

## **Freeman J. Dyson - Biography (detailed)**

### **Born:**

Crowthorne, Berkshire, England, December 15, **1923**.

### **Education:**

Winchester College (England) **1936--1941**.

University of Cambridge, **1941--43**.

**Served** as civilian doing Operations Research at Headquarters, R.A.F. Bomber Command, **1943--1945**.

**B.A.** in Mathematics, University of Cambridge, **1945**.

**Fellow** of Trinity College, Cambridge, **1946--47**.

**Went** to Cornell University in **1947--1948** with a Commonwealth Fellowship.

**Visiting Member**, Institute for Advanced Study, **1948--49**.

**Research Fellow**, University of Birmingham, **1949--51**.

**Became** professor of physics at Cornell University in **1951**.

**Elected** Fellow of the Royal Society in **1952**.

**Professor** of physics at the Institute for Advanced Study, Princeton, **1953--1994**.  
Professor Emeritus, **1994 to present**.

**Became** an American Citizen in **1957**.

**Helped** to design TRIGA reactor and ORION space-ship at General Atomic in San Diego, **1956--59**.

**Intermittently** consulting in various parts of the government, in particular, the weapons laboratories, the Space Agency, the Disarmament Agency, and the Defense Department.

**Served** as Chairman of the Federation of American Scientists for **1962--63**.

**Elected** member of the U.S. National Academy of Sciences in **1964**.

**Visiting** Professor at Yeshiva University, **1967--68**.

**Visiting** Professor at the Max-Planck-Institute for Physics and Astrophysics in Munich, Germany, **1974--75**.

**Elected** Corresponding Member of the Bavarian Academy of Sciences, **1975**.

**Has written** popular scientific articles for magazines, in particular Scientific American, the New Yorker, and the New York Review of Books.

**Awarded** the Danny Heineman Prize by the American Institute of Physics in **1965**.

**Awarded** the Lorentz Medal of the Royal Netherlands Academy in **1966**.

**Awarded** the Hughes Medal of the Royal Society, London, November **1968**.

**Awarded** the Max Planck Medal of the German Physical Society, September **1969**.

**Awarded** the J. Robert Oppenheimer Memorial Prize, Center for Theoretical Studies, Miami, March **1970**.

**Awarded** the Harvey Prize by the Technion, Haifa, Israel, March **1977**.

**"Disturbing the Universe,"** book commissioned by the Science Book Program of the Alfred P. Sloan Foundation and published by Harper and Row, New York and London, **1979**. Translated into French, German, Italian, Spanish, Portuguese, Japanese and Chinese.

**Awarded** the Wolf Prize in physics by the Wolf Foundation of Herzlia, Israel, **1981**.

**Appeared** in PBS television program "The Day After Trinity", April 29, **1981**

**"Weapons and Hope,"** book published by Harper and Row, New York, London, **1984**.

**Honorary Degrees:**

Yeshiva University, 1966

University of Glasgow, 1974

Princeton University, 1974

University of York, 1980

City University of London, 1981

New School of Social Research, 1982

Rensselaer Polytechnic, 1983

Susquehanna University, 1984

Depauw University, 1987

Rider College, 1989

Bates College, 1991

Haverford College, 1991

Dartmouth College, 1995  
Federal Inst. of Tech. (ETH), Switzerland, 1995  
Scuola Normale Superiore, Pisa, Italy, 1996  
University of Puget Sound, 1997  
Oxford University, 1997  
Clarkson University, 1998  
Rockefeller University, 2001  
St. Peter's College, 2004  
Georgetown University, 2005  
University of Michigan, 2005  
University of the Sciences, 2011

**National Books Critics Circle Award for Non-Fiction 1984.**

**"Origins of Life,"** book published by Cambridge University Press, Spring **1986.**

**"Infinite in All Directions,"** book published by Harper and Row, (Cornelia & Michael Bessie Books), Spring **1988.**

**Gemant Award,** given by the American Institute of Physics for "creative work in the arts and humanities that derived from a deep knowledge of and love for physics," June **1988.**

**Phi Beta Kappa Award in Science** for "Infinite in All Directions," November **1988.**

**Member** of National Research Council Commission on Life Sciences, **1989--1991.**

**Elected** Honorary Fellow of Trinity College, Cambridge, England, March **1989.**

**Elected** Associé Etranger de l'Académie des Sciences, Paris, France, June **1989.**

**Britannica Award** for dissemination of knowledge, January **1990.**

**Awarded** the Matteucci Medal by the Accademia Nazionale delle Scienze dei Quaranta, Rome, Italy, March **1990.**

**Awarded** the Oersted Medal by the American Association of Physics Teachers in San Antonio, Texas, **January 22, 1991.**

**"From Eros to Gaia,"** an anthology of lectures and magazine articles written for the general public, published by Pantheon Books, June **1992.**

**Awarded** the Wright Prize by Harvey Mudd College, Claremont, California, February **1994**.

**Montgomery Fellow** at Dartmouth College, Hanover, New Hampshire, September-December **1994**.

**Enrico Fermi Award** given by U.S. Department of Energy, January **1995**.

**Lewis Thomas Prize**, honoring the Scientist as Poet, by Rockefeller University awarded in May **1996**.

**Awarded** the Antonio Feltrinelli International Prize by the Accademia Nazionale dei Lincei in Rome, November **1996**.

**"Selected Papers of Freeman Dyson with Commentary"** published by American Mathematical Society, **1996**.

**"Imagined Worlds,"** an expanded version of the 1995 Harvard-Jerusalem lectures, published by Harvard University Press, April **1997**.

**"The Sun, the Genome and the Internet,"** book published by Oxford University Press, April **1999**.

**New revised edition** of "Origins of Life," book published by Cambridge University Press, **1999**.

**Rydell Professor** at Gustavus Adolphus College, St. Peter, Minnesota, **1999**.

**Awarded** the Joseph P. Burton award by the American Physical Society forum on Physics and Society, **1999**.

**Awarded** the Templeton Prize for Progress in Religion, **2000**.

**Elected** an Honorary Member of the London Mathematical Society, **2000**.

**Served** as member of NASA Advisory Council, **2001--2003**.

**Delivered** Page-Barbour lectures at the University of Virginia, **2004**.

**Served** as member of National Academy of Sciences committee on Next Generation Biowarfare Threats, 2004--2005.

**"The Scientist as Rebel,"** book published by the New York Review of Books, **2006**.

"A Many-colored Glass: Reflections on the Place of Life in the Universe," book published by the University of Virginia Press, **2007**.

"Advanced Quantum Mechanics," book published by World Scientific Publishing Company, **2007 (second edition 2011)**.

**Elected** a Foreign Member of the Russian Academy of Sciences, **2011**.

Awarded the Henri Poincaré Prize, **2012**.