

FRIENDS, HONORS & TRANSITIONS



CARNEGIE FRIENDS

Recognizing Our Benefactors

In 1902, Andrew Carnegie pledged to support innovative researchers of exceptional ability in an environment free from the constraints found in most other research organizations. To this end, he created and endowed the Carnegie Institution. Carnegie scientists are financed largely by endowment income and other revenues; the balance comes from generous individuals and organizations who share the Carnegie vision.

Philanthropic support for the Carnegie Institution allows these scientists to pursue high-risk, high-reward research, putting them at the forefront of their fields. Our primary benefactors play a key role in strengthening Carnegie's ability to fulfill its critical mission. Starting this

year, individuals who donate \$10,000 annually and those who have made significant cumulative donations will be recognized as members of the **Carnegie Philanthropic Societies**. These societies recognize individuals who have given at different levels. The **Barbara McClintock Society** recognizes individuals who contribute \$10,000 or more in a fiscal year. The **Carnegie Founders, Edwin Hubble, and Vannevar Bush Societies** honor individuals who have made lifetime contributions of \$10 million, \$1 million, and \$100,000 respectively. **Second Century Society** members have contributed to Carnegie through planned giving. This listing reflects contributions received between July 1, 2005, and June 30, 2006.

ANNUAL GIVING

The Barbara McClintock Society

An icon of Carnegie science, Barbara McClintock was a Carnegie plant biologist from 1943 until her retirement. She was a giant in the field of maize genetics and received the 1983 Nobel Prize in Physiology or Medicine for her work on patterns of genetic inheritance. She was also the first woman to win an unshared Nobel Prize in this category. To sustain researchers like McClintock, annual contributions to the Carnegie Institution are essential. The McClintock Society thus recognizes generous individuals who contribute \$10,000 or more in a fiscal year, making it possible to pursue the highly original research for which Carnegie is known.

\$100,000 to \$999,999

Stephen P. Fodor
Michael E. Gellert
Robert G. Goelet
William R. Hearst III
Steven L. McKnight
Deborah Rose, Ph.D.
Thomas N. Urban

\$10,000 to \$99,999

Anonymous (1)
Bruce Alberts
Daniel N. Belin
Brigitte Berthelebot
Donald Brown
A. James Clark
Tom Cori

William K. Gayden
William T. Golden
Robert Hazen
Richard E. Heckert
Paul N. Kokulis
Lawrence H. Linden
Burton J. McMurtry
Richard A. Meserve

Robert B. Millard
Manfred D. Moross
Alvin E. Nashman
Sara L. Schupf
David Singer
Christopher T. S. Stone
William I. M. Turner, Jr.
Sidney J. Weinberg, Jr.



OTHER ANNUAL GIVING

Individuals

\$1,000 to \$9,999

Henry H. Arnhold
 Richard Axel
 Charles Bestor
 Anthony J. Cavalieri
 W. Winston Chan
 John F. Crawford
 Eleanora Dalton
 Edward E. David, Jr.
 John P. de Neufville
 Jo Ann Eder
 Sandra M. Faber
 Robert B. Flint, Jr.
 Marilyn Fogel
 W. Kent Ford, Jr.
 Nancy G. Frederick
 Wendy Freedman
 Pembroke J. Hart
 Charles B. Hunter
 Peter G. Katona
 Douglas Kowaland
 G. Gary Kowalczyk
 Johng K. Lim
 John D. Macomber
 Marlow V. Marrs
 Robert Metcalf
 Catherine A. Piez
 Frank Press
 George W. Preston
 Vera Rubin
 Selwyn Sacks
 Robert C. Seamans, Jr.
 Maxine F. Singer
 Christine D. Smith
 Sean C. Solomon
 Allan C. Spradling
 Laurence Strong
 David F. Swensen
 Tetsuo Takanami
 Scott B. Tollefsen
 Charles H. Townes

Under \$1,000

Judith C. Adams
 Jagannadham Akella
 Louis Allahut
 Robert B. Anderson
 Joseph P. Ardizzi
 Harry A. Bacas
 Lawrence C. Baldwin
 Manuel N. Bass
 Clifton J. Batson
 Walter E. Beach
 Peter M. Bell
 Paul Bellaire, Jr.
 Giuseppe Bertani
 Pam Blecksmith
 Daniel H. Borinsky
 Kurt R. Borski
 Ray L. Bowers
 Dorah Brager
 Winslow R. Briggs
 Charles L. Bristor
 Peter C. Brockett
 Harold Brodsky
 Jeanette S. Brown
 Allan B. Burdick
 James E. Burke
 Gordon Burley
 David Burstein
 Donald M. Burt
 Peter R. Buseck
 John A. Caldwell
 Finley A. Campbell
 Kristin A. Carlson
 Carol L. Carpenter
 Ellen N. Carpenter
 Timothy J. Carr
 Dana Carroll
 Britton Chance
 Liang-Chen Chen
 Ida Chow
 Richard Cleary
 Mary Coder
 Michael P. Cohen
 John R. Coleman
 Jonathan Coopersmith
 José M. Correia Neves
 Salvator Cosentino
 John R. Cronin
 Daniel L. Crotty
 Martin Czigler
 Vincent J. De Feo
 Peter de Jonge
 Louis E. De Lanney

William S. Dickey
 Richard V. Dietrich
 Agapito L. Dilonardo
 John B. Doak
 Bruce R. Doe
 Donald D. Duncan
 Donald N. Duvick
 Wallace G. Ernst
 Frederick M. Feldheim
 Raul Fernandez
 Dorothy R. Fischer
 Frederick Forro, Jr.
 John Fournelle
 Laurence W. Fredrick
 David H. Freeman
 Fred S. Fry, Jr.
 Gladys H. Fuller
 Joseph H. Gainer
 Sidney K. Gally
 Esra Galun
 David Gambrel
 Joan Gantz
 Domenico Gellera
 Jane R. Geuder
 Mary H. Goldsmith
 Paul E. Grayson
 F. Loyal Greer
 Irene M. Grill
 John J. Gurney
 Marianne U. Gustafson
 Ronald R. Gustafson
 William G. Hagar III
 Stanley R. Hart
 William K. Hart
 Richard S. Hartman
 Gordon S. Hawkins
 Norris C. Hekimian
 H. Lawrence Helfer
 Donald L. Hersh
 John F. Hockenberry
 Henry P. Hoffstot, Jr.
 Anne M. Hofmeister
 Lisa Holt
 Wayne J. Hopkins
 Vaclav Horak
 George M. Hornblower
 Satoshi Hoshina
 Robert F. Howard
 Edward Hurwitz
 John H. Jacobs
 Ernest G. Jaworski
 William N. Jeffers
 John F. Johnson

Ted J. Johnson
 Basil Katem
 Susan D. Kern
 Thomas Kirby
 Linda Kontnier
 William E. Kopka
 Olavi Kouvo
 Audrey S. Krause
 Jeffrey L. Kretsch
 Ikuo Kushiuro
 Hans Laufer
 Arthur LaVelle
 Samuel A. Lawrence
 Harold H. Lee
 Allan T. Leffler
 Ernest H. Lehmann
 Lavonne Lela
 Alan E. Levin
 F. Harlan Lewis
 Steven L'Hernault
 Joseph Q. Livingston
 Felix J. Lockman
 Steven R. Majewski
 W. R. Mancuso
 Sidney Marantz
 Chester B. Martin, Jr.
 Peter V. Mason
 Robert Mateer
 Mabel B. Mattingly
 James M. Mattinson
 David Mauriello
 Donald H. McClelland
 Sheila McCormick
 Dennis F. Miller
 Lee J. Miller
 Philip Mitchell
 Joseph F. Moore
 Gary G. Mrenak
 Jack E. Myers
 Richard L. Nielsen
 Robert A. Nilan
 Peter J. Nind
 Adrienne Noe
 Noboru Oba
 Michael Ollinger
 Lawrence C. Pakula
 Robert Paris
 R. Bryce Parry
 Arnold Phifer
 Gregory F. Pilcher
 John Prignano
 Shirley Raps
 Donald G. Rea

Philippe Reymond
 Benjamin Richter
 Randall B. Roe
 Christopher Rubel
 Douglas Rumble III
 Akira Sasaki
 Maarten Schmidt
 François Schweizer
 Michael Seibert
 Martin G. Seitz
 Nobumichi Shimizu
 Mary E. Simon
 Virginia B. Sisson
 Brian Smith
 Robert C. Smith
 David E. Snead
 Jay B. Snell
 James A. Soles
 Richard H. Solomon
 Erich W. Steiner
 David B. Stewart
 Alan M. Stueber
 Gary R. Tanigawa
 Lawrence A. Taylor
 Mack Taylor
 Thomas M. Tekach
 John R. Thomas
 Honora F. Thompson
 Ian Thompson
 Norbert Thonnard
 Peter A. Tinsley
 Michael Tobias
 Barbara J. Tufty
 William B. Upholt
 W. K. VanNewkirk
 David Velinsky
 Shirley Venger
 Richard Yagi
 Wayne H. Warren, Jr.
 Johannes Weertman
 Curtis Wells
 George Wetherill
 William M. White
 W. D. Whitehead, Jr.
 James E. Williams
 Robert F. Wing
 Fredrick P. Woodson
 Frank K. Wyatt III
 Kenzo Yagi
 Donald S. Yeager
 Violet K. Young
 Timothy A. Zimmerlin

Foundations and Corporations

\$1 Million or More

W. M. Keck Foundation
The Kresge Foundation
Gordon and Betty Moore Foundation

\$100,000 to \$999,999

The Ahmanson Foundation
Fannie Mae Foundation
John D. and Catherine T. MacArthur Foundation
Ambrose Monell Foundation
The Ralph M. Parsons Foundation
The San Simeon Fund, Inc.

\$10,000 to \$99,999

Carnegie Institution of Canada/
Institution Carnegie du Canada
Clark Charitable Foundation
Clark Construction Group, LLC
Gayden Family Foundation
Golden Family Foundation

Richard W. Higgins Foundation
Howard Hughes Medical Institute
Suzanne Nora Johnson and
David G. Johnson Foundation
Lawrence and Dana Linden
Family Foundation
The G. Harold and Leila Y. Mathers
Charitable Foundation
The Kenneth T. and Eileen L.
Norris Foundation
Pfizer Foundation Matching
Gifts Program
The Weathertop Foundation
Sidney J. Weinberg, Jr., Foundation
The Whitaker Foundation

\$1,000 to \$9,999

The Baruch Fund
The Bristol-Myers Squibb
Foundation, Inc.
Samuel H. Kress Foundation
Robert W. and Gladys S. Meserve
Charitable Trust
Pioneer Hi-Bred International, Inc.

Under \$1,000

Guven Clay Consultants, Inc.
Yanofsky Family Revocable Trust

Government

Over \$1 Million

National Aeronautics and Space
Administration
National Science Foundation
U.S. Department of Energy
U.S. Public Health Service

\$100,000 to \$1 Million

Space Telescope Science Institute
U.S. Office of Naval Research

\$10,000 to \$99,999

National Oceanic and Atmospheric
Administration
U.S. Army



David Greenewalt

Giving to Carnegie: A Family Tradition

The Greenewalt family has a special place in Carnegie history. For over a half century it has made giving to the institution a family affair. Its legacy of support began with Crawford, an engineer and former president and chairman of E. I. du Pont de Nemours and Company. He joined the Carnegie board of trustees in 1952 and was an active member for 32 years. He became particularly interested in Carnegie astronomy. When the institution began to plan for an observatory in the Southern Hemisphere, he and his wife, Margareta, contributed substantially to the construction of the 2.5-meter Irénée du Pont telescope at Las Campanas, Chile. The telescope was named after Mrs. Greenewalt's father. Later, the Carnegie board honored Crawford with the establishment of the Crawford H. Greenewalt Chair at the Observatories, which is currently held by Director Wendy Freedman.

In 1992 Crawford's son David, a geophysicist and oceanographer at the Naval Research Laboratory in Washington, D.C., followed in his father's footsteps and became a member of the Carnegie board. In 1999 he was elected board secretary. Like his father, he was exceptionally active in Carnegie affairs with his wife, Charlotte. David took great pleasure in chatting directly with researchers and gave generously to Carnegie science until his death in 2003.

In recognition of David Greenewalt's strong ties to the institution, his love for science, and his enthusiasm for the Earth sciences in particular, the board of trustees named the refurbished experiment building at the Broad Branch Road Campus in Washington, D.C., after him in the fall of 2006.

The Greenewalt family is foremost in its support of Carnegie science, donating a total of \$8.5 million over the decades. The institution is sincerely grateful for its singular legacy of giving. Countless scientists have been able to fulfill their research dreams through the Greenewalts' enduring generosity.

LIFETIME GIVING SOCIETIES



The Carnegie Founders Society

Andrew Carnegie, the founder of the Carnegie Institution, established it with a gift of \$10 million. Although he ultimately gave a total of \$22 million to the institution, his initial \$10 million gift represents a special level of giving. In acknowledgment of the significance of this initial contribution, individuals who support Carnegie's scientific mission with lifetime contributions of \$10 million or more are recognized as members of the Carnegie Founders Society.

Caryl P. Haskins*

William R. Hewlett*

The Edwin Hubble Society

The most famous astronomer of the 20th century, Edwin Hubble, joined the Carnegie Institution in 1919. Hubble's observations shattered our old concept of the universe. He proved that the universe is made of collections of galaxies and is not just limited to our own Milky Way, and that it is expanding. This work redefined the science of cosmology. Science typically requires years of work before major discoveries like these can be made. The Edwin Hubble Society honors those whose lifetime support has enabled the institution to continue fostering such long-term, paradigm-changing research by recognizing those who have contributed between \$1,000,000 and \$9,999,999.



D. Euan Baird
Michael E. Gellert
Robert G. Goelet
William T. Golden
Crawford H. Greenewalt*
David Greenewalt*
Margaretta Greenewalt*
William R. Hearst III

Richard E. Heckert
Kazuo Inamori
Burton J. McMurtry
Jaylee M. Mead
Deborah Rose, Ph.D.
Thomas N. Urban
Sidney J. Weinberg, Jr.

The Vannevar Bush Society

Vannevar Bush, the renowned leader of American scientific research of his time, served as Carnegie's president from 1939 to 1955. Bush believed in the power of private organizations and wrote in 1950, "It was Andrew Carnegie's conviction that an institution which sought out the unusual scientist, and rendered it possible for him to create to the utmost, would be worth while [sic] . . ." He further said that "the scientists of the institution . . . seek to extend the horizons of man's knowledge of his environment and of himself, in the conviction that it is good for man to know." The Vannevar Bush Society recognizes individuals who have made lifetime contributions of between \$100,000 and \$999,999.



Anonymous (2)
Philip H. Abelson*
Bruce Alberts
Daniel N. Belin
A. James Clark
Tom Cori
John Diebold*
Jean W. Douglas
James Ebert*
Bruce W. Ferguson
Stephen P. Fodor
William K. Gayden
Robert and Margaret Hazen
Henrietta W. Hollaender*
Antonia A. Johnson

Gerald D. Laubach
John D. Macomber
Steven L. McKnight
J. Irwin Miller*
Alvin E. Nashman
Evelyn Stefansson Nef
Alexander Pogo*
Cary Queen
Elizabeth M. Ramsey*
Vera Rubin
William J. Rutter
Maxine F. Singer
Frank Stanton*
Christopher T. Stone
William I. Turner

SECOND CENTURY SOCIETY

The Carnegie Institution is now in its second century of supporting scientific research and discovery. The Second Century Society recognizes individuals who have remembered, or intend to remember, the Carnegie Institution in their estate plans and those who have supported the institution through other forms of planned giving.

Philip H. Abelson*
Gordon Allen
Bradley F. Bennett
Francis R. Boyd*
Eleanora Dalton
Hugh H. Darby
Julie D. Forbush*
M. Charles Gilbert
Kirsten H. Gildersleeve

Caryl P. Haskins*
Robert and Margaret Hazen
Paul N. Kokulis
Gilbert V. Levin
Evelyn Stefansson Nef
Maxine F. Singer
Frank Stanton*
Hatim A. Tyabji

*deceased | Members were qualified with gift records we believe to be accurate. If there are any questions, please call Mira Thompson at 202-939-1122.

HONORS & TRANSITIONS



★ Sandra Faber



★ Charles H. Townes



★ Andrew Fire



★ Joseph Gall



★ Allan Spradling



★ Russell Hemley



★ Ho-kwang (Dave) Mao



★ Wesley Huntress, Jr.



★ Bjørn Mysen

(Image courtesy: Stanford News Service)

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Friends, Honors & Transitions

HONORS

Trustee and astronomer **Sandra Faber** was awarded the Centennial Medal of the Harvard University Graduate School of Arts and Sciences in June in recognition of her contributions to society stemming from graduate education at the university. In July she received the Medal of the Institute for Astrophysics of Paris for her work on dark matter, the discovery of black holes at galactic centers, and the existence of large-scale motions of the Hubble flow.

Trustee emeritus **Charles H. Townes** received the 2006 Vannevar Bush Award from the National Science Board for his lifelong contributions to research and scientific advocacy.

Embryology

Former Embryology staff member **Andrew Fire** was awarded the 2006 Nobel Prize for Physiology or Medicine, with colleague Craig Mello, for their work on RNA interference. Fire conducted the research while at Carnegie.

Joseph Gall received the 2006 Albert Lasker Award for Special Achievement in Medical Science for his “distinguished 57-year career” in cell biology.

Department director **Allan Spradling** was elected president of the Genetics Society of America for 2006.

Geophysical Laboratory

The International Balzan Foundation awarded staff scientists **Russell Hemley** and **Ho-kwang (Dave) Mao** the 2005 Balzan Prize for Mineral Physics in November 2005 for their work in high-pressure physics.

Department director **Wesley Huntress, Jr.**, was appointed U.S. representative to a United Nations committee organizing a celebration for the 50th anniversary of the inauguration of the space age with the launch of Sputnik.

Staff member **Bjørn Mysen** was corecipient of the George W. Morey Award from the American Ceramic Society in May for the book *Silicate Glasses and Melts: Properties and Structure*.



★ Wendy Freedman



★ Christopher Somerville



★ Kathy Barton



★ Sean Solomon



★ Larry Nittler



★ Michael Brin



★ Ken Caldeira



★ Alexander Goncharov



★ David MacPherson



★ Jeffrey Han

Observatories

Department director **Wendy Freedman** received the 2005 Klopsteg Memorial Award from the American Association of Physics Teachers.

Plant Biology

The International Balzan Foundation awarded Plant Biology director **Christopher Somerville**, with colleague Elliot Meyerowitz, the 2006 Balzan Prize for their work in plant molecular genetics.

Staff member **Kathy Barton** was elected to the Genetics Society of America's board of directors.

Terrestrial Magnetism

Department director **Sean Solomon** received a Distinguished Alumni Award from Caltech in May 2006.

Staff member **Larry Nittler** was awarded the Antarctic Service Medal in December 2005 for his work with the 2000-2001 Antarctic Search for Meteorites team.

TRANSITIONS

Michael Brin was elected to the board of trustees in May 2006.

On July 1, 2005, **Ken Caldeira** joined the Department of Global Ecology and **Alexander Goncharov** joined the Geophysical Laboratory, both as staff scientists.

David MacPherson and **Jeffrey Han** were appointed staff associates at the Department of Embryology on September 1, 2005, and January 1, 2006, respectively.