



San Francisco Section Vice-President John A. Carlson, William C. Shaw, Imax, and two projectionists view Imax film being loaded for projection at the January meeting.

precision into making and projecting images. The 3-D camera on location weighs about 560 lb and is maneuvered by a 3-axis gyro system used to feed signals to servo motors to make the camera pan, tilt, and roll. This provides a certain degree of mobility and work is being done to improve this. Other technology is currently being prepared for Expo 1992 in Seville, Spain. Shaw provided details on Imax films presented at previous Expos.

Burt discussed the film *Blue Planet*, of which he is the sound director and direc-

tor. It is the third in a series of space films by Imax. He described to the audience some of the difficult lessons he learned during the filming, such as don't shoot film unless you have to because of short loads in the camera. He said that one has to be very careful and develop an instinct for the right moment to press the trigger in this format. He also noted that contrary to what one learns in physics, there is sound in space. In addition to sending Imax cameras into space, a tape recorder was also sent and the astro-

nauts did a splendid job in getting wild lines and sound effects recorded on the shuttle. Thus *Blue Planet* represents, in a very realistic fashion, the sound track of space. — Vernon L. Kipping (Chairman), Consultant.

Washington, D.C., January 24, 1991 — Over 75 people attended the January meeting of the Washington, D.C. Section, held at PBS headquarters in Alexandria, Va. Philip Livingston, Panasonic Broadcasting Co., presented a tutorial on his company's 1/2-in. composite digital VTR. Using a slide presentation, he described the format and compared it to D-2. Ralph Beismeyer, a freelance editor, conducted an editing demonstration using two AJ-D350 DX recorders. The machines were specially flown in by NHK in Japan to support the meeting. This was the first time such machines were shown at the SMPTE section-level in the U.S. Following the presentation, Jim Hargreaves, PBS, gave a tour of the headquarters and the technical operations center. The attendees were particularly interested in the new automated time zone delay system and how it satisfies the transmission of programs to network affiliates spread over five time zones. — Raymond C. Benedict (Secretary/Treasurer), Westinghouse Communication Services, Inc.

Letter to the Editor

Dear Sir,

It has recently been pointed out to us by yourself that five paragraphs contained in our paper¹ as published in your Journal, are very similar to sections of the paper by Smith and Dumbreck,² and also that we omitted to refer to the latter paper in our own.

We fully accept that we failed to acknowledge properly the original authorship of the sections concerned and can only offer, by way of explanation but not excuse, that at no stage was any deceit intended.

We wish to apologize publicly and unreservedly to yourself, to your readers, and particularly to Smith and Dumbreck for the distress which we have caused them, and which we very much regret.

Yours faithfully,

Haruo Isono
Minoru Yasuda

1. H. Isono and M. Yasuda, "Flicker-Free Field-Sequential Stereo-scopic TV System and Measurement of Human Depth Perception," *SMPTE J.*, 99:136-141, Feb., 1990.
2. C. W. Smith and A. A. Dumbreck, "3-D TV: The Practical Requirements," *Television: J. Royal Television Society*, 25:9-15, Jan./Feb., 1988.

News

The annual SMPTE Rochester, Montreal/Quebec, Ottawa, Toronto Mini-Conference will be held May 10 to 12, at the Dryden Theater of the George Eastman House in Rochester, N.Y. The theme of this year's event is "Images for the 1990s and Beyond," and it will address such topics as film technology, digital/film interface, advanced and high-definition television, and the preservation of film and tape. Those who preregister will pay an admission fee of \$45, while those who register on-site will be charged \$52. For more information, contact Alan Masson, Eastman Kodak Co., MP&TV, 3/6/KO, MC 00315, 343 State St., Rochester, NY 00315.

The 1992 International Broadcasting Convention (IBC) will be held July 3 to 7, at the RAI International Congress Centre in Amsterdam. The event will be sponsored by the SMPTE, the International Association of Broadcasting Man-

ufacturers, The Royal Television Society, the IEE, and the IEEE. For more information, contact IBC Convention Office, Savoy Place, London WC2R 0BL, England.

William G. Bakonyi has been named product marketing manager for MII 1/2-in. video products for Panasonic Broadcast and Television Systems. He will be responsible for promoting and supporting both direct sales and the company's dealer sales network. He previously served as national manager, technical training and publishing for Panasonic Broadcast Systems Co., senior engineer for video systems at Panasonic Industrial Co., training engineer, Matsushita Services Co., and video field representative at Panasonic Co. In addition, he was a recipient of an engineering award for an SMPTE time code editing system from the National Academy of Motion Picture Arts and Sciences.

A brand new book available at a special price—

A Television Continuum—1967–2017

SMPTÉ's new book, **A Television Continuum—1967–2017**, contains a collection of technical articles that marks both SMPTÉ's 75th Anniversary and its 25th Annual Television Conference. As the title suggests, the idea was to return to the time when the first TV conference was held to see what were then the established technologies, then trace the progress of those and still newer technologies through the present and into the future. The papers, all presented at this milestone television conference that was held in Detroit on February 1–2, 1991, are by established experts in their fields. The book is intended to serve as a window from which to see the rapid evolution of modern television technologies, particularly for those in broadcast engineering and engineering management. Now, for a limited time only, this important book is available at the special introductory price of \$20 to all. After May 1, the price goes up to \$35 (\$28 to SMPTÉ members).

Contents

Foreword, Frank J. Haney

Preface, Rudolph J. Kryger

Opening Address, Frank J. Haney

The Changing Role of the Television Engineer, Irving S. Rosner

The Past Quarter Century and the Next Decade of Video Tape Recording, Hiroshi Sugaya

Fiberoptic Circuit Transportation of Video Signals: A Solution Without an Urgently Perceived Need, C. Robert Paulson

Multi-Channel Applications of Cart Machines, Ray Baldock, Tim Crabtree, and David Lewis

Progress Report from SMPTÉ Ad Hoc Group for ES-Net, Marc S. Walker

Techniques for High-Accuracy Measurements in HDTV Systems, Ed Wardzala

Fast Audio Measurements for Television Network and Satellite Service Using Digital Techniques, Richard C. Cabot

New Technology in Still Stores—What Are the Implications? Bob Pank

A Study of the Most Suitable Level and Width of DTL Signals for CCD Camera, Hiroshi Kouchi and Tohru Mochizuki

Development of the Super-HARP Camera, a Rival to the Human Eye, for the Next Generation of Broadcasting, Junichi Yamazaki, Kenkichi Tanioka, and Keiichi Shidara

A ½-In. High-Definition VCR with a Single-Channel Analog Baseband Recording Method, Takashi Furuhashi, Hiroaki Takahashi, Kichizaemon Okazaki, and Michiyori Miura

Plotting a Course to an All-Digital Television Facility, P.G. Whittingham and J. Howells

Proposal for Error Detection and Handling in Studio Equipment, Bob Elkind and David Fish

Video Compression and Noise Reduction Using Transform/Subband Coding and Adaptive Amplitude Modulation, David M. Baylon and Jae S. Lim

Clock Rate Conversion for Digital Video, J. Hamalainen

The All-Digital Television Plant, Frank Davenport

The Opportunities of Signal Monitoring in a Large Serial Digital Plant, Robin Wilson

Experimental Digital VCR with New DCT-Based Bit-Rate Reduction and Channel Coding, Naoki Endoh, Shigeo Kizu, Toshinori Odaka, Keisuke Ogi, Kenji Shimoda, and Masaaki Tamura

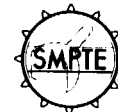
Format Choices for the Future, Ken Shaw

Open Architecture Television, V. Michael Bove, Jr., and Andrew B. Lippman

Plasma-Addressed Liquid Crystal (PALC), a New Flat-Panel Technology for Full-Color Video, Thomas S. Buzak

To order **A Television Continuum—1967–2017**, use the form below and send a check, money order, or credit card number (Visa, MasterCard, or American Express) to SMPTÉ Books, 595 W. Hartsdale Ave., White Plains, NY 10607. To place a credit card order by phone, call (914) 761-1100. Ask operator for book order department.

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Engineering News

SMPTE Approves New Engineering Procedures

A revised set of procedures for the work of the SMPTE engineering committees has been approved by the Society's Board of Governors. These new procedures are expected to reduce the minimum processing time for SMPTE Standards, Recommended Practices, and Engineering Guidelines by approximately one-half, to just under one year.

Key changes in the new procedures include the elimination of one redundant approval stage, reducing the requirement for consensus from two committee stages to one while maintaining due process at both levels, enlarging the role and authority of the Engineering Directors and the Steering Committees which they chair, and enlarging the authority of the Standards Committee.

In addition to consolidating and clarifying the old procedures, the new procedures officially recognize what has long been perceived by the industries that use SMPTE engineering documents, which is that SMPTE documents are final, approved documents in their own right. SMPTE Standards will continue to be forwarded to other standardization organizations for adoption under their own procedures.

Some Technology Committees have been restructured to better organize the work currently under way and seen for the future, and a new Committee on Hybrid Technology has been formed to work on film/electronic and advanced moving image technologies. The Committee on New Technology has been eliminated, with new and developing technologies to be considered within the appropriate Technology Committees.

The new administrative procedures will be implemented immediately with the changes in Technology Committee structure to take effect January 1, 1992. All of the work currently under way in the Society's engineering committees will continue, with some of the subgroups reporting to different Technology Committees after the first of the year.

SMPTE Monthly Engineering Meeting Schedule

The adjacent calendar shows the dates and times of upcoming meetings and the cities where they will be held. Specific locations may not yet be determined. Information on participation in these meetings is available from the Engineering Dept. at SMPTE Headquarters, (914) 761-1100.

May

20	2:00 p.m.	Studio Video Standards	Los Angeles, Calif.
Mon.	6:00 p.m.	T14.22 (P. Symes)	
21	9:00 a.m.	Studio Video Standards	Los Angeles, Calif.
Tues.	5:00 p.m.	T14.22 (P. Symes)	
22	9:00 a.m.	Advanced Tele. Production	Los Angeles, Calif.
Wed.	12:30 p.m.	T14.39 (F. Remley)	
22	1:30 p.m.	High Def. Electronic Prod.	Los Angeles, Calif.
Wed.	5:30 p.m.	N15.04 (D. Stumpf)	
22	9:00 a.m.	Time and Control Codes	Los Angeles, Calif.
Wed.	5:00 p.m.	V16.25 (J. Hamalainen)	
23	9:00 a.m.	D-1 and D-2 Applications	Los Angeles, Calif.
Thurs.	5:00 p.m.	V16.03 (B. Weber)	
23	9:00 a.m.	Television Technology	Los Angeles, Calif.
Thurs.	2:00 p.m.	T14 (M. Weiss)	
23	9:00 a.m.	Editing Procedures	Los Angeles, Calif.
Thurs.	5:00 p.m.	V16.27 (O. Morgan)	
24	9:00 a.m.	Television Recording	Los Angeles, Calif.
Fri.	2:00 p.m.	and Reproduction Tech. V16 (T. Cavanagh)	

August

19	10:00 a.m.	Studio Video Standards	Chicago O'Hare
Mon.	5:00 p.m.	T14.22 (P. Symes)	
20	9:00 a.m.	Studio Video Standards	Chicago O'Hare
Tues.	3:00 p.m.	T14.22 (P. Symes)	
21	9:00 a.m.	Time and Control Code	Chicago, Ill.
Wed.	5:00 p.m.	V16.25 (J. Hamalainen)	
22	9:00 a.m.	D-1 and D-2 Applications	Chicago, Ill.
Thurs.	5:00 p.m.	V16.03 (B. Weber)	
23	9:00 a.m.	Television Recording	Chicago, Ill.
Fri.	2:00 p.m.	and Reproduction Tech. V16 (T. Cavanagh)	

September

10	9:00 a.m.	High Def. Electronic Prod.	Chicago, Ill.
Tues.	12:30 p.m.	N15.04 (R. Stumpf)	
10	1:30 p.m.	Advanced Tele. Production	Chicago, Ill.
Tues.	5:00 p.m.	T14.39 (F. Remley)	
11th	9:00 a.m.	New Technology	Chicago, Ill.
Wed.	2:00 p.m.	N15 (W. Nicholls)	

October

31	9:00 a.m.	Studio Video Standards	SMPTE Conference
Thurs.	5:00 p.m.	T14.22 (P. Symes)	Los Angeles, Calif.

Introducing The Nikon S19x8B

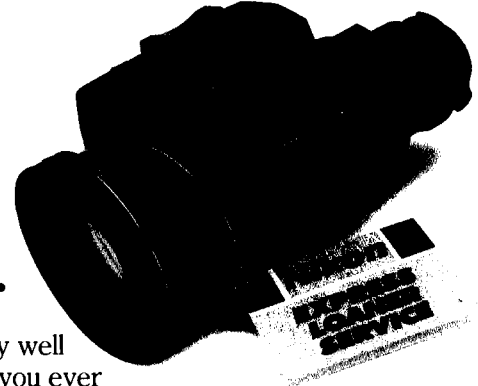
There'll be times it's the only lens for the job.

In the world of ENG/EFP, disasters aren't planned. So you've got to plan ahead. After all, the biggest disaster is being on the scene but too far back to get the shot. That's why Nikon went to great lengths to create the S19x8B Lens for CCD cameras.

For a lens of this range, it's wonderfully light and maneuverable. So you never have to get too close to get close enough. The smooth zoom whisks viewers right into the heart of the subject matter.

From making our own glass to the final QC tests, we make sure the S19x8B is worthy of the Nikon name. Extra-Low Dispersion (ED) glass, Nikon anti-reflection coating, high-flat MTF curve, it has it all, and more, all wrapped up in a rugged housing of magnesium alloy.

And never a time it isn't.



The S19x8B may well be the only lens you ever need. Forget about lugging around a variety of lenses and fumbling around mounting them. The S19x8B's minimum object distance (37") and 8mm minimum focal length, providing expansive wide angle coverage, make it ideal for everyday use as well. That's unsurpassed range for an ENG/EFP lens.

To guarantee you can use it every day, the S19x8B comes with something else that's unsurpassed — Nikon's unique Express Loaner Service. If disaster ever strikes your lens, we'll get you a loaner lens overnight. So now there will never be a time you're really 'out' in the field.

To find out more or for our complete brochure, call 800-NIKON-US or (516) 547-4355 or write: Nikon Electronic Imaging, Dept. D1, 101 Cleveland Avenue, Bayshore, NY 11706.

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