

Murray Gell-Mann

CURRICULUM VITAE

Distinguished Fellow
Santa Fe Institute
Santa Fe, New Mexico

R.A. Millikan Professor Emeritus of Theoretical Physics
California Institute of Technology
Pasadena, California

Personal

Born September 15, 1929, New York, NY
Married 1955 to J. Margaret Dow, born in Birmingham, England (widowed 1981);
Children: daughter, Elizabeth Sarah Gell-Mann, born October 21, 1956; son, Nicholas
Webster Gell-Mann, born July 6, 1963;
Married 1992 to Marcia Southwick, born in Boston, MA (divorced 2005).

Education

B.S. (Physics) June 1948, Yale University (1944-48).
Ph.D. (Physics) January 1951, Massachusetts Institute of Technology.

Academic Experience

Member, Institute for Advanced Study, Princeton, NJ, 1951
Research Associate, Univ. of Illinois, Summers 1951 and 1953
Instructor, Asst. Prof., Assoc. Prof. Univ. of Chicago, 1952-54
Visiting Assoc. Prof., Columbia Univ., Fall 1954
Member, Institute for Advanced Study, Winter and Spring 1955
Assoc. Prof. 1955-56; Prof.. 1956-67; R. A. Millikan Professor, 1967-93; R.A.
Millikan Professor Emeritus, 1993-Present, California Institute of Technology
Visiting Prof., Collège de France and Univ. of Paris, 1959-60
Visiting Prof., Massachusetts Inst. of Technology, Spring 1963
Overseas Fellow, Churchill College, Cambridge, England, Spring, 1966
Member, Institute for Advanced Study, Princeton, NJ, 1967-68
Visiting Prof., CERN, Geneva, Switzerland, 1971-72, 1979-80
Visitor, Los Alamos Scientific Laboratory, Fall 1975
Laboratory Fellow, Los Alamos National Lab, 1982-2000
Visitor, Los Alamos National Laboratory and Santa Fe Institute, 1992-93
Distinguished Fellow, Santa Fe Institute, 1993-Present
Visiting Professor, University of New Mexico, 1995 - Present

Professional Societies

Fellow, American Physical Society, 1960-Present
Fellow, National Academy of Sciences, 1960-Present
Sigma Xi
Phi Beta Kappa
Fellow, American Academy of Arts and Sciences, 1964-Present
Vice President and Chairman, American Academy of Arts and Sciences, Western
Center, 1970-76

Foreign Member, The Royal Society of London, 1978-Present
Member, Council on Foreign Relations, 1975-Present
Honorary Member, French Physical Society, 1970-Present
Foreign Member, Pakistan Academy of Sciences, 1985-Present
Foreign Member, Indian Academy of Sciences, 1985-Present
Foreign Member, Russian Academy of Sciences, 1993-Present
Member, American Association for the Advancement of Science, 1994-Present
Member, Irish Academy of Sciences, 2003

Activities

Director, J.D. & C.T. MacArthur Foundation, 1979-2002
Chairman, World Environment & Resources Committee, J.D. & C.T. MacArthur Foundation, 1982-97
Citizen Regent, Smithsonian Institution, 1974-88
Member, President's Science Advisory Committee, 1969-72
Director, AeroVironment, Inc., 1971-Present
Chairman of the Board of Trustees, Aspen Center for Physics, 1973-79
Member, Science Advisory Committee, Leakey Foundation, 1988-Present
Member, Board of Directors, California Nature Conservancy, 1984-1993
Co-Founder, Santa Fe Institute; Board of Trustees, 1984-Present; Chairman of the Board, 1984-85; Co-Chairman, Science Board, 1985-2000
Fellow, Committee for the Scientific Investigation of Claims of the Paranormal (CSICOP), 1985-Present
Board Member, Southern California Skeptics, 1985-91
Member, Scientific Advisory Committee, Conservation International, 1993-2003
Member, Board of Directors, Lovelace Institutes, 1993-95
Trustee, Wildlife Conservation Society, 1994-2004
Member, President's Council of Advisors on Science and Technology, 1994-2001
Member, Advisory Board, Network Physics, 1999-2001
Member, Board of Directors, Encyclopedia Britannica 2004 - Present

Honors and Awards

Sc.D.(h.c.), Yale University, 1959
Dannie Heineman Prize of American Physical Society, 1959
Ernest O. Lawrence Award, 1966
Sc.D.(h.c.), University of Chicago, 1967
Franklin Medal, Franklin Institute of Philadelphia, 1967
John J. Carty Medal, National Academy of Sciences, 1968
Sc.D.(h.c.), University of Illinois, 1968
Sc.D.(h.c.), Wesleyan University, 1968
Research Corporation Award, 1969
Honorary Doctorate, University of Turin, Italy, 1969
Nobel Prize in Physics, 1969
Sc.D.(h.c.), University of Utah, 1970
Sc.D.(h.c.), Columbia University, 1977
Sc.D.(h.c.), Cambridge University, England, 1980
United Nations Environment Program Roll of Honor for Environmental Achievement (The Global 500), 1988
Eric Science for Peace Prize, World Federation of Scientists, 1990
Sc.D.(h.c.), Oxford University, 1992
Sc.D.(h.c.), Southern Illinois University, 1993
Sc.D.(h.c.), Doctorate of Natural Resources, University of Florida, 1994
Dr. Jean Mayer Global Citizenship Award, 1995

Sc.D.(h.c.), Southern Methodist University, 1999
Sigma Xi Procter Prize for Scientific Achievement, 2004
Ellis Island Family Heritage Award, 2005
Albert Einstein Medal, Albert Einstein Society, Bern, 2005

Clubs

Athenaeum, Pasadena, CA
Cosmos Club, Washington, D.C.
Century Association, New York, NY
Explorers Club, New York, NY