

uses wavelet compression but instead has migrated to JPEG-based Quicktime Native File Format. Quicktime is a codec-based technology, which means it does not have to be compressed for editing, and Quicktime 2.5 (available this summer) will include support for SMPTE time code. Sphere's networking will allow for distributed storage between computers on the network.

Tom Ray, Sony, talked about his company's role as a "Total Solutions" supplier, offering a nonlinear system from acquisition to editing, storage, distribution, and transmission. Ray focused on two principal areas: Betacam SX and DVCAM. Betacam SX is a new digital tape format that records 8-bit, 10:1 compressed video using MPEG 2 4:2:2 Profile@ML compression at a data rate of 18 Mbits/sec. The Betacam SX format can record up to three hours on a large Betacam SP tape, provides full 4:2:2 chroma resolution, and has four digital audio channels. In the nonlinear editing

field, Sony announced the DLE-100 and DLE-110 Live Event editors for sports and news applications and a series of news editors such as the DNE-50 Portable Editor, DNE-300, and the network capable DNE-1000 news editing workstations. DVCAM is Sony's industrial system, encompassing digital acquisition, nonlinear editing, and high-speed networked digital transfer. DVCAM uses 5:1 DCT-based DV compression and is compatible with the consumer based DV tape format.

Doug Wynn, Tektronix, opened his presentation by talking about Grass Valley, Profile Professional Disk Recorder, Lightworks Editing Systems, and Netstations. He made a comparison of the costs of various storage media from RAM, to hard disk, to tape, and felt that the low cost (per megabit) of tape would ensure its future use, especially as an archiving medium. He elaborated on Tektronix's plans to bring multicassette data products to market. He went on to

discuss the developments in Fibre Channel and its adoption as an ANSI standard. — Brad Fortner (Promotions Advisor), Rogers Communications Centre, Ryerson Polytechnic University; Eric Heidendahl (Manager), Sony of Canada, Ltd.; and Michael Martin (Manager), Comlink Systems, Inc.

### Washington, D.C. May 16, 1996

The May meeting was held at Roland House in Arlington, Va., where attendees heard David Tasker, Snell & Wilcox, give a detailed presentation about how and why his company developed motion compensation correction for its high-end standards converters. He demonstrated its effectiveness for a variety of program material. After a question-and-answer period, the 24 participants toured of the Roland House component digital post-production facilities. — Bruce Miller (Manager), PBS

## News

**Kees A. Schouhamer Immink**, an active SMPTE member and member of the Board of Editors, was elected by royal decree to life membership in the Royal Netherlands Academy of Arts and Sciences.



Immink received M.S. and Ph.D. degrees from the Eindhoven University of Technology and joined the Philips Research Laboratories, Eindhoven, in 1968, where he currently holds the position of research fellow. He has contributed to the design and development of a variety of digital consumer-type audio and video recorders such as the compact disc, compact disc video, R-DAT, DCC, and DVD. Immink holds 30 U.S. patents and has written numerous papers and books in the field of optical and magnetic recorders. His accomplishments have been recognized with the SMPTE Poniatoff Gold Medal for Technical Excellence, the AES Silver Medal, the IEE Sir J. J. Thomson Medal, and the IEEE Masaru Ibuka Consumer Electronics Award. He is the chairman of the IEEE Benelux Chapter on Consumer Electronics, and governor of the AES and

the IEEE Information Theory Society.

The Royal Academy, founded in 1808, serves as the advisory body of the Dutch government in all fields of science and focuses on the furtherance of science and technology and their use for the general welfare and management of institutes of fundamental research. Members and for-

eign associates of the Royal Academy are elected in recognition of their distinguished and continuing achievements in original research. It currently has 200 members.

**Steve Maggioncalda** has been named director of engineering at Radium, a new

### SMPTE Personnel Available Via e-mail

E-mail accounts have been set up at Society Headquarters so you can reach SMPTE staff members more easily. Please note the following:

- Fred Motts, Executive Director: fmotts@smpte.org
- Carl Girod, Director of Engineering: cgirod@smpte.org
- Jeffrey Friedman, Editor/Publisher: jfriedman@smpte.org
- John Izzo, Director of Marketing: jizzo@smpte.org
- Andrew Zeyer, Finance Manager: azeyer@smpte.org
- Zoila Figueroa, Administrative Assistant: zfigueroa@smpte.org
- Shellie Anderson, Conference Coordinator: sanderson@smpte.org
- Mark Hyman, Staff Engineer: mhyman@smpte.org
- Daureen Matera, Membership/Computer Services Coordinator: dmatera@smpte.org
- Marilyn Waldman, Advertising/Editorial/Program Coordinator: mwaldman@smpte.org
- Aileen Moroney, Associate Editor: amoroney@smpte.org

San Francisco-based company that will concentrate on producing visual effects for commercials. Maggioncalda is an authority on cross-platform digital networking and has particular expertise in integrating video with computer systems for manipulation in animation, effects, and the Internet. He became involved in the technological side of video while at One Pass, the post-production company that later became known as Editel. His responsibilities while there included assistant editor, master control room supervisor, engineer, and finally technical supervisor with functions in engineering and facility design and integration. Most recently, Maggioncalda was vice-president of engineering for more than four years at Realtime Video, where he designed and constructed the company's new video facility, which included analog and digital online bays and a Quantel Henry suite.



**Raoul Prideaux** has been appointed group chief engineer for Telecasters Australia Ltd., where he will have overall responsibility for the group's operations in Queensland and Northern New South Wales. Prior to his promotion, Prideaux had been chief engineer of TEN Queensland.

**A call for papers** has been issued for "Is THX State of the Art?" being presented by the SMPTE Nordic Section on September 30, 1996. This day-long event will be held at the Royal Cinema, Malmö, Sweden. If you are interested in presenting a paper, or would like further information, contact Nordic Section Chair Morten Jacobsen, Dancan International Sales, Carit Etlars Vej 5, 1814 Frederiksberg C, Copenhagen, Denmark,

tel: +45 40 50 41 80, fax: +45 33 25 90 02, e-mail: dancan@post1.tele.dk.

**"Digital Television: Made to Measure '96,"** a seminar on measurements in the digital domain, will take place in Montreux, Switzerland, November 6 to 8, 1996. This seminar is a joint effort among a number of organizations, including SMPTE, IAB, ITU, DVB, EBU, and the University of Braunschweig. Measurement specialists from around the world come together in one forum and exchange views and assimilate new knowledge in the face of the digital revolution. Among those scheduled to speak are David K. Fibush, Tektronix, and Peter Owen, Quantel. For further information, contact the International Academy of Broadcasting, Montreux, Switzerland, fax: +41 21 961 1665.

## 1996 Progress Report to be published in January 1997

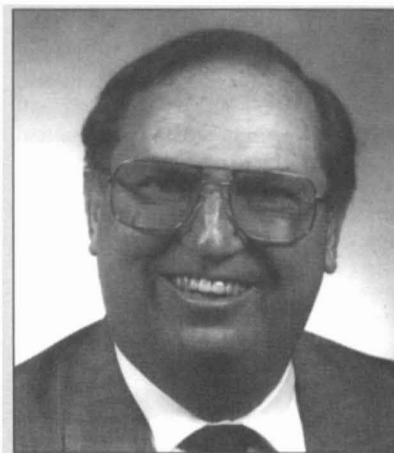
The annual Progress Report, a summary of technological advances in the motion imaging industry, will be published in the January 1997 issue of the *SMPTE Journal*, with Executive Vice-President David L. George, IMMAD Broadcast Services, serving as Chairman of the Progress Report Committee.

As always, the report will be international in scope, with information contributed by industry professionals from around the world. Included in the report will be overviews prepared by members of the Progress Report Committee on the advances made in the various motion imaging fields, developments from SMPTE engineering committees (many of which have worldwide significance), and a report on the Society's educational activities.

### How to Submit Material

Information should be submitted on forms that can be obtained from the SMPTE at the address below. Pictures of new equipment are welcome; glossy black-and-white photographs are preferred.

The basic criteria for acceptance of material is that the information be factual (no opinions or editorializing), that the new developments will be introduced between January 1 and December 31, 1996, and that the material is relevant to the motion imaging industry. All submissions must be received by **September 6, 1996**, and the SMPTE reserves the



David L. George

right to determine the suitability of all material submitted for the report.

If you would like to receive more information, obtain forms, or submit material, contact: Aileen Moroney, Associate Editor, 595 W. Hartsdale Ave., White Plains, NY 10607, (914) 761-1100, fax: (914) 761-3115. Contributions to the report can also be e-mailed to [edit@smpte.org](mailto:edit@smpte.org).

If you fax or mail your material, please send a 3 1/2-in. floppy disk containing your description. The disk must be clearly labeled with your company name and the name(s) of the product, facility, or development you wish to include in the Progress Report.

Please note that **no** material will be accepted after the September 6 deadline.

— Aileen Moroney

### SMPTE Test Films



SMPTE has a full line of test materials for television and motion pictures, including monochrome TV test patterns, color TV subjective reference films and slides, photographic sound test films, magnetic sound test films, and a complete range of projector performance films. Most TV films are available in 35mm, 16mm, and 2 X 2-inch transparencies. The sound films are available in 35mm and 16mm (the magnetic sound films are also available in super 8), and the projector performance films are available in 35mm, 16mm, super 8 and regular 8, depending upon the film type. Films are in stock for immediate shipment. All films are guaranteed.

For your free catalog, write to:

**SMPTE Test Film Dept.  
595 W. Hartsdale Ave.  
White Plains, NY 10607**