

# Honors and Awards

*The Society presents a number of awards each year, in recognition of outstanding achievement. The Annual Honors and Awards Ceremony and Reception will be held on Thursday, November 10, 2005, during the 147th Technical Conference and Exhibition.*

## The SMPTE Progress Medal Award

*The purpose of the Progress Medal is to honor an individual by recognizing outstanding technical contributions to the progress of engineering phases of the motion picture and/or television industries.*

This year's recipient, **S. Merrill Weiss**, is a consultant in electronic media technology, technology management, and management. Much of Weiss's 38-year career has been devoted to the development of new television and advanced imaging, and communications technologies. In 1981, he produced the tests that led to the first international digital television standard. He later conceived the approach that permitted the industry transition from 8-bit to 10-bit digital video systems and enabled the widespread use of serial digital interfaces as embodied in the SMPTE Serial Digital Interface (SDI) standards. Weiss was also instrumental in instigating and developing the first standards to deal with metadata, before it was known by that name.

A SMPTE Fellow, Weiss served as SMPTE Engineering Director for Television from 1996 to 1999. He has chaired seven major SMPTE Working Groups and Technology Committees, and also served as co-chair of the joint SMPTE-EBU Task Force on Harmonized Standards for the Exchange of Program Material as Bit Streams. Weiss is also active on the Advanced Television Systems Committee and also served on working parties of the Federal Communications Commission (FCC) Advisory Committee on Advanced Television Services.

Weiss was the recipient of the Society's David Sarnoff Gold Medal Award in 1995. He has published several books and well over 100 papers. He has one issued patent and one pending.



## The Eastman Kodak Gold Medal Award

*The purpose of this award is to honor the recipient by recognizing outstanding contributions that lead to new or unique educational programs utilizing motion pictures, television, high-speed instrumentation, photography or other photography sciences. The award recognizes developments in equipment, systems or instructional applications that result in advancing the educational process at any or all levels.*

**James F. MacKay**, this year's recipient, retired from Kodak in 1998, where he worked for 37 years. Most of his tenure at Kodak was spent in the motion picture and television division, serving in various capacities in sales, marketing, and general management. He has worked in marketing research and as director of marketing planning, district sales manager, regional sales manager, director of strategic training and development, and is founder and director of the Kodak Worldwide Student Program and Emerging Filmmakers Program.

A member of SMPTE, MacKay served as Membership Chair of the SMPTE Chicago Section. In addition, he has served on the Board of Directors of CINE, and also as educational vice-president. He currently serves on the Board of Trustees of the University Film and Video Foundation.



## The John Grierson Gold Medal Award

*This award recognized an individual for technical achievements related to the production of documentary motion picture film and significant contributions to the technology of documentary film production.*

This year's recipient, **Ken Burns**, has been making films for more than 30 years. Since the Academy Award-nominated *Brooklyn Bridge* in 1981, he has directed and produced some of the most acclaimed historical documentaries ever made, including the

Emmy award-winning Public Television series "Baseball," and the landmark television series, "The Civil War," which has been honored with more than 40 major film and television awards, including two Emmy and two Grammy Awards. Burns also won three Emmys for his most recent film, "Unforgivable Blackness: The Rise and Fall of Jack Johnson."



Burns was also a recipient of the International Television Association in Media Award in 2000, the CINE Leadership Award in 2003, and the American Journey Award for Artistic Achievement in 2004. He is a member of the Society of American Historians, the American Antiquarian Society, and the Academy of Motion Picture Arts and Sciences, among other organizations.

### The Technicolor/Herbert T. Kalmus Gold Medal Award

*This award is given for recognition of outstanding contributions in the development of color films, processing, techniques or equipment useful in making color motion pictures for theater or television use.*

This year's recipient, **Richard C. Sehlin**, is the chief technical officer and vice-president, entertainment imaging at Kodak.



Sehlin's career at Kodak spans more than three decades. He was instrumental in the development of early high-speed camera-negative film projects, as well as special applications such as the high-speed Eastman Color Negative 5295 SA. He invented and co-developed numerous other negative and print film products. Sehlin has also developed a highly capable systems organization that has continued to develop products for the motion picture industry, such as the recent Vision 2 products and Premier ECP.

A SMPTE Fellow, Sehlin has written numerous articles for the *Journal* and has received two Journal Awards. He is also the recipient of two technical Academy Awards.

### The Samuel L. Warner Memorial Medal Award

*This award honors the individual by recognizing outstanding contributions in the design and development of new and improved methods and/or apparatus for sound-on-film motion pictures, including any step in the process.*

This year's recipient, **Robert C. Lovick**, is retired from Kodak. Prior to his retirement, Lovick worked as a senior technical associate and was involved in high-definition television committee work in the International Standards Organization (ISO). He supervised a sound-on-film laboratory, and later a television technology laboratory and holds a number of patents in the field.



Lovick graduated from the University of Nebraska in 1943 with a BSc in electrical engineering. He later worked in Naval Ordnance where he helped develop near-miss proximity fuses for greater accuracy of military ordnance. He also developed nondestructive bench testing of proximity fuses.

A longtime member of SMPTE, Lovick has authored more than a dozen papers published in the *Journal*.

### The Journal Award

*This award is presented to the author(s) of the most outstanding paper originally published in the Journal of the Society during the preceding calendar year. In addition, up to two Journal Certificates of Merit are awarded for the next highest rated paper(s) appearing in the Journal in the preceding calendar year.*

This year's Journal Award recipients are **Matthew Cowan**, **Glenn Kennel**, **Thomas Maier**, and **Brad Walker**, for the paper "Contrast Sensitivity Experiment to Determine the Bit Depth for Digital Cinema," published in the September 2004 issue of the *SMPTE Motion Imaging Journal*.

**Matt Cowan** is the co-founder of Entertainment Technology Consultants, an organization specializing in the science and applications of digital cinema technology. He has over 20 years experience in the development and application of new



products in the media and display fields. Cowan's comprehensive background includes development of electronic projection systems and analysis of color reproduction issues in electronic displays. He was instrumental in developing the current mastering processes used in digital cinema, which introduced the use of the digital mastering theater for color and dynamic range adjustment.

Cowan has presented a number of papers at SMPTE conferences and served as chair of the SMPTE DC-28 committee on Compression and Stereoscopic Digital Cinema.

**Glenn Kennel** works for the DLP Cinema group of Texas Instruments in a role that includes technology and business development. His primary focus is working with the industry and digital cinema suppliers on interoperability and standardization.



Kennel previously worked at Kodak, where he led the development of the Cineon digital film scanners and laser recorders and a prototype HDTV telecine, which was the foundation for the Spirit Datacine. He currently chairs the SMPTE DC-28 Color Ad Hoc Group.

**Tom Maier** is a research fellow in the entertainment imaging business unit of Kodak. During his 35-year career at Kodak, Maier has written computer programs to model film and digital imaging systems, developed methods to characterize and optimize the color quality of these imaging systems, and run psychometric experiments to confirm the image-quality of his computer optimizations.



Maier currently serves on the SMPTE DC-28 committee on Digital Projection Systems and previously served on a number of International Commission on Illumination (CIE) committees related to color. He has a BS in chemical engineering from Massachusetts Institute of Technology and a PhD in chemistry from the University of Illinois.

**Brad Walker** is a currently senior systems engineer in the technology development group in DLP Products at Texas Instruments (TI), where he has worked since

1988. Previously, he was lead systems engineer for the development of the DLP cinema architecture and signal processing. From 1984 to 1997 he was chief engineer and vice-president of engineering at Video Post & Transfer, where he developed the meta-speed telecine servo system.



Walker holds four patents and was elected member, group technical staff at TI in 2000. A member of SMPTE, he serves on several SMPTE DC-28 Digital Cinema Technology committees, including the Color Ad Hoc Group. He is also a member of the Society of Photo-Optical Instrumentation Engineers (SPIE).

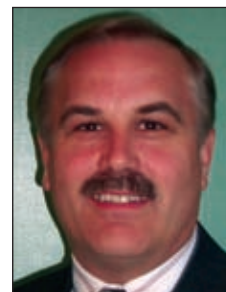
### Journal Certificate

Journal Certificates of Merit will be presented to **J-P. Vitton, S. M. Gerlach, M. Herz, S. D. Hill, and A. J. Masson**, for the paper "Influence of Image Spread on Sound Film Performance," published in the May/June 2004 issue of the *SMPTE Motion Imaging Journal*.

**Jean-Pierre Vitton** has worked at Kodak for over 22 years. He is currently responsible for sound at the entertainment imaging division of Kodak at the Center of Technology & Services Europe, in France. During his 10 years in the Corporate Research Lab, he has written more than 20 papers in international research reviews. Vitton was responsible for technical characterizations of the improved Kodak Panchromatic Sound Recording Film 2374 and is now part of the Entertainment Imaging R&D team involved in the digital and hybrid program. He is a member of SMPTE



**Steven M. Gerlach** is a senior engineer at Kodak in Rochester, NY, where he has worked in a variety of divisions for over 20 years and is currently involved with optimizing the manufacture of Eastman Color Negative (ECN) and black-and-white motion picture films. His interests are in design for manufacturability, and he works closely with the



research division as new technologies are developed, then transferred to manufacturing.

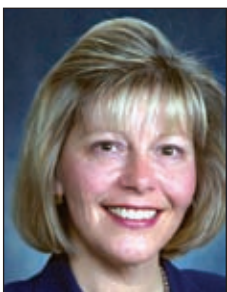
In 2001, Gerlach received an Academy Award for Science Technology for his work in developing the Panchromatic Sound Recording Film 2374, introduced in 1995.

**Marian Herz** is currently a product line market director for the Cellulose Fibers Business at Weyerhaeuser Corp., where she is responsible for designing and implementing the front end of innovation process.



Before Weyerhaeuser, Herz spent 22 years at Kodak, where she held numerous positions. In her most recent role at Kodak, she was responsible for the strategy, development, and commercialization of black-and-white motion picture films and motion picture chemicals. She was also involved in the design and launch of Kodak Motion Picture Services.

**Susan D. Hill** has worked at Kodak for over 25 years. During her 20 years in the Kodak Research Laboratories, Hill has been responsible for designing consumer color papers and films, as well as Vision 250D color-negative film. She has led R&D teams in bringing new chemistries to vision color print film, black-and-white motion picture print film, and sound films to the marketplace. She is currently on the Kodak R&D administrative team, responsible for leading the media R&D productivity initiative, directed at workflow re-design across Kodak's media product lines.



Hill has a BS in chemical engineering.

**Alan J. Masson** recently retired after 35 years of service at Kodak in the U.K. and U.S. During his tenure at Kodak Masson held numerous positions including head of motion picture training in the U.K.; technical coordinator, European Region; and director of engineering, Hollywood Region. He participated in the development



of Ektachrome sound tracks and introduction of panchromatic sound recording film for multiformat digital sound tracks.

Masson has presented numerous papers and presentations on sound negative film, color negative films, telecine control tools, and cyan dye sound tracks. A Fellow of SMPTE, he has served the Society in many capacities, including Chair of the Rochester and Hollywood Sections; Governor of the Hollywood Region; Editorial Director, Motion Pictures; and Chair of the Motion Picture Laboratory Services Technology (L6) and Film Technology (F2) committees.

## The Lou Wolf Memorial Scholarship Award

*This award is designed to help students further their undergraduate or graduate studies in motion pictures and television, with an emphasis on technology.*

This year's recipient, **Ben Brunkhardt**, is a fulltime cinematographer working in Los Angeles. Over the past 12 years, while a student, Brunkhardt has served as director of photography on 21 short films and music videos, and on one feature-length film. He is the founder of Arrowhead Productions, an independent film production company, currently in pre-production of both large-format and feature films.



Brunkhardt has developed a new, patent-pending post-production process for large-format-filmed motion pictures, which he calls large format negative repurposing (LFNR). He produced and photographed the first 15/70 (IMAX) film utilizing the LFNR process, *The Persistence of Dreams*, a short film recreating the assassination of Abraham Lincoln at Ford's Theatre. The film, as well as his new process, debuted at the 2005 Large Format Cinema Association conference in Los Angeles in April 2005. Brunkhardt is currently consulting with other producers who hope to incorporate his LFNR process into their future projects.

*The following awards will also be presented, but were not finalized at the time of publication:*

**The James Leitch Gold Medal Award**

**The Presidential Proclamation**

**The Citation for Outstanding Service to the Society**