



ATLANTA, 20 Sept. — This was an all-day meeting held jointly with the Carolinas Association of Cinematographers at Bob Jones University in Greenville, S.C. with an attendance of 111 members and guests of both groups. There were nine speakers — Dan Koblosh of Unusual Films; B. F. McClain of McClain Productions; Anne Sliger of Greenville County Schools; Mrs. G. Stenholm of Unusual Films; Max Masters of Bob Jones University; Jay Bauer of Berkey Colortran; Ron Harrington of WBT; Don Swaim of WXII-TV; and Bill Gordon of WFMV-TV. Mr. Koblosh spoke on "Multimedia Techniques." Mr. McClain and Ms. Sliger gave a joint presentation on "Super 8 in Industry and the Arts." Mrs. Stenholm presented a paper on "Production of Films With a Purpose" and Mr. Masters read a paper prepared by Matt R. Long, Jr., on "Amphitrium Sound Reinforcement." Mr. Bauer spoke on "New Trends in Lighting" and Mr. Harrington, Mr. Swaim and Mr. Gordon gave a joint presentation on "TV News Coverage: Film and Electronic Newsgathering Techniques." — William J. Reddick (Chairman), Eastman Kodak Co., 1775 Commerce Dr., N.W., Atlanta, GA.

COLUMBIA COLLEGE (LOS ANGELES) STUDENT CHAPTER — Summary of the Chapter's Activities During the School Year: On 1 May 1975 the Chapter met at the College Stage B with an attendance of 27 students. Cliff Sawyer of the Sawyer Camera Company demonstrated the new Mitchell-Wilcam 16mm reflex camera. The demonstration camera was fitted with a Canon zoom lens with macro capability. A lightweight 16mm camera, designed for newsfilm applications as well as studio work, it functions as either a double system or single system camera. In the double system mode it is outfitted with a crystal sync control at 24 frames/s and also a pilotone 60-Hz tap for direct connection to the recorder. In the single system mode it is outfitted with a magnetic record module in the film threading path. The Mitchell movement contains a design advantage wherein the claw moves behind the film pulling the film into position forcing pressure upon the pressure plate for greater stability, Mr. Sawyer pointed out.

On the 14th of May the Chapter met in Projection Room One at Columbia College with an attendance of 23 students. The guest was Charles Gutierrez representing Paillard Inc., distributor of Bolex cameras. Mr. Gutierrez demonstrated the basic models of Bolex cameras, including the electronic camera together with a series of focal length and multi-focal length lenses. Emphasis of the meeting was on the use of the matte box both as a sunshade and for use in the creating of special matte effects. A film was shown demonstrating the creation of wipe and matte effects as well as dissolves and fades produced within the camera. The value of the fade and dissolve capability is, for most students, nebulous since lab printing of first trials from A&B rolls includes these effects. The capabil-

ity may have application in industrial production where camera original is designed for direct projection. Registration has changed from the original Bolex; however, the basic shape and design of the camera have not changed since 1939 and the line includes the capability of a building-block approach toward camera ownership, Mr. Gutierrez explained.

On the 13th of June, the final meeting was held at the Paramount studio. Twenty-three students attended as guests of the Magicam Company with Rob King acting as host. The Magicam process involves the synchronization of two camera dollies so that the movement of the dolly holding the live-action camera is precisely duplicated electrically by a second dolly. The second dolly is a vertical tracking device with the camera optically linked through periscope tracks within a miniature set built to scale. The two cameras are interlocked so it is possible through electronic matting to combine the two images so that live actors seem to be performing on the miniature sets. The advantage of this device is principally an economic one, useful mainly when extravagant settings are required by the production, Mr. King noted. It should be pointed out that the Magicam process is the electronic interlocking of two cameras and not image matting which may be anything from traditional film matting, chroma key, image matte or technimatte. — Andre F. Stojka (Faculty Adviser), Columbia College, Dept. of Cinema, 925 North LaBrea Ave., Los Angeles, CA 90038.

DALLAS/FORT WORTH, 17 Sept. — The meeting was held at the facilities of Bill Stokes Associates in Dallas with an attendance of 55 members and guests — one of the best attended Dallas/Fort Worth section meetings in recent years. The speaker was E. David Rosen, Executive Vice-President of TVC Laboratories, who described a new processing method called the Chem-Tone Process which can increase the ASA ratings of several 16mm and 35mm films to two to four times normal without noticeable graininess or color imbalance in the developing process. Mr. Rosen showed before-and-after examples in both 16mm and 35mm. — James C. Miller (Secretary-Treasurer), KERA-TV, 3000 Harry Hines Blvd., Dallas, TX 75201.

DENVER, 22-23 Aug. — A special two-day meeting hosted by Brigham Young University was held on the BYU campus at Provo, Utah, attended by 108 members and guests. Designated the Mini-Conference, the two-day meeting included four technical sessions as well as various informative tours.

Following registration, the Denver Section members were guests of BPU at a luncheon. Daniel Monson of the BYU Division of Media Development and Production was the luncheon speaker. Eddy H. A. E. Zwaneveld of the Department of Motion-Picture Production represented BYU, acting as host in arranging transportation, housing, etc.

The sessions and their moderators were: Design/Scripting/Organization, R. Irwin Goodman; Production, Herbert P. Banister; Post Production, Pat Stockdale; and Display/Projection—User Application, Jesse E. Stay.

Papers were presented by Stephen J. Anderson, Junius Bennion, Mr. Zwaneveld, Mr. Monson, Irene B. Fuja, Stephen R. E. Aubery, H. Jerry Bradshaw, Harold R. Hickman, Donald W. Fisk, and Edward W. Schneider, all of BYU. Robert W. Stum and Reed P. Smoot of the BYU Department of Media Production conducted a two-hour workshop on lighting at the BYU studios. Other speakers included William Stockdale of Stockdale Corp., Joseph A. Semmelmayr and Robert E. McMurtrie, both of Eastman Kodak Co., Robert White of Inner Space Systems, Timothy Wood and Thomas D. Lasko, both of L.D.S. Special Projects, and Michael Hedderick of Hedderick Enterprises.

A tour of the Media Production Studios was followed by a dinner at the Tri Arc Motor Lodge. Guest speaker was Harvey Fletcher, Honorary Member of the SMPTE, who is now 91 years old. Dr. Fletcher received the SMPTE Progress Medal Award in 1949 "for outstanding contributions to the art of recording and reproducing sound for motion pictures."

On the following day, tours were conducted to L.D.S. Temple Square, to the new KCPX-TV studio in Salt Lake City and to the Stockdale Corp. The tour included the sound stage, the film laboratory, and audiovisual exhibits. The Stockdale Co., represented by Pat Stockdale, hosted a luncheon which concluded the two-day meeting. Among those assisting Mr. Zwaneveld in the arrangements were D. Dean Van Uiterl and Richard Peacock. — John H. Seide (Program Chairman) (Mt. Bell Telephone), 2941 E. Colorado Ave., Denver, CO 80210, and Herbert P. Banister (Section Chairman) (Denver Police Dept.), 6068 South Westview St., Littleton, CO 80120.

DENVER, 18 Sept. — The meeting was held at the Kodak Marketing Center in the Denver Technical Center with an attendance of 21 members and guests. The speaker was Philip Vogel of Eastman Kodak who presented a paper on "Film Advances in 16mm Reversal and Negative." Emulsion differences from previous types were described by Mr. Vogel and application advantages were explained for the new 7247 and 7240 reversal stock. The benefits of force processing for low existing-light applications, improved image and colorimetry were explained. Side-by-side split 16mm film was projected to demonstrate the advantages of the new emulsions. — George A. Sollenberger (Secretary-Treasurer), KOA Television, 4700 Montana Pl., Denver, CO 80222.

FLORIDA/CARIBBEAN, 24 Sept. — The meeting was held in the studio of WPLG-TV in Miami with an attendance of 27 members and guests. The speaker was Dennis A. Donnelly of RCA Broadcast Systems who presented a paper, "Automatic Film Handling and Color Correction in a Broadcast Television Environment," on videotape with slides. At the close of the program the group was escorted on a tour of the station's technical facilities by Andy Jackson, Chief Engineer. The tour included examination of the TCP-1624 Cartridge Film Projector which had, quite recently, been acquired by the station. Mr. Jackson explained the operation of the machine and

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Organizers and authors of the first SMPTE section meeting held in Halifax, N. S.

answered a number of questions about its use and performance. A dinner at the Dade Athletic Club in Miami preceded the meeting. Wine was provided by Egon Stephan. — Christopher H. Lankester (Secretary-Treasurer), 320 Luna Ct., Hollywood, FL 33021.

HOLLYWOOD, 9 Sept. — The meeting was held at the Writer's Guild Theatre, 9038 Melrose Ave., Hollywood, Calif., with an attendance of 150 members and guests. The speaker was Joseph Roizen, President of Telegen Inc., whose subject was "A Review of Television and Film Technology in the People's Republic of China." Mr. Roizen had captured on film a truly significant insight of the People's Republic of China with many one-of-a-kind photos relating to the customs and behavior of the people of China. His presentation dealt with both film and television technology. He also provided some glimpses of the lighter side of his extensive travels in China. The presentation was received with enthusiasm by the audience. — Don. V. Kloepfel (Secretary-Treasurer), DeLuxe General, Inc., 1546 N. Argyle Ave., Hollywood, CA 90028.

MONTREAL/OTTAWA/QUEBEC, 4 Sept. — The first meeting held in Halifax, N.S., since the formation of the Montreal/Ottawa/Quebec Section was held at the NFB Theatre on Barrington St. in Halifax. The meeting, attended by 60 members and guests opened with a film, *The Legend of Cornwallis*, a National Film Board Atlantic Region production. Another film, *Bluenose Ghost*, was presented by the producer Martin Alford of the Nova Scotia Information Services. Norman Fenerty of the Department of the Environment, Bedford Institute of Oceanography, presented a paper, "Photographic Technology in Oceanography," in which he described deep water photographic techniques and instrumentation for scientific research in geophysics, geology and biology.

A paper by Paul Grisby of Eastman Kodak Co. Ltd., "A Film for TV News," was presented by Janet West.

The meeting was organized by Tom Cahill of Eastern Film Lab and Bert Hooper of NFB. Shown in the photograph above are Bert Hooper, Tom Cahill, Janet West and Norman Fenerty. — Robert B. Desrosiers (Secretary-Treasurer) (CBC), C.P. 5469 Succursale F, Ottawa, Ont. K2C 3M1, Canada.

MONTREAL/OTTAWA/QUEBEC, 7 Oct — The meeting was held at Maison de Radio-Canada in Montreal with an attendance of 21 members and guests. The speaker was George J. Van Schil, Marketing Coordinator for Agfa-Gevaert, Belgium, who discussed Gevachrome II (type 700), a new and improved color reversal film. His talk was illustrated

with slides showing the history of Gevachrome I and Gevachrome II. A 16mm test film of the stock was also shown. The sensitometric data of the type 700 film in comparison with the type 600 was seen to be of considerable interest especially by the laboratory people present from the National Film Board, Bellevue Pathé, Sonolab, and Canadian Broadcasting Corp. A film, *Control System Adopted for Film Process Laboratories at FR-3*, was shown. Following the film presentation, a lively question-and-answer period concluded the meeting. — Robert B. Desrosiers (Secretary-Treasurer), P.O. Box 787, Station "C," Montreal, Que. H2L 416, Can.

NASHVILLE, 26 Aug. — The meeting was held in the WLAC-TV Studios in Nashville with an attendance of 19 members and guests. The speaker was Kenneth R. Knaus of Eastman Kodak Co. who presented a demonstration and discussion of the new Eastman Kodak Ektachrome Video News Film 7240. Following a discussion of the film in which the audience participated with questions about processing, quality, etc., Mr. Knaus provided a demonstration comparing various camera films available for use under various production conditions. The Kodak Supermatic film videoplayer VP-X for super-8 film was shown. The final event on the program was a showing of the CLIO Awards film. — Thomas W. Patterson (Secretary-Treasurer), WLAC-TV, 474 James Robertson Parkway, Nashville, TN 37219.

NASHVILLE, 18 Sept. — The meeting was held at the WSM-TV studios in Nashville with an attendance of 40 members and guests. The speakers were Ray Tichenor, Chief Engineer of WSM-TV, Tommy Thompson of Tel-eMation and Paul Hansil, Tony Seaton and Keith Price of Ampex. Mr. Tichenor's subject was "The CMX 3/4-in Editor and Time-Code Computer and the Akai Camera and Videotape Recorder." He used slides to illustrate his talk, and following his talk he gave a live demonstration of the Akai camera and VTR machine.

Mr. Thompson discussed the NEC Frame Synchronizer. The men from Ampex (Hansil, Seaton and Price) provided illustrated descriptions and demonstrations of the Ampex ACR-25 2-in videotape cassette machine and the Ampex TBC-800 Time-Base Corrector. The program was followed by a tour of WSM-TV studios including a hands-on examination of the Ampex ACR-25, the NEC Frame Synchronizer and the CMX 3/4-in Editing System — Thomas W. Patterson (Secretary-Treasurer), WLAC-TV, 474 James Robertson Pkwy., Nashville, TN 37219.

OHIO, 11 Sept. — The meeting was held at

the studios of WBNS-TV in Columbus, Ohio. Seventy-three members and guests from Ohio and Michigan braved torrential rains to learn of the trials, tribulations and triumphs of WBNS Channel 10's RapidCam Electronic Newsgathering operations. Dick Wolf, WBNS President, Bill Vance, News Director, and Bill Orr, Director of Engineering, discussed the planning, building and operating of the Electronic Newsgathering System from the viewpoints of management, news and engineering. Several program segments produced with the RapidCam system were shown. A question and answer session followed, after which members and guests were given tours of the microwave receiving and recording equipment in the station's transmitter room, the electronic editing system in the news room and the RapidCam van which was displayed in operation in the studio. — Jon Carter (Secretary-Treasurer), Movie Makers, Inc., 4614 Prospect Ave., Cleveland, OH 44103.

PACIFIC NORTHWEST, 18 July — The meeting was held at the District Marketing Center, Eastman Kodak Co., Mercer Island, Wash., with an attendance of 22 members and guests. The speakers were Dennis Jameson of KIRO-TV, Seattle, and Joseph A. Semmelmayr, of Eastman Kodak Co., San Francisco. Mr. Jameson lectured on "KIRO-TV's Electronic News Gathering Techniques and Plans for the Future." He discussed both the advantages and disadvantages of news coverage with electronic cameras. Tapes of actual events were shown to illustrate Mr. Jameson's points. The equipments used by the station were set up and demonstrated, giving the audience the opportunity of viewing the entire procedure.

Mr. Semmelmayr presented "Field Test Reports on EK Type 7240." His report on field testing was enhanced by a demonstration film showing the new emulsion and how it reacts under various lighting and processing changes. The meeting was preceded by a dinner at Mad Anthony's Restaurant in Bellevue, Wash. — Edward Watton (Manager), 306 Fairview Ave., N. Seattle, WA 98109.

PACIFIC NORTHWEST, 12 Sept. — The meeting was held at Hyatt House in Richmond, B.C., Canada, with an attendance of 39 members and guests. The speakers were Basil Fox, of Western Forest Products Lab, who spoke on "High-Speed Photography" and John Bennest, of Northwest Sound Services, who spoke on "Motion-Picture Sound Recording." Mr. Fox showed several high-speed films, two of them in color, to illustrate the uses of high-speed photography in commercial applications. He discussed lighting equipment and cameras used for high-speed photography.

Mr. Bennest explained from start to finish the various pieces of equipment required for high-quality sound for films. He used slides to illustrate his talk. He also showed and demonstrated a number of pieces of portable audio equipment.

A question and answer period followed the two presentations. — C. E. Newcomer (Secretary-Treasurer), Pacific Northwest Bell, 1200 Third Ave., Room 1101, Seattle, WA 98101.

PHILADELPHIA, 9 Sept. — The meeting was held at the WPVI-TV studios with an attendance of 35 members and guests. The



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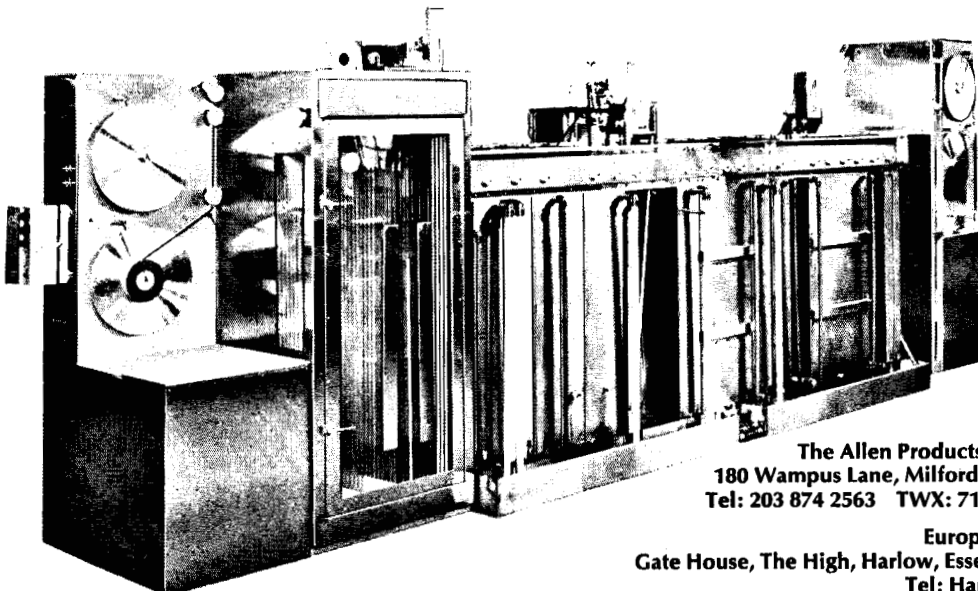
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speakers were Irwin L. Ross of WPVI-TV and Anthony Fiori of Spectra-Vision Corp. Mr. Ross presented a paper on "Parallel Remote Controlled TV Transmitters" and Mr. Fiori spoke on "A Hybrid Editing System Utilizing Super-8 Film and Videotape."

Mr. Ross discussed the evaluation of transmitting systems and the choice of a parallel remote controlled transmitter, the philosophy of choosing the manufacturers, and the installation and shakedown of the equipment and its performance.

Mr. Fiori described the marriage of inexpensive super-8 film pickups with a videotape transfer from film for final editing in a videotape format. He gave a demonstration of the quality of the resultant playback to show the feasibility of the system and the resultant image quality.

Both presentations were followed with live-question and answer periods. — Charles G. Perry III (Secretary-Treasurer), Jerrold Electronics Corp., 200 Witmer Rd., Horsham, PA 19044.

ROCHESTER, 11 Sept. — The meeting, held at the Rochester Memorial Art Gallery with an attendance of 38 members and guests, opened with a movie on the Bolex EL camera. There were three speakers, Joseph Flaherty of CBS, Dennis Donnelly of RCA Corp. and Hartwell Sweeney of Eastman Kodak. Mr. Flaherty's and Mr. Donnelly's presentations were on tape and Mr. Sweeney's presentation (a paper on "A Film for Television News") was given "live." Mr. Flaherty's paper, "An All Electronic News Gathering Station" and Mr. Donnelly's on "Automatic Film Handling and Color Correction in Broadcast and Television Environment" were presented using the Advent Videobeam Projector. — Richard W. Bauer (Secretary-Treasurer), 244 True Hickory Dr., Rochester, NY 14615.

SAN FRANCISCO, 29 July — The meeting was held at KRON-TV with an attendance of 80 members and guests. Subject of the meeting was the CMX System 40 with Stan Becker, Chief Engineer for CMX describing the system — a computer-assisted time code editing system for automated off-line videotape editing — and Peter Knight, CMX Videotape Editor, providing a demonstration. Mr. Becker's presentation was illustrated by videotape and slides. In demonstrating the equipment, Mr. Knight explained some of the methods he used for assembling and editing material. A computer keeps track of editing decisions and scenes and then recalls them in hard copy printout and punched paper tape which can then be used for automated cutting. Edit decisions are also displayed on the video monitor. Edits are recorded at a typewriter-style key-

board at an editing console. — Kay Kibby (Secretary-Treasurer), W. A. Palmer Films, Inc., 611 Howard St., San Francisco, CA 94105.

SAN FRANCISCO, 29 August — San Francisco's annual social meeting was held as it had been in previous years — aboard the former Coast Guard cutter, the Alert, owned by Barry Brose of Highland Laboratories. Sixty members and guests enjoyed the three-hour cruise of San Francisco Bay. The weather was good and the sailing was smooth. The cruise was preceded by a dinner at Castagnola's Restaurant at Fisherman's Wharf. — Kay Kibby (Secretary-Treasurer), W. A. Palmer Films, Inc., 611 Howard St., San Francisco, CA 94105.

SAN FRANCISCO, 10 Sept. — The meeting, held jointly with the Audio Engineering Society, took place at the Eastman Kodak Co. facilities in San Francisco with an attendance of 95 members and guests. The speakers were William A. Palmer of W. A. Palmer Films, Inc., Frank E. Pontius of Westrex Corp. and Joseph A. Semmelmayr of Eastman Kodak Co. Mr. Palmer presented a paper entitled "Optical Sound Review." Mr. Pontius spoke on "Color Photographic Soundtrack for Motion Pictures" and Mr. Semmelmayr's paper was on "The Kodak Stereo Optical System."

Mr. Palmer outlined the history of optical sound including a discussion of variable area and density soundtracks and some photographic considerations affecting them. His presentation, which was illustrated with slides and film examples, explained basic optical sound recording theory and showed how recording equipment had been designed and developed.

Mr. Pontius's paper dealt with the new color photographic soundtrack for motion pictures. A new type of stereo track utilizes the red and green layers of color film. The stored information is read out as a color ratio. Mr. Pontius illustrated his paper with slides showing the equipment used for recording and playback. The system has been built and it is said to give good results with an excellent signal-to-noise ratio.

Mr. Semmelmayr's paper described Eastman Kodak's stereo optical system. Each stereophonic channel is recorded in one-half the area of the normal variable-area soundtrack. The tracks can be recorded with Dolby Type A or Type B noise-reduction system. The method can also be used to produce bilingual tracks with one language on each channel. A stereophonic sound and motion-picture demonstration was presented. — Kay Kibby (Secretary-Treasurer), W. A. Palmer Films, Inc., 611 Howard St., San Francisco, CA 94105.

more than 700 super-8 items is available from Super8 Sound, Inc., 95 Harvey St., Cambridge, MA 02140. The 72-page illustrated catalog lists such items as recorders, cameras, editing equipment, equipment for transferring super-8 films to video and other systems and accessories for use in super-8 filming."

Advertisement for Frezzolini Electronics Inc.

AUGUST 1975 *Journal*, p. 647

The picture of the Frezzolini LW-16 professional 16mm ciné camera in the advertisement for Frezzolini Electronics Inc. was printed improperly.



books reviewed

..... An Introduction to Electrooptic Devices

By Ivan P. Kaminow. Published (1974) by Academic Press Inc., 111 Fifth Ave., New York, NY 10003. 410 + xii pp. Diagrams. 6 by 9 in. Price \$17.50.

There has been in recent years a considerable interest in solid-state conduction, and this has resulted in significant advances in electronic devices that formerly depended on conduction by electrons in a vacuum or near-vacuum. This trend has given substantial encouragement to the possibilities of extending the advantages of the solid-state conduction to cases of electrical interaction with light. Applications of gallium arsenide and other compounds have been used over small areas for display purposes, and there have been experiments with solid-state light charge-transfer sensors.

Generalized electrooptical interactions cover first the control (or generation) of light by electrons, and second the control of electrons by light. Obviously to keep his treatment within a reasonable compass, the author has limited his definition of "electrooptic effect" to "a change in the refractive index of a transparent substance induced by an applied electric field." The "devices" namely cover the use of effects essentially as a high-speed electrical light valve.

In the fields of concern to readers of the *SMPTE Journal*, the greatest interest would, presumably, lie in the various schemes utilized in high-speed and scientific photography. In television the interest would seem largely in communication links using lasers or the like. Although the broad title could conceivably suggest eventual camera and receiving screen possibilities, the present status of these and the restricted field would limit the interest here to a general scientific knowledge developed in the text and amplified in the reprints.

The author starts his text with a brief survey of crystal optics and crystallography. This is natural because the involvement of light depends significantly on the crystal structure of the light conducting medium. The author goes into a study of lattice types and their various dimensions and forms of symmetry — which takes some space as it is not simple. He outlines geometric properties of vectors and tensors of various ranks, and effects of rotations and other transformations. Then follow characteristics of light propagation in anisotropic crystals and wave vector surfaces, the optical indicatrix, birefringence and wave plates. He gets into group velocity for pulses and, finally, crystal optical activity. A second chapter considers non-linear dielectric effects, involving modulation and more complicated electrooptical phenomena. A substantial part of the book is then devoted to reprints of his more substantive citations. These constitute an unusual

Errata

OCTOBER 1975 *Journal*, p. 826

The first item under the heading **Booklets and Brochures**, "The Super8 Sound Recorder User's Manual" appears with an erroneous ampersand (&) after "Sound." The ampersand is incorrect and should be disregarded in reading the item.

The second item under that heading is also erroneous. Instead of "The Super8 Sound Recorder User's Manual ..." the second item should read as follows:

"The Super8 Sound™ Catalog listing