

Elaine Moran

Acoustical Society of America
Melville, New York 11747



(Photo credit: Univ. of Rochester)

Robert L. Clark



(Photo credit: Michigan State Univ.)

William M. Hartmann

ASA members elected Fellows of the AAAS

ASA members Robert L. Clark, William M. Hartmann, and Dan H. Sanes were elected Fellows of the American Association for the Advancement of Science. This year 503 scientists were elected AAAS fellows and they will be honored at a ceremony during the AAAS annual meeting in February.

Robert Clark, dean of the Hajim School of Engineering and Applied Sciences at the University of Rochester, was chosen for his “distinguished contributions to research on dynamic systems and controls, acoustics, and more recently nanoscience and nanoengineered materials.” His work has led to more than 130 journal publications and earned him awards including the R. Bruce Lindsay Award of the Acoustical Society of America, the National Science Foundation Career Program Award, the Presidential Early Career Award for Scientists and Engineers, and the NASA Group Achievement Award. He is a fellow of both the Acoustical Society of America and the American Society of Mechanical Engineers. He earned bachelor’s master, and doctoral degrees from the Virginia Polytechnic Institute and State University.

William M. Hartmann, Professor in the Department of Physics and Astronomy at Michigan State University, was honored for work in psychoacoustics, particularly for the discovery of dichotic pitch illusions and for research into the effects of room acoustics on the ability to localize sounds. His book, *Signals, Sound, and Sensation* (Springer, 1998) set the standard for the application of signal processing mathematics to psychoacoustics. He is currently the editor-in-chief of the Springer series *Modern Acoustics and Signal Processing*. Dr. Hartmann is a fellow of the Acoustical Society of America and served as chair of the ASA Technical Committee on Musical Acoustics (1980-84), as ASA Vice President (1998-99) and as President (2001-02). In 2001 Dr. Hartmann received the Distinguished Faculty Award from Michigan State University and the Helmholtz-Rayleigh Silver Medal from the Acoustical Society of America. Dr. Hartmann received a BSEE from Iowa State University and D.Phil. from Oxford University.

Dan H. Sanes, Professor at New York University’s Center for Neural Science and Department of Biology, was honored for his studies on auditory central nervous system develop-

ment, including the influence of the sensory environment. His laboratory studies the development and function of auditory networks from brainstem to cortex. His laboratory has found, among other discoveries, that even mild hearing loss can have a profound and lasting impact on the the function of auditory cortex synapse function. AAAS recognized Sanes for his “seminal studies” in this area of scholarship. Dr. Sanes is also the co-author of the textbook “Development of the Nervous System” which will be released in its 3rd edition this year. He is a currently a Councilor of the Association for



Dan H. Sanes

Research in Otolaryngology, a Section Editor for the journal *Hearing Research*, and a member of the Scientific Advisory board for the National Organization for Hearing Research. Dr. Sanes received a BS from University of Massachusetts, a Ph.D from Princeton University, and did postdoctoral fellowships at University of Virginia and Yale University.



Judy R. Dubno

Judy R. Dubno named recipient of the Jerger Career Award for Research by American Academy of Audiology

Judy R. Dubno, Professor in the Department of Otolaryngology-Head and Neck Surgery at the Medical University of South Carolina, was named recipient of the JERGER CAREER AWARD FOR RESEARCH IN AUDIOLOGY by the American Academy of Audiology. This award is given to a senior level audiologist with a distinguished career in audiology. Candidates must be members of the Academy, have at least 25 years of research productivity in audiology (not in related field), and have made significant contributions to the practice and/or teaching of audiology.

Judy Dubno has built an extensive research program that has addressed a wide range of key issues pertaining to auditory perception, sensorineural hearing loss, presbycusis, and speech perception. She earned a Ph.D. in Speech and Hearing Science from the City University of New York Graduate Center. After completing a post-doctoral fellowship at the UCLA School of

Medicine, she remained there as a faculty member for several years. In 1991, Dr. Dubno relocated to the Medical University of South Carolina in Charleston, South Carolina.

Dr. Dubno is a Fellow of the Acoustical Society of America. She has served as President of the Association for Research in Otolaryngology and as a member of the NIH National Institute on Deafness and Other Communication Disorders (NIDCD) Advisory Council. She is currently Vice President of the Acoustical Society of America.

The American Academy of Audiology has an active membership of more than 10,000 audiologists and supports professional development, education, research, and increased public awareness of hearing and balance disorders.



Philip E. Rubin

2010 APA Meritorious Research Service Commendations awarded

Philip E. Rubin was awarded the 2010 Meritorious Research Service Commendation from the American Psychological Association. He was recognized for his outstanding contributions to psychological science through his service as a leader in research management and policy development at the national level. The award recognizes outstanding psychologists who help foster the discipline of psychological science through their programmatic activities as staff of the federal government or other organizations.

Philip Rubin is Chief Executive Officer and a senior scientist at

Haskins Laboratories in New Haven, Connecticut. Haskins is a private, non-profit research institute affiliated with Yale University and the University of Connecticut that has a primary focus on the science of the spoken and written word, including speech, language, and reading, and their biological basis. Dr. Rubin received his Ph.D. in experimental psychology from the University of Connecticut. He is a Fellow of the Acoustical Society of America, American Association for the Advancement of Science, American Psychological Association, and Association for Psychological Science.



Marshall H. Orr

Marshall Orr Receives Meritorious Civilian Service Award

Marshall H. Orr, Associate Superintendent of the Naval Research Laboratory's Acoustics Division received the Department of the Navy Meritorious Civilian Service Award for his service as Technical Director, Senior Scientist and Program Manager of the Ballistic Missile Submarine Nuclear (SSBN) Security Technology Program (SSTP).

The award citation reads in part "Dr. Orr superbly performed his duties in an outstanding manner combining unique technical and managerial skills and training. He astutely managed day-to-day operations of the SSBN Security Technology Program (SSTP). Through his close involvement and keen resource management, he maximized \$40 million per year budget and its approximately 100 scientists and engineers from 16 different universities, government agencies and private con-

tractors. His work at the strategic level helped to define, prioritize and develop the annual SSTP classified projects. His hands-on leadership ensured that project managers overcame obstacles and extracted the maximum information available from every project. He drove significant changes in broader Navy operational plans and investment at U.S. Strategic Command, including operational guidance to the security of the Nation's sea-based strategic deterrent for the next fifty-plus years. His exceptional professionalism, personal initiative, and loyal devotion to duty reflected great credit upon himself and were in keeping with the highest traditions of the United States Naval Service."

Dr. Orr earned a bachelor of science in physics from The University of Rhode Island in 1965, a master of science in physics from the University of Maine in 1967, and doctor of philosophy in low energy nuclear structure physics from The Pennsylvania State University in 1972. He was appointed as the NRL Acoustics Division's Associate Superintendent in 2009. He is a member of the American Geophysical Union and a Fellow of the Acoustical Society of America.

Paul Johnson recognized by French Acoustic Society

Paul A. Johnson of Los Alamos National Laboratory Geophysics group was awarded the Médaille Étrangère by the Société Française d'Acoustique (French Acoustic Society) in 2010. He was nominated for his work in geo-

physics, medicine and nondestructive evaluation, as well as his work with French students. The Médaille Étrangère is awarded to individuals who have significantly influenced acoustics in France and worldwide.

Paul Johnson earned a bachelor's degree in geology from the University of New Mexico, a master's degree in geophysics from the University of Arizona, and a doctorate in physical acoustics from the Université Pierre et Marie Curie (Paris VI) at the Sorbonne, Paris. His research includes the areas of the elasticity of nonlinear and disordered systems, seismic strong ground motion, rock physics, acoustical nondestructive testing of materials, earthquake source mechanics, seismic triggering of earthquakes, nonlinear acoustical application in medicine and time-reverse acoustics in solids.

A Los Alamos National Laboratory Fellow and employee for more than 25 years, Johnson has helped pioneer a new field of research, nonlinear, non-equilibrium dynamics, in collaborations with a large spectrum of scientists at Los Alamos and in the United States and Europe. Paul Johnson is a Fellow of the Acoustical Society of America, Fulbright Scholar to France, and 13-time organizer of the International Workshop on

Nonlinear Elasticity in Materials and a Steering Committee Member of the International Symposia on Nonlinear Acoustics.

Floyd Toole receives Lifetime Achievement Award



Floyd Toole

Floyd Toole receives Lifetime Achievement Award

Floyd Toole, retired Corporate VP of Acoustical Engineering at Harman International, was one of five recipients of the Beryllium Lifetime Achievement Award by ALMA – the International Loudspeaker Association. The Beryllium Lifetime Achievement Award recognizes significant and sustained contributions to the loudspeaker industry over the lifetime of a career. ALMA, a not-for-profit trade association dedicated to improving the design and manufacture of loudspeakers, is celebrating its 50th anniversary. Floyd Toole is a Fellow of the Acoustical Society of America

First Technology & Engineering EMMY® Award for Linear Acoustic

The innovators of Linear Acoustic®, the world leader in television audio control received their first EMMY® Award for Outstanding Achievement in Engineering/ Technical Development from the National Academy of Television Arts & Sciences. Recognized for pioneering development of a real-time audio/metadata processor for conforming audio to the ATSC standard, the Linear Acoustic team received its award at a gala ceremony in Las Vegas in January 2011.

Linear Acoustic designs and manufactures the AERO™ range of audio processing and loudness control solutions, UPMAX® upmixing and downmixing solutions, the LQ-1000™ Loudness Quality Monitor and MetaMAX™ metadata processing products. The company licenses and OEMs



Paul A. Johnson



Christina Carroll, Tim Carroll, and Erik Booth.

key technologies to other companies in the broadcast industry. The company is actively involved in standards and practices creation as a member of the ATSC (Advanced Television Systems Committee) and as a sustaining member of SMPTE

(Society of Motion Picture and Television Engineers).

The award was accepted by Timothy Carroll, President of Linear Acoustic, who is a member of the Acoustical Society of America.

BUY-QUIET SYMPOSIUM TO BE HELD IN PARIS

An International INCE Symposium titled “Inducing ‘Buy-Quiet’ Purchasing Attitudes through Simplified Product Noise Ratings” will be held in Paris on July 5-6, 2011. The Symposium is being organized by INCE/Europe in cooperation with the Federal Institute for Occupational Safety and Health (BAuA) in Germany and the Centre d'Information et de Documentation sur le Bruit (CIDB) in France, and in partnership with the International Council of Academies of Engineering and Technological Sciences (CAETS).

Over the last three decades much progress has been made by acousticians and noise control engineers to determine the noise emissions of products in a standardized manner. These include household appliances, machines and equipment, power tools, IT products etc. However, the noise labels or ratings currently used are neither understood by the public nor widely available to them. There is a global lack of understanding by manufacturers, suppliers, and potential users alike. The EU has developed an energy label for products that is simple, well understood, and widely available. It has proven to be an effective incentive to encourage the consumer to buy more energy-efficient products. This information has induced major reductions in product energy consumption over the last 15 years. In a similar way, providing simple, understandable noise information to the general public should ultimately increase the availability of low noise products.

The complexity of existing noise ratings along with their relative scarcity has not induced purchasers to develop a “buy-quiet” attitude nor has it stimulated competition needed to produce quieter products and thus encourage low noise design. The reasons for this are varied:

- Complexity of the dB scale and frequency dependence,
- Confusion between sound power, sound pressure, and other metrics being used to characterize the noise,
- Statistical quantities and procedures to determine values to declare,
- Complexity of test codes including dependence of noise on operating and installation conditions,
- Information generally presented as informative rather than comparative, product families, and
- Limited information on product noise released by manufacturers and suppliers.

The objectives of the symposium are to:

- Stimulate noise ratings and to provide manufacturers with the information needed to design low noise products,
- Confirm the need for meaningful product noise ratings,
- Reiterate and list the benefits of providing information to consumers and other stakeholders,
- Discuss the lack of a “buy-quiet” attitude for products and machines used in all activities (at home, during