with a description of his company's DQ-422 interface and software program. Greg Pine closed the meeting by showing a 16mm film transfer made from the component recording in Betacam format. — Donna Foster-Roizen (Chairman), Telegen, 1742 Willow Rd., Palo Alto, CA 94304.

**Toronto, October 8, 1985** — This meeting, held at the Global Television Network, Toronto, provided an opportunity for more than 150 members and guests to examine the operation of two new NEC America products, the SP-3A CCD color camera and the System 10 DVE unit. Speaker Dennis Rutherford, NEC America, described the design philosophy behind the SP-3A camera. He explained that two green CCDs, slightly offset, are used to achieve the level of resolution exhibited by the camera, with another CCD providing the red and blue information through the use of a striped filter. The camera's ability to withstand extremely high light levels was demonstrated, as well as its low-light-level capabilities. Rutherford described other mechanical and electrical features and the camera's expected performance.

Dick Dienhart, NEC America, presented his company's System 10 digital effects device, a low-cost DVE with perspective and rotation features. The unit is capable of multi-channel operation. Dienhart commented that the effects the unit is capable of making, such as posterization, help make it a very powerful production tool. David L. George (Secretary/Treasurer), Imaginering Ltd., 20 Rondeau Dr., Willowdale, Ont., Canada M2H 1R4.