



Eugen J. Skudrzyk

Thomas J. Hofler, an adjunct professor doing research at the Naval Postgraduate School in Monterey, California, received the R. Bruce Lindsay Award at the ASA spring meeting. The biennial award, which is presented to an ASA member under 35 years of age who has been active in acoustics research, was given to Hofler for "the development of thermoacoustic heat pumps and for the design of optoacoustic transducers."

Hofler received a PhD in physics from the University of California, San Diego, in 1986. He was a postdoctoral fellow at the Naval Postgraduate School until 1989, when he assumed his current title.

The Acoustical Society will present several other 1990 awards at its upcoming fall meeting.

NATIONAL ACADEMIES NAME NEW MEMBERS

The National Academy of Sciences and the National Academy of Engineering have announced their newly elected members for 1990. Also selected were the academies' foreign associates, nonvoting members who are not US citizens. Nominations for membership in either of the two academies are made by an incumbent member and reviewed by a topical committee before being put to a vote by the full membership.

The National Academy of Sciences welcomed 59 new members and 15 foreign associates, bringing the total membership to 1600 and the number of foreign associates to 272. The engineering academy selected 80 members and 7 foreign associates, increasing its totals to 1535 and 126, respectively.

Newly elected members of the National Academy of Sciences included the following:

John S. Boyer, Du Pont Professor of Marine Biochemistry and Biophysics in the college of marine studies at the University of Delaware, Newark

D. Allan Bromley, Henry Ford II Professor of Physics at Yale University and assistant for science and technology to President Bush

Herbert B. Callen, a physics professor at the University of Pennsylvania

Ralph J. Cicerone, professor and chairman of the geosciences department at the University of California, Irvine

Esther M. Conwell, a research fellow at the Xerox Webster Research Center in Webster, New York

Bryce S. Dewitt, Jane and Roland Blumberg Professor of Physics at the University of Texas, Austin

Floyd Dunn, a professor of electrical engineering, biophysics and bioengineering at the University of Illinois, Urbana-Champaign

Alan B. Fowler, fellow and manager of the low-temperature transport group at the IBM Thomas J. Watson Research Center in Yorktown Heights, New York

Carl E. Heiles, an astronomy professor at the University of California, Berkeley

John W. Hutchinson, Gordon McKay Professor of Applied Mechanics at Harvard University

J. David Jackson, a physics professor at the University of California, Berkeley

W. Barclay Kamb, a professor of geology and geophysics at Caltech

Syukuro Manabe, supervisory research meteorologist at the Geophysical Fluid Dynamics Laboratory of the National Oceanic and Atmospheric Administration and an adjunct professor of geological and geophysical sciences at Princeton University

Lawrence R. Rabiner, head of the speech research department at AT&T Bell Laboratories in Murray Hill, New Jersey

Paul R. Schimmel, a professor of biochemistry and biophysics at MIT

Andrew M. Sessler, a senior physicist at Lawrence Berkeley Laboratory

Thomas A. Steitz, a professor of molecular biophysics and biochemistry at Yale University

John A. Swets, chief scientist at Bolt Beranek and Newman Inc in Cambridge, Massachusetts

Frank A. Wilczek, a professor in the School of Natural Sciences at the Institute for Advanced Study in

Princeton, New Jersey

Keith R. Yamamoto, professor and vice chairman of the department of biochemistry and biophysics at the University of California, San Francisco

Jozef J. Zwislocki, a professor of neuroscience and the director of the Institute for Sensory Research at Syracuse University in New York.

The list of new foreign associates includes:

Zhores I. Alferov, director of the A. F. Ioffe Institute, USSR Academy of Sciences

Ludwig D. Faddeev, a professor at Leningrad State University and director of the Leningrad branch of the Steklov Mathematical Institute, USSR Academy of Sciences

Donald Lynden-Bell, a professor of astrophysics at the University of Cambridge

Hans Oeschger, a professor ordinaris at the Physics Institute of the University of Bern, Switzerland

C. N. R. Rao, director of the Indian Institute of Technology in Bangalore

Klaus Von Klitzing, an honorary professor at the University of Stuttgart.

The new members of the National Academy of Engineering include:

Thomas R. Anthony, a physicist at the General Electric Corporate Research and Development Center in Schenectady, New York

Robert D. Burnham, technical director of the integrated optoelectronic devices group at Amoco Research Corporation in Naperville, Illinois

James D. Callen, Donald W. Derst Professor of Nuclear Engineering and Engineering Physics at the University of Wisconsin, Madison

Robert E. Collin, a professor of electrical engineering at Case Western Reserve University

Harry E. Cook, Grayce Wicall Gauthier Professor of Mechanical and Industrial Engineering at the University of Illinois, Urbana-Champaign

Alan B. Fowler (mentioned above)

Judson C. French, director of the Center for Electronics and Electrical Engineering at the National Institute of Standards and Technology in Gaithersburg, Maryland

Marvin E. Goldstein, chief scientist at the NASA Lewis Research Center in Cleveland, Ohio

Earl E. Gossard, a research associate at the Cooperative Institute for Research in Environmental Sciences at the University of Colorado, Boulder

IN BRIEF

William W. Graessley, a professor of chemical engineering at Princeton University

Arthur H. Heuer, Kyocera Professor of Ceramics at Case Western Reserve University

John C. Houbolt, an associate at Eagle Engineering Inc in Hampton, Virginia

Daniel D. Joseph, a professor in the department of aerospace engineering and mechanics at the University of Minnesota, Minneapolis

Charles K. Kao, vice chancellor of the Chinese University of Hong Kong

Robert H. Kingston, a senior lecturer of electrical engineering at MIT

Edwin E. Kintner, executive vice president of GPU Nuclear Corporation in Parsippany, New Jersey

Tung-Hua Lin, a professor emeritus of civil engineering at the University of California, Los Angeles

Franklin F. Offner, a professor emeritus of biomedical engineering and biophysics at the Robert McCormick School of Engineering and Applied Science of Northwestern University

Bradford W. Parkinson, a professor in the aeronautical and astronautical department and at the High Energy Physics Laboratory of Stanford University

Arno A. Penzias, vice president for research at AT&T Bell Laboratories in Murray Hill, New Jersey

William R. Prindle, associate director of research, development and engineering at Corning Glass Works in Corning, New York

Murray W. Rosenthal, deputy director of Oak Ridge National Laboratory in Oak Ridge, Tennessee

T. W. Fraser Russell, Allan P. Colburn Professor of Chemical Engineering, chairman of the chemical engineering department and director of the Institute of Energy Conversion at the University of Delaware, Newark

Charles E. Treanor, retired vice president and chief scientist of Calspan Corporation and director of Calspan-UB Research Center in Buffalo, New York

Walter K. Victor, retired assistant director of the Jet Propulsion Laboratory in Pasadena, California

David A. Woolhiser, a research hydraulic engineer at the US Department of Agriculture Research Service in Tucson, Arizona.

The new foreign associates of the engineering academy include Zhores I. Alferov (mentioned above) and Michael F. Ashby, Royal Society Research Professor at Cambridge University in England.

The University of Iowa is forming a new high-energy theory group, consisting of the newly appointed faculty members **Vincent G. J. Rogers**, **Mary Hall Reno** and **Yannick Meurice**. Rogers, who had most recently been a postdoctoral research associate at the Institute for Theoretical Physics of the State University of New York at Stony Brook, became an assistant professor at Iowa last fall. Reno and Meurice, both visiting professors of physics at the Centro de Investigación y Estudios Avanzados del IPN in Mexico City, will join Rogers as assistant professors at Iowa in the fall.

K. V. Rao has been appointed to a newly created chair of condensed matter physics at the Royal Institute of Technology in Stockholm, Sweden. Most recently Rao was a senior scientist at the 3M Corporation in St. Paul, Minnesota, and before that he was an associate professor of physics at the University of Illinois at Urbana-Champaign.

OBITUARIES

Richard C. Lord

Richard Collins Lord, professor emeritus of chemistry and former director of the spectroscopy laboratory at MIT, died peacefully at home on 29 April 1989 at the age of 78. Lord was well known to the physics community, having served as president of the Optical Society of America in 1964.

Lord was born in Louisville, Kentucky, on 10 October 1910, and was educated at Kenyon College in Gambier, Ohio (BS 1931), and the Johns Hopkins University (PhD 1936).

Richard C. Lord



After two years as a postdoctoral fellow in chemistry, he returned to Johns Hopkins in 1938 to begin his teaching career. In 1942 the National Defense Research Committee called Lord to MIT, where he served as a technical aide and later as deputy chief of the committee's optics division. In 1946 Lord accepted a position at MIT as associate professor of chemistry and director of the spectroscopy laboratory. He became a full professor in 1954.

Lord had a distinguished career. A pioneer in many areas of vibrational spectroscopy, he did notable work in the use of infrared spectra to study the structure of molecules and was one of the first to use the far-infrared region for that purpose. Later he was a leader in using lasers to obtain Raman spectra of proteins and other biologically important substances. In his 30 years as director of the MIT spectroscopy laboratory, he guided the facility with distinction and maintained it as one of the world's great centers for spectroscopy research. He was also an exemplary teacher, earning the admiration and affection of his many students.

In 1948 Lord coauthored with the late George R. Harrison and John R. Loofbrourow the widely used text *Practical Spectroscopy*. He wrote one other book, was the optics editor for the *McGraw-Hill Encyclopedia of Science and Technology*, and published 150 technical papers and several individual book chapters.

In 1950 Lord established the MIT summer infrared course, the first postgraduate training course in infrared spectroscopy. In its 22 years at MIT the course trained over 2000 industrial and academic research scientists from many parts of the world. In 1972 the course was moved to Bowdoin College in Brunswick, Maine, where it is still being given today. Lord was also a co-founder (with Elkan Blout) of the Gordon Research Conferences on infrared spectroscopy, and he organized the first of these in 1954. He was an officer of several international organizations that supported optics, spectroscopy and chemistry. Lord was also on the editorial boards of five journals and served as spectroscopic consultant to the Du Pont Company for 32 years (1948-80). When he retired from MIT in 1976, a more complete biography and description of his contributions appeared in the *Journal of Physical Chemistry* (80, 1A, 1976).

FOIL A. MILLER
University of Pittsburgh
Pittsburgh, Pennsylvania ■