

Silver Medal for his "work in noise and standards and for contributions to architectural and archaeological acoustics."

The presentation of the Silver Medal in Musical Acoustics for 2003 was also made at the meeting. **Johan E. F. Sundberg**, retired professor of music acoustics at the Royal Institute of Technology (KTH) in Stockholm, was honored for his "contributions to understanding the acoustics of singing and musical performance and for leadership in musical acoustics research."

New Members Join NAS

The National Academy of Sciences elected 72 new members and 18 foreign associates at its 141st annual meeting in April in Washington, DC. The number of active members now totals 1949 and the number of foreign associates, those nonvoting members with citizenship outside of the US, is 351.

Among the newly elected members are the following:

Armand Paul Alivisatos, Chancellor's Professor of Chemistry and Materials Science at the University of California, Berkeley

Susan G. Amara, chair of the department of neurobiology at the University of Pittsburgh School of Medicine in Pittsburgh, Pennsylvania

Philip H. Bucksbaum, Otto Laporte Professor of Physics at the University of Michigan, Ann Arbor

Kevin P. Campbell, chair of the department of physiology and biophysics in the Roy J. and Lucille A. Carver College of Medicine at the University of Iowa in Iowa City and investigator in the Howard Hughes Medical Institute

Paul M. Chaikin, Henry DeWolf Smyth Professor of Physics at Princeton University in Princeton, New Jersey

Stephen H. Davis, McCormick School Professor and Walter P. Murphy Professor of Applied Mathematics at Northwestern University in Evanston, Illinois

Andrea M. Ghez, professor of physics and astronomy at UCLA

Donald V. Helmberger, Smits Family Professor of Geophysics and Planetary Science at Caltech

Barry H. Honig, investigator in the Howard Hughes Medical Institute and professor in Columbia University's department of biochemistry and molecular biophysics

Nancy Hopkins, Amgen Professor of Biology at MIT

Richard L. Huganir, investigator in the Howard Hughes Medical Institute and professor in the department of neuroscience at the Johns Hopkins University School of Medicine in Baltimore, Maryland

Jacob N. Israelachvili, professor in the department of chemical engineering and in the materials department at the University of California, Santa Barbara

Raymond Jeanloz, professor in Earth and planetary science and in astronomy at UC Berkeley

Edward G. Jones, director of the Center for Neuroscience at the University of California, Davis

David Julius, professor of cellular and molecular pharmacology at the University of California, San Francisco (UCSF)

Dennis V. Kent, professor in the department of geological sciences at Rutgers, the State University of New Jersey in New Brunswick-Piscataway

Andrew E. Lange, Marvin L. Goldberger Professor of Physics at Caltech

Charles M. Lieber, Mark Hyman Jr Professor of Chemistry at Harvard University

M. Brian Maple, Bernd T. Matthias Professor of Physics at the University of California, San Diego (UCSD)

Stephen L. Mayo, associate investigator in the Howard Hughes Medical Institute and professor of biology and chemistry at Caltech

Margaret M. Murnane, professor of physics and a fellow of JILA at the University of Colorado at Boulder

Charles M. Newman, director of the Courant Institute of Mathematical Sciences and professor of mathematics at New York University

Erin K. O'Shea, assistant investigator in the Howard Hughes Medical Institute and professor and vice chair of the department of biochemistry and biophysics at UCSF

George F. Oster, professor of cell and developmental biology and of environmental science, policy, and management at UC Berkeley

S. George H. Philander, professor in the department of geosciences at Princeton

Peter H. Quail, research director of the Plant Gene Expression Center at UC Berkeley

Venkatraman Ramakrishnan, group leader in the Laboratory of Molecular Biology at the Medical Research Council in Cambridge, England

R. G. Hamish Robertson, scientific director of the Center for Experimental Nuclear Physics and Astrophysics at the University of

Washington, Seattle

H. Eugene Stanley, University Professor and Professor of Physics at Boston University

Alan M. Title, senior fellow at the Lockheed Martin Space Systems Advanced Technology Center in Palo Alto, California

Margaret A. Tolbert, professor in the department of chemistry and biochemistry at the University of Colorado at Boulder and a fellow of the Cooperative Institute for Research in Environmental Sciences in Boulder

Xiaodong Wang, investigator in the Howard Hughes Medical Institute, George L. MacGregor Distinguished Chair in Biomedical Science at the University of Texas Southwestern Medical Center at Dallas, and professor of biochemistry at UT Southwestern

Maria T. Zuber, head of the department of Earth, atmospheric, and planetary sciences at MIT

Charles S. Zuker, investigator in the Howard Hughes Medical Institute and a professor of biology and of neurosciences in UCSD's School of Medicine.

The newly elected foreign associates and their country of citizenship (in parentheses) are

Robert J. Birgeneau, president of the University of Toronto (Canada)

Catherine Cesarsky, director-general of the European Southern Observatory with headquarters in Munich, Germany (France)

Ramanath Cowsik, director of the Indian Institute of Astrophysics in Bangalore (India)

Riitta K. Hari, director of the Brain Research Unit of the Low Temperature Laboratory at the Helsinki University of Technology (Finland)

David J. Stevenson, George Van Osdel Professor of Planetary Science at Caltech (New Zealand)

Maw-Kuen Wu, minister of the National Science Council of Taiwan (Republic of China)

Jacob Ziv, distinguished professor and Herman Gross Professor of Electrical Engineering at the Technion-Israel Institute of Technology in Haifa (Israel).

Yost Is ASA President-Elect

William A. Yost, professor of psychology and of hearing sciences in the Parmlly Hearing Institute of Loyola University Chicago, has been chosen as president-elect of the Acoustical Society of America. For-

merly associate vice president for research and dean of Loyola's graduate school, Yost holds a BA in psychology from Colorado College (1966) and received his PhD in experimental psychology from Indiana University in 1970. He was on the faculty of the University of Florida in Gainesville

from 1971 to 1977 and subsequently joined Loyola.

"This is an exciting time to take on the responsibility of president," says Yost. "The ASA is a strong society actively and successfully fulfilling its mission of increasing and diffusing the knowledge of acoustics

and promoting its practical applications." He says he hopes that "the ASA can continue to positively affect public policy in areas of acoustics," particularly policy that is "based on sound science and engineering practices." He adds that he looks forward to ASA's continued growth and to "the enhancement of the many diverse fields of acoustics." Yost was elected in May and took office the same month. In May 2005, he will succeed ASA's current president, William Kuperman (see PHYSICS TODAY, July 2003, page 67).

The ASA membership also chose a new vice president-elect. She is **Donna L. Neff**, staff scientist in the auditory perception laboratory at Boys Town National Research Hospital in Omaha, Nebraska. New executive council members are **Judy R. Dubno**, professor in the department of otolaryngology-head and neck surgery at the Medical University of South Carolina in Charleston, and **Victor W. Sparrow**, associate professor of acoustics at the Pennsylvania State University in University Park. Both were elected to serve three-year terms.



Yost

In Brief

In October, **Ethan J. Schreier** will become president of Associated Universities Inc in Washington, DC. He took leave in 2001 from the Space Telescope Science Institute in Baltimore, Maryland, to join AUI, where he is currently the executive vice president. He will succeed **Riccardo Giacomini**, who is retiring as president and plans to continue research at Johns Hopkins University.

Obituaries

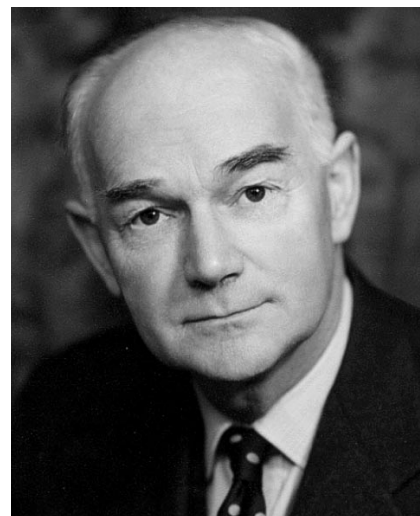
Thomas Edward Allibone

Thomas Edward Allibone, known to so many by his initials "T.E.A.," died in Holyport, near Maidenhead in southeastern England, on 9 September 2003, just nine weeks short of his 100th birthday. His long life spanned the days from the beginning of the last century to the beginning of this one—from the days of string and sealing wax to now.

Born in Sheffield, England, on 11 November 1903, T.E.A. entered Sheffield University in 1921 on an open scholarship to start an honors degree in physics. The scholarship was financed by the Metropolitan Vickers Electrical Co of Manchester, and thus began his long association with Metrovick, which was a major influence on his life and led to his pursuit of an industrial career that lasted 50 years.

Following his graduation in 1924, T.E.A. accepted a staff position in the company's research department. He worked at Metrovick while he continued his doctoral studies at Sheffield. After completing his PhD in metallurgy in 1926, he moved on to the Cavendish laboratory at Cambridge University to join Ernest Rutherford's team, which was then leading the world in defining the structure of the atomic nucleus. It was at this time that John Cockcroft and Ernest Walton devised the voltage doubler experiment to create a proton beam that would produce the first atomic disintegration. Although T.E.A. decided to concentrate on his pursuit of a PhD in physics at Cambridge, he made a significant contribution to Cockcroft and Walton's experiment by designing the rectifiers that were a key part of the apparatus. Cockcroft and Walton received a Nobel Prize in 1951. Had T.E.A. given up his PhD, as Walton had done, and joined them, he might have been a joint recipient.

He was awarded his PhD by Cambridge in 1929 but continued to work there until 1930, when he accepted the directorship of Metrovick's high-voltage laboratory, which Rutherford had opened in 1929. Even before T.E.A. left Cambridge, he had designed a continuously evacuated x-ray tube for St. Bartholomew's Hospital in London, to be used for cancer therapy. That accomplishment led to the development of a profitable range of x-ray equipment by the high-voltage laboratory. In recognition of that work, T.E.A. was awarded the Roentgen Medal of the British Institute of Radiology for 1933–34.



Thomas Edward Allibone

Wartime research drew him into work on radar, but in 1943, he left the UK for the US to work on the Manhattan Project, and was there until Christmas 1945. Then it was back to England for what was undoubtedly the peak of his achievements over a long and successful career: the establishment of the Associated Electrical Industries (AEI) long-term research facility at Aldermaston Court in 1946. That facility, over its 17-year lifetime, made major contributions to many areas of scientific endeavor, because not only was T.E.A. an outstanding experimental physicist in his own right, but also an inspirational leader and outstanding communicator. He gathered around him a team of scientists and engineers of exceptional ability and led and inspired them. Many became leaders in their field and owed their subsequent careers to him. From top to bottom, his staff held him in the highest regard and had the greatest affection for him.

In addition to gathering that group, T.E.A. had a wide circle of friends among eminent scientists and engineers and engaged many of them as consultants to back up the research at Aldermaston. One of those, Dennis Gabor, claimed that he had the idea of holography—for which he received a Nobel Prize—while sitting on the tennis court there, waiting for a game. T.E.A., who had first met Gabor in Germany, was instrumental in finding an opening for him in the UK when he needed to escape Nazi persecution before World War II.

The industrial experiment at Aldermaston ended, sadly, in 1963 due to the financial difficulties of AEI. T.E.A. joined the Central Electricity Generating Board as chief scientist