
SECTION MEETINGS

Detroit, January 18 — A presentation on the SP-2000 Motion Analysis System was given by Steven Semenuk, Spin Physics. The SP-2000 has several unusual features, he said, including a very rugged solid state image pickup and the ability to record for almost one minute at 2000 frames/sec and a maximum recording rate of 12,000 frames/sec.

Following the description of the system, the camera was used to record the action of a rat trap at various frame rates, demonstrating the differing motion-stopping capabilities. The unit's electronic cursor and computer interface were connected to an Atari 400 computer, which then made graphs of the displacement, velocity, and acceleration of the trap's wire bail. The multiple image capability of the unit was demonstrated by showing, from two different viewpoints, the pull-down and shutter of a motion-picture camera.

The meeting was held at the Sandy Corp. theater with 45 persons present. — Charles Nairn (Secretary-Treasurer), Communications Technology, Inc., 909 Fisher Bldg., Detroit, MI 48202.

Detroit, February 15 — The meeting was held at a new television broadcast facility, the first that had been built in the Detroit area in many years. WDIV-TV, Channel 4 (formerly WWJ-TV) had outgrown its

30-year-old buildings, so a new studio complex was constructed next door to the existing location. Linc Reed-Nickerson, Chief Engineer, and Marcus Williams, Assistant Chief Engineer, together with Charles Chave and Gary Williams, took groups of 25 to 35 people (125 in all) on tours of the building. Office, engineering, studio, news, weather, and editing areas, as well as the exercise room, power and dimmer room, and scene shop were all included in the tour.

Liberal use of frame synchronizers has minimized sync errors and eliminated gen-locking to the "outside world" of ENG and other live feeds. Internally, a comprehensive distributed-sync system permits each studio or production area to operate independently, yet allows for easy switching between studio sources. Film is never aired directly at WDIV in order to allow color correction with a CBS Color Corrector during transfer to 1-in. videotape. The entire complex is wired for stereo audio.

At a gathering in the atrium lobby, Reed-Nickerson and Chave discussed the logistics of designing, planning, and moving to the new facility. Chave noted that the extensive planning led to such a smooth transition that it felt "anti-climactic" when, at the transmitter site, the signal was transferred from the old studios to the

new. — Charles Nairn (Secretary-Treasurer), Communications Technology, Inc., 909 Fisher Bldg., Detroit, MI 48202.

Hollywood, January 11 — Theme of the program was Film to Electronics. Bill Hogan, President, Ruxton Ltd., gave a presentation entitled "Filming at 30 Frames/sec for Transfer to Tape" before an audience of 400 at the MGM Studio Theater. He discussed the advantages of the 30 frames/sec rate for transferring 16- and 35-mm motion-picture film to videotape for television programs and commercials. He noted that matching the film frame rate to the video frame rate was an advantage in that it tended to eliminate the strobing produced by 3:2 conversion. Also, he said, the shutter is moving faster in the film camera; this makes the exposure shorter resulting in a sharper image of moving objects. His presentation included a demonstration of transfers made using the 30 frames/sec technique.

The second guest speaker was Dr. Roderick T. Ryan, Eastman Kodak, who described DataKode, a new technology developed at Eastman Kodak. Dr. Ryan defined the DataKode magnetic control surface as a transparent magnetic response layer coated on the entire back surface of film during the manufacturing process. This extremely thin layer of magnetic oxide can record at least 100 binary bits of information in a single track for each picture frame, i.e., more than enough to record the standard 8-digit SMPTE time code, he pointed out. — L. John Spring, Jr. (Secretary-Treasurer), Eastman Kodak Co., P.O. Box 38939, Hollywood, CA 90038.



Satellite Control Centre at Telesat Canada, Ottawa, Ont., shown to members and guests at the Ottawa Section meeting, January 20.

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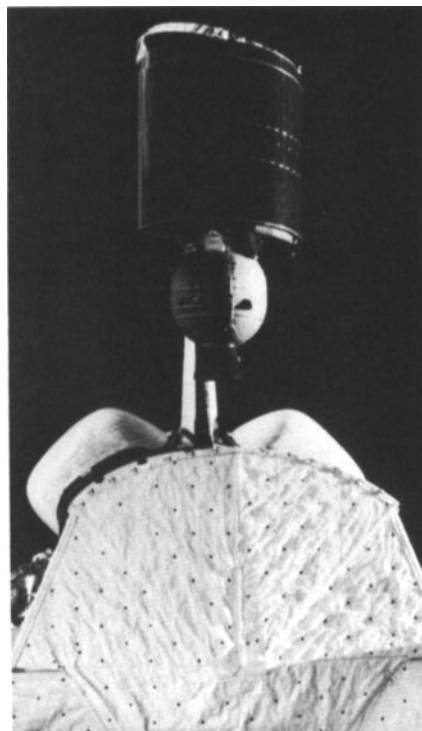
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Nashville, January 13 — Ira Tiffen, General Manager of Tiffen, described the filters manufactured by his firm for an audience of 100 assembled at Kingswood Studios. He illustrated with slides and two projectors the many uses of various filters ranging from the standard to the exotic and filters used for special artistic effects. — Dixie Lee Parman (Secretary-Treasurer), Kingswood Productions, 810 12th Ave., Nashville, TN 37203.

Ottawa, January 20 — The meeting, which had for its subject Telesat Canada and the Anik C and D Satellites, was held at Telesat Canada headquarters in Ottawa with five members of the staff participating in the program.

John Campbell, Information Officer, presented a brief history of the development of Telesat Canada describing the Anik Satellites A through D and the associated Earth stations, followed by a tour of the Satellite Control Centre. The Centre controls the satellites shortly after launch. Herman Maier, Satellite Operations Technician, described the Centre and told how the four existing satellites are controlled through telemetry via Allen Park earth station just north of Toronto.

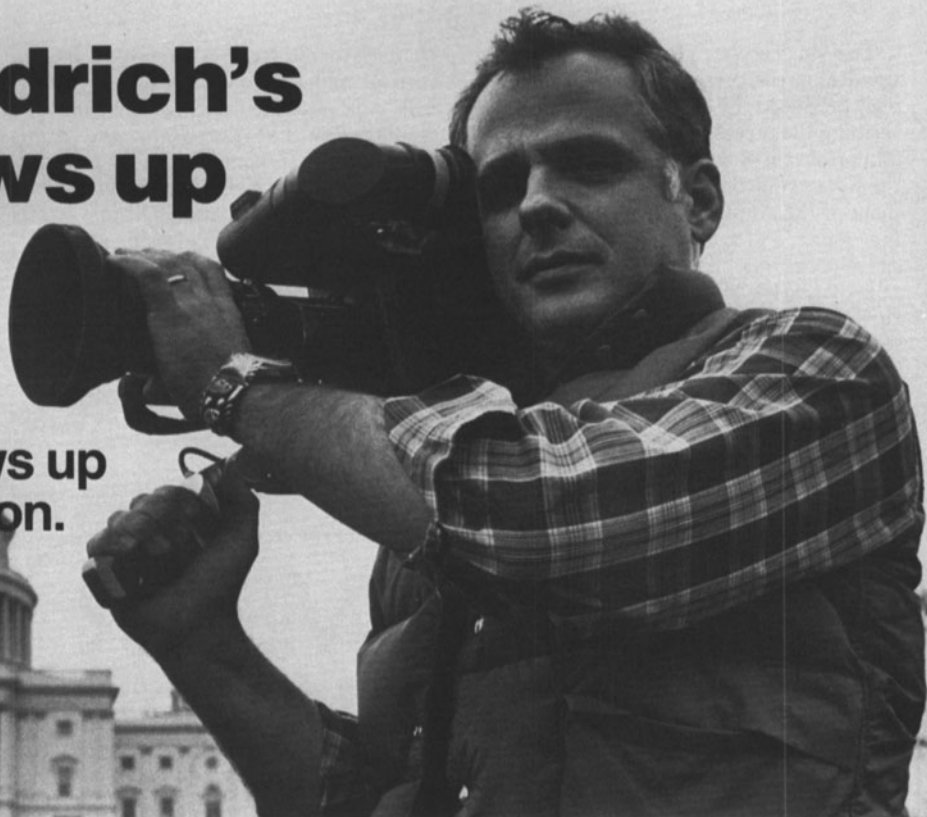
Joe Bedard, Manager, Administration and Satellite Control Centre, gave a description of the computer control incorporating nine computers at Allan Park and four in Ottawa. The computers are used for the reception analysis and transmission of telemetry between the Control Centre and the satellites.



Deployment of the Anik C Satellite from the Space Shuttle Columbia, November 12, 1982, from videotape shown to members and guests at the Ottawa Section meeting, January 20.

George Fridrich's name shows up on a lot of awards.

Only one name shows up on his lenses—Fujinon.



Network news cameraman George Fridrich covers the nation's Capital. Assignments also take him across the country. But wherever he goes, his work speaks with authority. The most prestigious awards confirm it.

The White House News Photographers Association named him "newsfilm photographer of the year" for 1982. (They did the same for 1981 and 1979.) And he received first place awards for spot and feature news in 1982 from the National Press Photographers Association.

Obviously, George Fridrich has his choice of lenses. For years, his choice has been Fujinon, exclusively. Here, in his words, are his reasons:

"Fujinon lenses deliver great performance and reliability. I use two of them, I abuse them and they hold up. They get knocked around and still perform often under the worst conditions. The fact is, you just can't go wrong with any Fujinon lens. On top of that, Fujinon's support and service are fantastic."

George's basic lens is a Fujinon 14X zoom with built-in 2X extender. When he can't get in close, the lens will and because its maximum F1.7 aperture stays flatter, farther, George can still get the brighter, higher contrast picture quality he demands. His second lens is Fujinon's exclusive 3.5x6.5 wide angle zoom. With an MOD under one foot, no assignment is ever missed because of tight quarters.

Incidentally, although George didn't receive the White House News Photographers' award for 1980, Pete Hakel (WJLA, Washington) did. He won with Fujinon, too. It's not a coincidence. According to Pete, "90% of the ENG work in D.C. is Fujinon."

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FUJINON

Darwin Veroba, Coordinator, Promotion Resources, presented three videotapes: one produced by Hughes Aircraft describing the process of the launch of a satellite from the Space Shuttle; one showing the Space Shuttle launch and the deployment of the Anik C from the Shuttle last November; and one describing the current space program of Telesat Canada. Bernie D'Lima, Sales Manager, Broadcast Services, described the development of satellite technology, the associated components, and the simplicity of spin stabilized satellites. He explained the frequencies used and the methods of transmission in the Anik C and D satellites. To provide 32

channels in four spot beams across Canada, vertical and horizontal frequency polarization is used. He listed current users including Pay TV, the *Globe and Mail* newspaper's transmission for printing across the country, and conventional network television distribution. D'Lima spoke of the future, looking toward increased distribution of television programs and the transmission of the digital audio signals.

The presentations were followed by a lively question-and-answer period. The meeting was attended by 50 members and guests. — Ross Mutton (Chairman), P.O. Box 2427, Sta. D, Ottawa, Ont., Canada K1P 5W5.

Toronto, January 11 — Three guest speakers, all with Kodak Canada, spoke before an audience of 70 assembled at the Kodak Canada auditorium. Ed Malec spoke on "Film and the Future," a paper originally presented at the Society's 124th Conference by the author, Judith Schwan, Assistant Director, Kodak Research Laboratories. The paper includes a discussion of advances that have been made in color negative products in recent years and an explanation of the possibilities of newer silver halide technologies which might be applied to the motion-picture and television industries. Also discussed was the film-electronics interface and some of the exciting realities and possibilities seen in the marriage of these two fast-growing technologies.

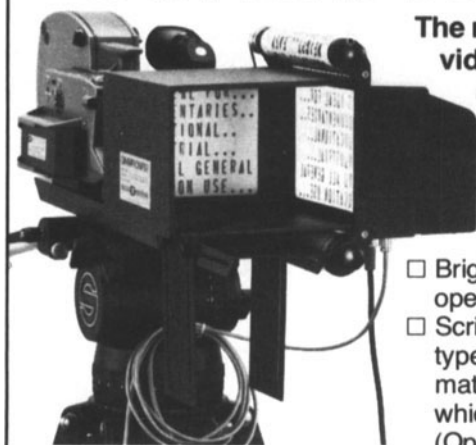
F. Goodall presented a paper entitled "A New 16-mm Eastman Kodak Film 7291." The film, it was explained, is balanced for tungsten illumination rated at EI 100 and compatible with process ECN-2. Goodall reviewed the film's structure characteristics, which indicated improved grain, sharpness, dye stability, and pushability. A 16-mm demonstration film was shown.

Colin Davis presented a paper entitled "Improved High Speed Eastman Color Negative Films 5294 and 7294." He explained that the recommended tungsten Exposure Indexes for these films are EI 400 for 35-mm 5294 and EI 320 for 16-mm 7294. Davis reviewed the technical characteristics of the films, noting the increase in speed in 35-mm 5294 and reduction in print graininess in 16-mm 7294. Demonstration prints in 16-mm and 35-mm formats were projected.

A question-and-answer period took place at the end of the presentations. One of the questions from the audience was, "Can the new technology be applied to the reversal films?" The answer was: "No, because the technology is different." — Fung F. Lam (Secretary-Treasurer), Sony of Canada Ltd., 411 Gordon Baker Rd., Willowdale, Ont., Canada M2H 2S6.

Washington, D.C., January 26 — The meeting was held in the ABC News Bureau building, which has been in operation for about 18 months and is already approaching full utilization of the space requirements projected for 1986. Over 550 staff members are assigned to the Washington ABC News Bureau including correspondents, producers, directors, editors, and technical and engineering people. After opening comments by Bill Fowler, Director of Engineering, the audience, composed of 70 members and guests, was divided into four groups for a tour of the Bureau facilities. Assisting Fowler in conducting the tours were Bob Miller, Director of TV Operations, Bruce Miller, Manager of TV Operations, and James Mallon, Technical Manager. Bill Young of Health and Human Services arranged the excellent program. — Kenneth R. Knaus (Secretary-Treasurer), 3137 Windwood Farms Dr., Oakton, VA 22124.

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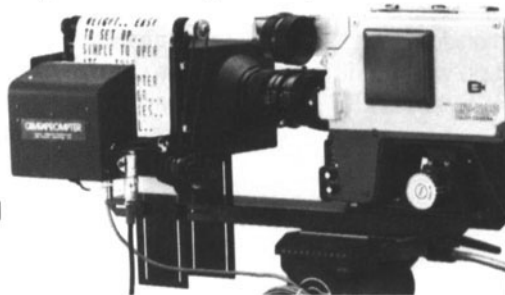
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