

## AAAS Members Rewarded for Distinguished Efforts

This September, the AAAS Council selected the 237 members that will join the ranks of AAAS Fellows. These individuals will be recognized for their contributions to science on 14 February 1993 during the Annual Meeting in Boston. The new Fellows, presented here by section affiliation, will receive a certificate and a blue and gold rosette pin as a symbol of their distinguished accomplishments.

### Agriculture

Gerald F. Arkin, Georgia Experiment Station; William A. Comp-ton, Univ. of Nebraska; Kenneth R. Farrell, Univ. of California, Oak-land; William T. Frankenberger, Jr., Univ. of California, River-side; Robert G. Gast, Michigan State Univ.; Timothy G. Helent-jaris, Univ. of Arizona; Daniel Hillel, Univ. of Massachusetts; David R. MacKenzie, U.S. De-partment of Agriculture; Lau-rence V. Madden, Ohio State Univ.; M. Allen Stevens, Peto-seed Co., Inc.; Garrison Wilkes, Univ. of Massachusetts.

### Anthropology

Lynne Goldstein, Univ. of Wis-consin; Jerrold E. Levy, Univ. of Arizona; Mary W. Marzke, Ari-zona State Univ.; Nikolaas Johan-nes van der Merwe, Harvard Univ.

### Astronomy

Margaret J. Geller, Harvard Univ.; Jeremiah P. Ostriker, Princeton Univ.; Paul A. Vanden Bout, National Radio Astronomy Observatory.

### Atmospheric and Hydrospheric Sciences

Moustafa T. Chahine, Jet Pro-pulsion Laboratory; George M. Hidy, Electric Power Research In-stitute; Richard S. Lindzen, MIT; John S. Perry, National Research Council.

### Biological Sciences

Timothy J. Bradley, Univ. of Cali-fornia, Irvine; Stanley Bullivant, Univ. of Auckland; Judith Mc-Dowell Capuzzo, Woods Hole Oceanographic Institution; Ade-laide T. C. Carpenter, Univ. of Cambridge, England; Anthony V. Carrano, Lawrence Livermore National Laboratory; Dennis D. Cunningham, Univ. of Califor-nia, Irvine; Jean Robert David, Laboratoire de Biologie et Gene-tique Evolutive; David T. Den-hardt, Rutgers Univ.; David J. DeRosier, Brandeis Univ.; Sayed Z. El-Sayed, Texas A&M Univ.; John F. Fallon, Univ. of Wiscon-sin; Douglas M. Fambrough, Johns Hopkins Univ.; Hung Fan, Univ. of California, Irvine; Jef-frey I. Gordon, Washington Univ.; George Andre Gutman, Univ. of California, Irvine; Susan W. Herring, Univ. of Washing-ton; Bertil Hille, Univ. of Wash-ington; K. Elaine Hoagland, Assn. of Systematics Collections; David S. Hogness, Stanford Univ.; Wil-liam R. Jeffery, Univ. of Califor-nia, Davis; Kathleen M. Karrer, Marquette Univ.; Eduard Kellen-berger, Institut de Genetique et de Biologie Microbiennes; Gerald M. Kidder, Univ. of Western Ontario; Charles B. Kimmel, Univ. of Oregon; Marilyn S. Kozak, Univ. of Medicine and Dentistry of New Jersey; Judith A. Lengyel, Univ. of California, Los Angeles; Samuel N. Luoma, U.S. Geological Survey; Eduardo R. Macagno, Columbia Univ.; Eve Marder, Brandeis Univ.; Lois K. Miller, Univ. of Georgia; John A. Milner, Pennsylvania State Univ.; Luc Montagnier, Institute Pasteur; Harold J. Morowitz, George Mason Univ.; John B. Pearce, DOC/NOAA/NMFS/ Northeast Fisheries Science Cen-ter; Suzanne R. Pfeffer, Stanford Univ.; C. Channa Reddy, Penn-sylvania State Univ.; Louis F. Reichardt, Univ. of California, San Francisco; Eloy Rodriguez, Univ. of California, Irvine; Robert G. Roeder, Rockefeller Univ.;

Lawrence Rothfield, Univ. of Con-necticut Health Center; William J. Rutter, Univ. of California, San Francisco; Roy Hirofumi Saigo, Southeastern Louisiana Univ.; Frances E. Sharples, Oak Ridge National Laboratory; Louis A. Sherman, Purdue Univ.; Allison A. Snow, Ohio State Univ.; Al-lan C. Spradling, Carnegie Insti-tution of Washington; Paul W. Sternberg, California Institute of Technology; Boyd R. Strain, Duke Univ.; Robert E. Thach, Wash-ington Univ.; Joseph J. Villa-franca, Pennsylvania State Univ.; Edward K. Wagner, Univ. of Cali-fornia, Irvine; David C. Ward, Yale Univ.; Gail L. Waring, Marquette Univ.; Zena Werb, Univ. of Cali-fornia, San Francisco; Virginia A. Zakian, Fred Hutchinson Cancer Research Center; Michael Zim-merman, Univ. of Wisconsin.

### Chemistry

W. French Anderson, San Mar-ino, CA; Thom H. Dunning, Jr., Pacific Northwest Laboratory; David A. Evans, Harvard Univ.; Edmond H. Fischer, Univ. of Washington; Ekkehard Fluck, Gmelin Institute for Inorganic Chemistry of the Max Planck Society; Marye Ann Fox, Univ. of Texas; Robert G. Ghirardelli, U.S. Army Research Office; Ken-neth G. Hancock, National Sci-ence Foundation; Harry S. Hertz, National Institute of Standards and Technology; Norman N. Hochgraf, Bristol, ME; Marilyn Jacox, National Institute of Stan-dards and Technology; James W. Jorgenson, Univ. of North Caro-lina; Kenneth D. Karlin, Johns Hopkins Univ.; James L. Kinsey, Rice Univ.; Kenneth Albert

### Election Reminder

AAAS will be accepting bal-lots for the election of presi-dent-elect, members of the Board of Directors and the Committee on Nominations, and section officers until 13 November 1992.

Krohn, Univ. of Washington; Mitsuru Kubota, Harvey Mudd College; Farrel W. Lytle, The Boeing Co.; Richard L. McCreery, Ohio State Univ.; Ruth McDi-armid, National Institute of Dia-betes and Digestive and Kidney Diseases; John P. McTague, Ford Motor Co.; C. Alden Mead, Univ. of Minnesota; Royce W. Murray, Univ. of North Carolina; Doug-las C. Neckers, Bowling Green State Univ.; John J. Partridge, Glaxo Research Institute; David I. Schuster, New York Univ.; Stewart J. Strickler, Univ. of Col-orado; Kenneth S. Suslick, Univ. of Illinois; Ming-Daw Tsai, Ohio State Univ.; Nien-Chu C. Yang, Univ. of Chicago.

### Dentistry

John J. Clarkson, International Assn. for Dental Research; Mark C. Herzberg, Univ. of Minnesota.

### Education

Alice J. Moses, National Science Foundation.

### Engineering

William F. Allen, Jr., Stone & Webster, Inc.; Peter M. Bainum, Howard Univ.; Howard K. Birn-baum, Univ. of Illinois; Wolf-gang-Martin Boerner, Univ. of Illinois; Stan A. David, Oak Ridge National Laboratory; G. David Forney, Motorola Codex; Eduar-do D. Glandt, Univ. of Pennsyl-vania; David A. Hodges, Univ. of California, Berkeley; William G. Howard, Jr., Scottsdale, AZ; C. Judson King, Univ. of Califor-nia, Berkeley; Michael A. Lieberman, Univ. of California, Ber-keley; Gail H. Marcus, U.S. Nu-clear Regulatory Commission; C. D. Mote, Jr., Univ. of California, Berkeley; Rajendra Singh, Clem-son Univ.; William A. Sirignano, Univ. of California, Irvine; Ir-ving C. Statler, NASA Ames Re-search; Lloyd M. Trefethen, Tufts Univ.; Chen S. Tsai, Univ. of California, Irvine; Harry J. Woll, Concord, MA.

### General Interest in Science and Engineering

Brian Hayes, *American Scientist*; Earle M. Holland, Ohio State Univ.; Don M. Jordan, Univ. of South Carolina.

### Geology and Geography

Keiiti Aki, Univ. of Southern California; Carl Bowin, Woods Hole Oceanographic Institution; William R. Farrand, Univ. of Michigan; James F. Hays, National Science Foundation; Miriam Kastner, Scripps Institution of Oceanography; Dennis V. Kent, Lamont-Doherty Geological Observatory; Eldridge M. Moores, Univ. of California, Davis; Norman H. Sleep, Stanford Univ.; Laurel L. Wilkening, Univ. of Washington; Robert S. Yeats, Oregon State Univ.

### History and Philosophy of Science

Richard W. Burkhardt, Jr., Univ. of Illinois; Arthur L. Norberg, Univ. of Minnesota; Thomas B. Settle, Polytechnic Univ.

### Industrial Science

Robert S. Cutler, Georgetown Univ.

### Information, Computing, and Communication

James C. Browne, Univ. of Texas; Jesse H. Poore, Univ. of Tennessee; Fred B. Schneider, Cornell Univ.; Mary M. Shaw, Carnegie Mellon Univ.; Linda C. Smith, Univ. of Illinois; Kenneth L. Thompson, AT&T Bell Laboratories.

### Mathematics

Kenneth M. Hoffman, National Research Council; Seymour V. Parter, Univ. of Wisconsin; Mary Beth Ruskai, Univ. of Massachusetts; Irwin W. Sandberg, Univ. of Texas.

### Medical Sciences

John P. Atkinson, Washington Univ.; John C. Beck, Univ. of California, Los Angeles; Patricia A. Buffler, Univ. of California, Berkeley; Gerard N. Burrow, Yale Univ.; Paul Calabresi, Brown Univ./Rhode Island Hospital; Myron E. Essex, Harvard School of Public Health; Alfred S. Evans, Yale Univ.; Roger W. Evans, Rochester, MN; Anthony S. Fauci, National Institute of Allergy and Infectious Diseases; Ralph D. Feigin, Baylor College of Med-

icine; Gerald J. Gleich, Mayo Clinic and Foundation; Peter M. Henson, National Jewish Center for Immunology and Respiratory Medicine; James C. Hogg, St. Paul's Hospital; King K. Holmes, Univ. of Washington; Michael M. E. Johns, Johns Hopkins Univ.; Margaret L. Kirby, Medical College of Georgia; Hilary Koprowski, Thomas Jefferson Univ.; Mart Mannik, Univ. of Washington; Arthur W. Nienhuis, National Heart, Lung, and Blood Institute; Susan Opava-Stitzer, Univ. of Puerto Rico; John A. Parrish, Massachusetts General Hospital; Jerome B. Posner, Memorial Sloan-Kettering Cancer Center; Murray B. Sachs, Johns Hopkins Univ.; George Stamatoyannopoulos, Univ. of Washington; Kiyoshi Takatsu, Univ. of Tokyo; Eng M. Tan, Scripps Research Institute; Robert J. Winchester, Columbia Univ. College of Physicians and Surgeons; H. Richard Winn, Univ. of Washington.

### Pharmaceutical Sciences

Mitchell N. Cayen, Schering-Plough Research Institute; Silvio Garattini, Istituto di Ricerche Farmacologiche Mario Negri; Richard H. Guy, Univ. of California, San Francisco; Gerald D. Laubach, Jackson, WY; Y. Fulmer Shealy, Southern Research Institute.

### Physics

Stephen Dean Ellis, Univ. of Washington; Jerome I. Friedman, MIT; Damon V. Giovanielli, Los Alamos National Laboratory; Don J. Grove, Princeton, NJ; David L. Hendrie, U.S. Department of Energy; Richard E. Howard, AT&T Bell Laboratories; Andrew D. Jackson, State Univ. of New York, Stony Brook; Charles F. Kennel, Univ. of California, Los Angeles; Lionel C. Kimerling, MIT; Brian M. Kincaid, Lawrence Berkeley Laboratory; Paul Langacker, Univ. of Pennsylvania; James David Litster, MIT; Henry J. Lubatti, Univ. of Washington; Chris Quigg, Fermi National Ac-

celerator Laboratory; S. Peter Rosen, Univ. of Texas; Nathan Rynn, Univ. of California, Irvine; Eberhard Spiller, IBM Research Center; Rochus E. Vogt, California Institute of Technology; John W. Wilkins, Ohio State Univ.; Roland Winston, Univ. of Chicago.

### Psychology

Mortimer Herbert Appley, Cambridge, MA; Richard J. Beninger, Queen's Univ.; Robert C. Bilger, Univ. of Illinois; Charles M. Butler, Univ. of Michigan; Elizabeth Deutsch Capaldi, Univ. of Florida; Richard J. Davidson, Univ. of Wisconsin; John F. Disterhoft, Northwestern Univ.; Barry L. Jacobs, Princeton Univ.; Barbara C. Lust, Cornell Univ.; Robert Sekuler, Brandeis Univ.; Paul R. Solomon, Williams College; Philip R. Zelazo, Montreal Children's Hospital.

### Social, Economic, and Political Sciences

Steven J. Brams, New York Univ.; Cornelia Butler Flora, Virginia Polytechnic Institute and State Univ.; Walter R. Gove, Vanderbilt Univ.; Stuart S. Nagel, Univ. of Illinois.

### Societal Impacts of Science and Engineering

Dennis Chamot, AFL-CIO; Susan G. Hadden, Univ. of Texas; David A. Hoekema, Calvin College; Nicholas H. Steneck, Univ. of Michigan.

### Statistics

William S. Cleveland, AT&T Bell Laboratories; Clifford C. Clogg, Pennsylvania State Univ.; Susan S. Ellenberg, National Institute of Allergy and Infectious Diseases; Peter McCullagh, Univ. of Chicago; John E. Rolph, RAND Corp.; Hardeo Sahai, Univ. of Puerto Rico; Ronald A. Thisted, Univ. of Chicago; Katherine K. Wallman, Council of Professional Assns. on Federal Statistics.

## Call for Proposals

The AAAS Council will hold its next meeting on 15 February 1993 during the Annual Meeting at the Sheraton Boston in Boston, Massachusetts.

Individuals or organizations wishing to present proposals or resolutions for possible consideration by the Council should submit them in written form to the AAAS Executive Officer Richard Nicholson by 20 November 1992.

Items should be consistent with AAAS objectives and be appropriate for consideration by the Council. Resolutions should be in the traditional format, beginning with "whereas" statements of facts and concluding with "therefore be it resolved."

The Committee on Council Affairs will hold its open hearing on submitted items at 2:30 p.m. on 14 February, at the Sheraton Boston. Late proposals or resolutions delivered to the AAAS Executive Officer in advance of 14 February will be considered provided they deal with urgent matters and are accompanied by a written explanation of why they were not submitted by the November 1992 deadline.

Summaries of the Council meeting agenda will be available during the Annual Meeting at both the AAAS information desk and the AAAS meeting office at the Hynes Convention Center. A copy of the full agenda will be available for inspection as well.