

SMPTÉ Television Engineering Committees Meet

Tektronix graciously played host to several SMPTÉ Television Technology Committees in Beaverton, OR, on March 3-6, 2002. The committees addressed key issues and

new developments in various standards. Among them was an important item concerning the Material Exchange Format (MXF) and its applications. The MXF files are based on SMPTÉ KLV coding according to SMPTÉ 336M.

The committees that met at Tektronix included: Television Recording and Reproduction Technology (V16); Television Systems Technology (S22); Television Image Technology (I23); Video Compression Technology (C24); Metadata and Wrapper Technology (W25); File Management and Networking Technology (N26); Data Essence Technology (D27); Television Audio Technology (A29); and Registration and Identification Technology (R30).

The next series of meetings will be held in Portland, ME, in June 2003, and we invite you to join any of our Engineering Committees. In order to develop standards, SMPTÉ relies on the expertise and knowledge of individuals in the field.

There are three categories of participation: producers, users, and general interest. You can also choose to be a Participant or an Observer. For more information on how you can steer the industry by joining one of SMPTÉ's Engineering Committees, visit our website at www.SMPTÉ.org.

—Carlos V. Girod, Jr., P.E., Director of Engineering

John Cerquone Joins Avid Technology



Avid Technology Inc. has appointed John Cerquone as broadcast account manager. In his new position, Cerquone will call on a list of accounts that primarily consists of all call-letter television standards and television stations groups in the Northeast Region.

Cerquone is a senior sales professional with over 20 years experience in the broadcast industry. He has extensive experience with all facets of audio and video products and services. Most recently, he worked as the CEO of CER-TEC Inc. Prior to that he was an account manager at Sony Electronics for ten years, where his skills in sales planning, and introducing new products and technologies led to recognition for excellence in developing and maintaining client relationships. Cerquone has been active as a sustaining member of the Society of Broadcast Engineers (SBE) and SMPTÉ. He has served as chairman of the Rochester Section and was recently nominated for the position of Eastern Region Governor.



SMPTÉ Engineering Vice-President Peter D. Symes, (c) thanks Todd Biddle, General Manager, Tektronix Video Product Line, (l) and David Fibush (r) for hosting the meetings.

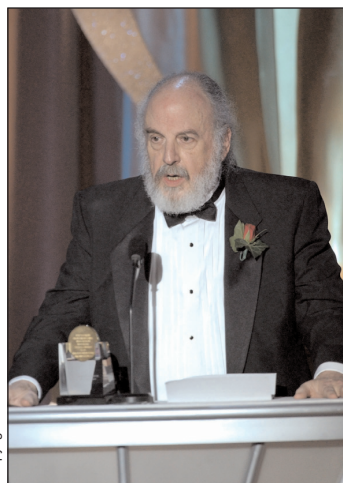
75th Annual Academy Awards

Scientific and Technical Awards

The Academy of Motion Picture Arts and Sciences presented two Bonner Medals of Commendation, along with 12 Scientific and Technical achievement awards on March 1, 2003, at the Regent Beverly Wilshire Hotel in Los Angeles, CA.

Richard Glickman and Curt Behlmer each received a Bonner Medal for their longstanding support of service to the Academy and the motion picture industry. Named in honor of the late director of special projects at Warner Hollywood Studios, the Bonner Medal is award-

ed for outstanding service and dedication in upholding the high standards of the Academy of Motion Picture Arts and Sciences.

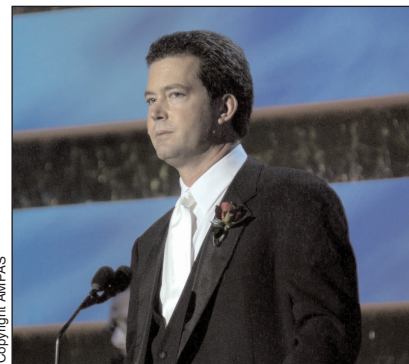


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Richard Glickman

Burbank) into a partially automated facility intended for both film and television production. In 1964, Glickman was honored by the Academy with a Technical Achievement Award for these advancements in the design and application to motion picture photography of lighting units using quartz iodine lamps. During his 11-year tenure at ColorTran he was active on the Education Committee of the Hollywood Branch of SMPTÉ, and presented technical papers at the organization's national conferences.

Behlmer has dedicated his career to developing and implementing technology applications to further the quality of motion pictures. Currently as a managing partner with Digital Cinema Ventures, he is responsible for systems development and deployment of advanced technology



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Curt Behlmer

solutions for motion picture exhibition. Recently, with ShoWorks Entertainment, Behlmer designed state-of-the-art digital screening rooms and post-production facilities in Hollywood, San Francisco, and New York. He is also currently serving as Chairman of the Digital Cinema Standards Committee (DC28) of SMPTE.

Scientific and Technical Awards

Scientific and Technical Awards are given for devices, methods, formulas, discoveries, or inventions of special and outstanding value to the arts and sciences of motion pictures that also have a proven history of use in the motion picture industry.

Academy Award of Merit (Oscar statuette) are given for basic achievements that have a definite influence on the advancement of the industry. The following were recipients:

- **Alias/Wavefront**, for the development of a 3-D animation, dynamics, modeling, and rendering production tool known as Maya. With its significant and dominant impact on the motion picture industry, the Maya software package offers a robust and widely used commercial visual effects tool with a rich infrastructure for extension and customization.

- **Arnold & Richter Cine Technik** and **Panavision, Inc.**, for their continuing development and innovation in the design and manufacturing of advanced camera systems specifically designed for the motion picture entertainment industry. With a commitment that lies beyond the usual commercial considerations, these two manufacturers continue to lead the industry in developing and introducing products that have defined state of the art in motion picture camera technology.

Scientific and Engineering Awards (Academy plaques) are given for those achievements that exhibit a high level of engineering and are important to the progress of the industry. Awards were given to:

- **Glenn Sanders** and **Howard Stark** of Zaxcom, for the concept, design, and engineering of the portable Deva Digital Audio Disk Recorder. This innovative design employs advanced hard disk recording technology and digital audio techniques for use in both production and post-production recording applications.

- **Mark Elendt**, **Paul H. Breslin**, **Greg Hermanovic**, and **Kim Davidson**, for their continued development of the procedural modeling and animation components of their Prisms program, as exemplified in the Houdini software package. Through a procedural building-block process, the Houdini software is used to simulate natural phenomena, using particle effects and complex three-dimensional models.

- **Dr. Leslie Gutierrez**, **Diane E. Kestner**, **James Merrill**, and **David Niklewicz**, for the design and development of the Kodak Vision Premier Color Print Film, 2393. This film stock provides filmmakers with enhanced color saturation, higher contrast, and darker blacks, producing a bold, colorful look on the theater screen.

- **Dedo Weigert** for the concept, **Dr. Depu Jin** for the optical calculations, and **Franz Petters**, for the mechanical construction of the Dedolight 400D. This uniquely designed set light provides superior performance, reliability, and ease of use. Combined with its excellent array of accessories, the Dedolight 400D is an outstanding engineering achievement.

Technical Achievement Awards (Academy certificates) are given for those accomplishments that contribute to the progress of the industry. The recipients were:

- **Dick Walsh**, for the development of the PDI/Dreamworks Facial Animation System. This effective software simulation system is used to create and control natural, expressive, highly-nuanced facial animation on a wide range of computer-generated characters.

- **Thomas Driemeyer** and the **Team of Mathematicians, Physicists, and Software Engineers of Mental Images**, for their contributions to the Mental Ray rendering software for motion pictures. Mental Ray is a highly programmable computer-graphics renderer incorporating ray tracing and global illumination to realistically simulate the behavior of light in computer-generated imagery.

- **Eric Daniels**, **George Katanics**, **Tasso Lappas**, and **Chris Springfield**, for the development of the Deep Canvas rendering software. The Deep Canvas software program captures the original brush strokes of the traditional background artist to render elements in three dimensions for animated films.

- **Jim Songer**, for his contributions to the technical development of video-assist in the motion picture industry. The work of Jim Songer from 1968 through 1973 led directly to more widespread acceptance of video-assist in the motion picture industry.

- **Pierre Chabert** of Airstar, for the introduction of balloons with internal light sources to provide set lighting for the motion picture industry. These helium-filled balloons with internal arrangements for tungsten halogen, and HMI light sources are usable indoors or out, quick to set up, require essentially no rigging, and provide a soft light that can cover a very large area.

- **Rawdon Hayne** and **Robert W. Jeffs** of Leelium Tubelite, for their contributions to the development of internally lit balloons for motion picture lighting.