

AMERICAN ACADEMY OF ARTS & SCIENCES

Projects, Publications & Meetings, 2013 – 2014



With Appreciation . . .

Academy projects, publications, and fellowships are supported by gifts and grants from Fellows, friends, foundations, corporations, the University Affiliates, and other funding agencies. The Academy expresses its deep appreciation for this support and to the many Fellows who contribute to its work.

Front Cover Photos:

Third row (left to right): Keith Yamamoto (University of California, San Francisco); Robert W. Fri (Resources for the Future)

Fourth row: Richard H. Brodhead (Duke University)

Fifth row (left to right): Nancy C. Andrews (Duke University School of Medicine); Steven E. Miller (Harvard University); Mary Sue Coleman (University of Michigan)

Sixth row (left to right): Maxine L. Savitz (Honeywell, Inc., ret.; National Academy of Engineering); Scott D. Sagan (Stanford University)

Seventh row (left to right): Norman R. Augustine (Lockheed Martin Corporation, ret.); John W. Rowe (Exelon Corporation, ret.)

Contents

PROGRAM AREAS

Science, Engineering, and Technology

Overview	4
ARISE II	5
New Models for U.S. Science and Technology Policy	6
Public Trust in Vaccines	7
Publications	8
Project Meetings and Workshops	9

Global Security and Energy

Overview	10
The Global Nuclear Future	11
The Alternative Energy Future	12
Publications	13
Project Meetings and Workshops	14

The Humanities, Arts, and Education

Overview	19
The Commission on the Humanities and Social Sciences	20
The Humanities Indicators	23
Financial Literacy and the Educated American	24
The Lincoln Project	25
Publications	26
Regional Forums on the Humanities and Social Sciences	27

American Institutions and the Public Good

Overview	32
Stewarding America	32
Publications	33

Fellowship Programs

The Visiting Scholars Program	34
The Hellman Fellowship in Science and Technology Policy	34

University Affiliates

Meetings and Events around the Country

Projects, Publications & Meetings, 2013–2014

Drawing from every field and profession, the Academy brings together scholars, artists, policy-makers, business leaders, and other experts to examine the most pressing problems facing our world.

The Academy has projects in four program areas:

- Science, Engineering, and Technology;
- Global Security and Energy;
- The Humanities, Arts, and Education; and
- American Institutions and the Public Good.

Active outreach efforts ensure that Academy findings and proposals reach policy-makers and leaders in government, higher education, business, and philanthropy. The Academy shares its research and recommendations through publications, meetings and events, and domestic and international policy forums.

In addition, the Academy sponsors two fellowship programs to support the next generation of scholars and policy-makers and also collaborates with fifty-nine colleges and universities on challenges to U.S. higher education.

Oversight Committee

Neal Lane, *Cochair*
Rice University

Charles M. Vest, *Cochair*
National Academy of
Engineering, *ret.*

Norman R. Augustine
Lockheed Martin Corporation, *ret.*

John Bryson
Woodrow Wilson International
Center for Scholars; formerly,
U.S. Department of Commerce

Claude Canizares
Massachusetts Institute of
Technology

Thomas Cech
University of Colorado Boulder;
formerly, Howard Hughes Medical
Institute

Gerald Fischbach
Simons Foundation

Marye Anne Fox
University of California,
San Diego

John L. Hennessy
Stanford University

Richard A. Meserve
Carnegie Institution for Science

C. Dan Mote, Jr.
National Academy of Engineering;
University of Maryland



SCIENCE, ENGINEERING, AND TECHNOLOGY

Academy projects in Science, Engineering, and Technology convene leading scientists, policy-makers, and technical experts from both academia and industry to advance critical thinking about the evolving landscape for scientific research. The studies explore how science and technology are changing, how to help the public understand those changes, and how society can better adapt to those changes. Areas of interest include the American research enterprise and the factors affecting the nation's productivity in science and technology; the evolution of the Internet and its influence on social norms and institutions; and public understanding of, and trust in, science and medicine.

The Academy serves as a key resource to national policy-makers on issues pertaining to the U.S. scientific research enterprise and its importance to technological innovation.

ARISE II—The Role of Academia, Industry, and Government in the 21st Century

This project is developing recommendations to strengthen the American research enterprise. Three critical players contribute to the U.S. research enterprise: government, industry, and academia. Understanding the relationship between these players and aligning their strengths is necessary in order for the United States to maintain its leadership in science, engineering, and medicine.

The project report, *ARISE II: Unleashing America's Research & Innovation Enterprise*, highlights the need for greater synergy between government, university, and industry research. It offers recommendations and suggests steps to encourage trans-disciplinary and trans-sector research collaborations.

In the 21st century, how will the impact of technology, market forces, demographics, and – especially – globalization affect our picture of a working, if not ideal, national innovation ecosystem?

– Cherry A. Murray, Dean, School of Engineering and Applied Sciences, and John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Science, Harvard University



Venkatesh Narayanamurti (Harvard University), Nancy C. Andrews (Duke University School of Medicine), and Keith Yamamoto (University of California, San Francisco)

Project Directors

Venkatesh
Narayanamurti
Harvard University

Keith Yamamoto
University of
California,
San Francisco

Committee and Advisory Group

Nancy C. Andrews
Duke University School
of Medicine

Neal Lane
Rice University

Dennis Ausiello
Harvard Medical
School

Eugene H. Levy
Rice University

Lawrence S. Bacow
Tufts University

Joseph B. Martin
Harvard Medical
School

Malcolm R. Beasley
Stanford University

Cherry A. Murray
Harvard University
School of Engineering
and Applied Sciences

Edward J. Benz, Jr.
Dana-Farber Cancer
Institute

Gilbert Omenn
University of Michigan

David Botstein
Princeton University

Thomas D. Pollard
Yale University

H. Kim Bottomly
Wellesley College

Robert C.
Richardson †
Cornell University

Robert Brown
Boston University

David D. Sabatini
New York University
School of Medicine

Claude Canizares
Massachusetts Institute
of Technology

Randy Schekman
University of
California, Berkeley

Uma Chowdhry
DuPont, *ret.*

Richard H. Scheller
Genentech, Inc.

Mary Sue Coleman
University of Michigan

Henri A. Termeer
Genzyme Corporation,
ret.

Alan Ezekowitz
Abide Therapeutics

Harvey V. Fineberg
Institute of Medicine

Samuel Thier
Harvard Medical
School

Mary L. Good
University of Arkansas

Leah Jamieson
Purdue University

Project Staff

Linda Katehi
University of
California, Davis

John Randell
Dorothy Koveal

† Deceased

Project Directors

Norman R. Augustine
Lockheed Martin Corporation, ret.

Neal Lane
Rice University

Committee Members

Nancy C. Andrews
Duke University School of Medicine

John Bryson
*Woodrow Wilson International
Center for Scholars; formerly,
U.S. Department of Commerce*

Jim Gates
University of Maryland

Bart Gordon
*K&L Gates LLP; formerly,
U.S. House of Representatives*

Richard A. Meserve
Carnegie Institution for Science

C. Dan Mote, Jr.
*National Academy of Engineering;
University of Maryland*

Maxine L. Savitz
*Honeywell, Inc., ret.; National
Academy of Engineering*

Shirley Tilghman
Princeton University

Project Staff

John Randell
Dorothy Koveal

New Models for U.S. Science and Technology Policy

Scientific and technological advances are fundamental to the prosperity, health, and security of the United States. After World War II, a strong partnership among the federal government, universities, and industry supported extraordinary scientific discovery and technological innovation. This partnership is now being challenged by a policy-making apparatus that originated in a different era and that may be inadequate in a post-Cold War world, with the rise of globalization and the continuing information revolution. To remain at the forefront of scientific and engineering research, the United States may need to develop new models for long-range thinking on science and technology matters. This task is especially important in a period of foreseeable financial constraints.

This project will examine how the nation can improve U.S. policy-making related to science and technology. It will offer recommendations to sustain a longer-term, nonpartisan, national focus on science and technology policy issues that are of vital importance to the country. It will also explore the creation of a national working group on long-term science and technology policy.



Jim Gates (University of Maryland) and **Norman R. Augustine** (Lockheed Martin Corporation, ret.)

Public Trust in Vaccines

This new project is examining public perceptions of childhood vaccines in the United States and around the world, comparing global differences in vaccine trust, and suggesting communication strategies to build and maintain public trust in vaccines. An expert committee drawn from medicine, behavioral science, communications, science history, and journalism is evaluating how public trust is shaped and offering recommendations to improve trust in vaccines at the individual, organizational, and societal levels.



This study concentrates on a key element in realizing the benefits of vaccines: namely, public acceptance and willingness to be immunized. No matter how effective and safe a vaccine may be, if it only sits on a shelf, it cannot protect anyone.

– Harvey V. Fineberg, President, Institute of Medicine

Project Directors

Barry Bloom, *Chair*
Harvard School of Public Health

Edgar Marcuse, *Vice Chair*
University of Washington

Seth Mnookin, *Vice Chair*
Massachusetts Institute of Technology

Project Staff

John Randell
Dorothy Koveal

Publications

Advancing Research in Science and Engineering

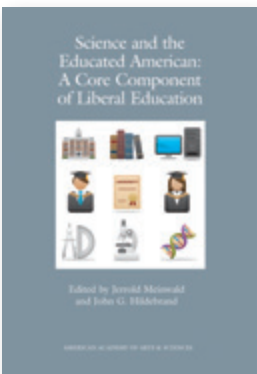
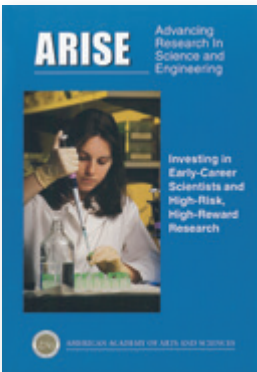
- *ARISE II: Unleashing America's Research & Innovation Enterprise* (American Academy of Arts and Sciences, 2013)
- *ARISE—Advancing Research In Science and Engineering: Investing in Early-Career Scientists and High-Risk, High-Reward Research* (American Academy of Arts and Sciences, 2008)

Public Understanding of Science

- “Science in the 21st Century,” *Dædalus*, edited by Jerrold Meinwald and May R. Berenbaum (MIT Press, 2012)
- *Science and the Educated American: A Core Component of Liberal Education*, edited by Jerrold Meinwald and John G. Hildebrand (American Academy of Arts and Sciences, 2010)
- *Do Scientists Understand the Public?* Chris Mooney (American Academy of Arts and Sciences, 2010)
- *Science and the Media*, edited by Donald Kennedy and Geneva Overholser (American Academy of Arts and Sciences, 2010)

Future of the Internet

- “Protecting the Internet as a Public Commons,” *Dædalus*, edited by David D. Clark (MIT Press, 2011)



Project Meetings and Workshops

ARISE II—THE ROLE OF ACADEMIA, INDUSTRY, AND GOVERNMENT IN THE 21ST CENTURY

Briefing on the Project Report, ARISE II: Unleashing America's Research & Innovation Enterprise

May 1, 2013

The National Press Club

Washington, D.C.

Speakers

Venkatesh Narayanamurti, Cochair
Harvard University

Keith Yamamoto, Cochair
University of California,
San Francisco

Nancy C. Andrews
Duke University School of Medicine

NEW MODELS FOR SCIENCE AND TECHNOLOGY POLICY

Roundtable Discussion on Long-Term U.S. Science and Technology Policy

June 10, 2013

Washington, D.C.

Participants

Norman R. Augustine, Cochair
Lockheed Martin Corporation, ret.

Neal Lane, Cochair
Rice University

Nancy C. Andrews
Duke University School of Medicine

John Bryson
Woodrow Wilson International
Center for Scholars; formerly, U.S.
Department of Commerce

Jim Gates
University of Maryland



Neal Lane (Rice University) and **C. Dan Mote, Jr.** (National Academy of Engineering; University of Maryland)

C. Dan Mote, Jr.
National Academy of Engineering;
University of Maryland

John Randell
American Academy of Arts and
Sciences

Dorothy Koveal
American Academy of Arts and
Sciences

Committee on International Security Studies

Steven E. Miller, *Cochair*
Harvard University

John D. Steinbruner, *Cochair*
University of Maryland

Senior Advisors

Francis M. Bator
Harvard University

James Carroll
The Boston Globe

Siegfried S. Hecker
Stanford University

Matthew Meselson
Harvard University

Committee Members

Kelly Sims Gallagher
Tufts University

Richard L. Garwin
IBM Thomas J. Watson
Research Center

Harry Harding
University of Virginia

Jennifer Leaning
Harvard University

Robert Legvold
Columbia University

Janne Nolan
George Washington University

Barry Posen
Massachusetts Institute of Technology

Bruce Russett
Yale University

Scott D. Sagan
Stanford University

Shibley Telhami
University of Maryland



GLOBAL SECURITY AND ENERGY

The Academy's projects on Global Security and Energy are conducted under the direction of the Committee on International Security Studies (CISS). Founded by Harvey Brooks, CISS has been led by distinguished experts such as Paul Doty, Franklin A. Long, and Carl Kaysen. Previous work includes pathbreaking analyses of the implications of the Strategic Defense Initiative, the militarization of space, the relationship between environmental scarcity and violent conflict, the proliferation of small arms and light weapons, and the challenge of strengthening institutions of international justice.

Today, CISS focuses on emerging challenges to international peace and security, with particular attention to the effects of globalization on social, economic, environmental, and technological transformation.

As a nongovernmental, nonpartisan institution, the Academy has sustained an innovative security studies program for more than thirty years.

The Global Nuclear Future

This project advances effective policies and procedures that minimize the international security and nonproliferation concerns associated with the spread of nuclear energy. The project brings together key stakeholders for candid discussions of these critical issues, drawing attention to both emerging dangers and potential solutions. Working with an international group of scholars, industry experts, and government officials, the project seeks to bring new ideas into the nuclear energy dialogue and promotes cooperative multi-state solutions to shared problems.

Since 2008, the Academy has made significant progress in identifying and promoting policy recommendations to minimize the security risks inherent in the global spread of nuclear energy.

- Project work had an impact on the outcome of the 2010 Nuclear Non-Proliferation Treaty (NPT) Review Conference, and it informed discussions with delegates to the 2012 NPT Preparatory Committee.
- Academy research on the security standards of current and aspiring nuclear powers and on insider threats directly informed the U.S. delegation to the 2010 and 2012 Nuclear Security Summits.
- Academy recommendations on the back-end of the nuclear fuel cycle are reflected in the report of the President's Blue Ribbon Commission on America's Energy Future and have been featured in media sources such as *Proliferation News*, *Nuclear Fuel*, and *Nucleonics Week*.

We are heading into a new nuclear world; it will be different from the one in which we have been living. More nuclear technology will be spread across more places, raising worrisome possibilities that nuclear technology will end up in places that may be hostile, unstable, or unreliable in their management of the technology.

– Steven E. Miller, Director, International Security Program, Belfer Center for Science and International Affairs, Harvard Kennedy School

Project Directors

Steven E. Miller
Harvard University

Scott D. Sagan
Stanford University

Senior Advisor

Robert Rosner
University of Chicago

Research Coordinator

Stephen M. Goldberg
Argonne National Laboratory

Advisory Group

Albert Carnesale
University of California, Los Angeles

Richard A. Meserve
Carnegie Institution for Science

Sam Nunn
Nuclear Threat Initiative

George Perkovich
Carnegie Endowment for
International Peace

William J. Perry
Stanford University

William Potter
Monterey Institute of
International Studies

John W. Rowe
Exelon Corporation, *ret.*

George P. Shultz
Stanford University

Project Staff

Francesca Giovannini

Project Directors

Robert W. Fri, Chair
Resources for the Future

Maxine L. Savitz, Vice Chair
Honeywell, Inc., ret.; National
Academy of Engineering

Steering Group

Stephen Ansolabehere
Harvard University

Douglas Arent
National Renewable Energy
Laboratory

Ann Carlson
UCLA School of Law

Thomas Dietz
Michigan State University

Kelly Sims Gallagher
Tufts University

Steven E. Koonin
New York University; formerly,
U.S. Department of Energy

M. Granger Morgan
Carnegie Mellon University

Richard Newell
Duke University

Michael Vandenbergh
Vanderbilt University

Project Staff

John Randell

The Alternative Energy Future

This project examines the nontechnological barriers to the adoption of new energy technologies and how these barriers might be overcome. Changing the existing energy infrastructure to address economic and environmental challenges will require changes to economic, social, and legal structures as well, yet many of these societal considerations have not been adequately considered by policy-makers. The project report, *Beyond Technology: Strengthening Energy Policy through Social Science*, presents a social science research agenda on energy and recommends five strategies for enhancing collaboration between social scientists and policy-makers.

Forum on Energy and Social Science

The Academy has established a standing group of senior business executives, government advisors, and university and foundation representatives to identify and act on new opportunities to integrate the social and behavioral sciences into the development of U.S. energy policy. Forum members include:

Jared Cohon
Carnegie Mellon University

Billy M. Glover
Boeing Commercial Airplanes

Robert Hauser
National Research Council

Chad Holliday, Jr.
Bank of America

Kathryn Jackson
Westinghouse Electric
Corporation

Steven E. Koonin
New York University;
formerly, U.S. Department of
Energy

David Krieger
Warburg Pincus

Scott Tinker
University of Texas at Austin

Large government bureaucracies at local, state, national, and supranational levels have evolved to monitor the energy system's operation and regulate its behavior. If the system itself changes, then all of the individual and institutional links to it will have to change, too.

– Robert W. Fri, Visiting Scholar and Senior Fellow Emeritus, Resources for the Future

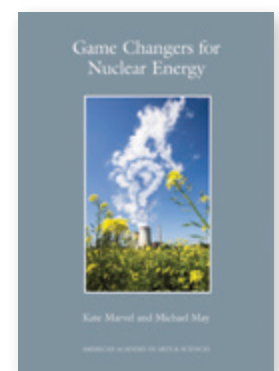
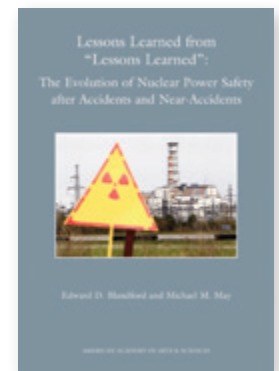
Publications

The Global Nuclear Future

- *The Back-End of the Nuclear Fuel Cycle: An Innovative Storage Concept*, Stephen M. Goldberg, Robert Rosner, and James P. Malone (American Academy of Arts and Sciences, 2012)
- *Nuclear Collisions: Discord, Reform & the Nuclear Nonproliferation Regime*, essay by Steven E. Miller, with responses by Wael Al-Assad, Jayantha Dhanapala, C. Raja Mohan, and Ta Minh Tuan (American Academy of Arts and Sciences, 2012)
- *Lessons Learned from “Lessons Learned”: The Evolution of Nuclear Power Safety after Accidents and Near-Accidents*, Edward D. Blandford and Michael M. May (American Academy of Arts and Sciences, 2012)
- *Nuclear Reactors: Generation to Generation*, Stephen M. Goldberg and Robert Rosner (American Academy of Arts and Sciences, 2011)
- *Game Changers for Nuclear Energy*, Kate Marvel and Michael May (American Academy of Arts and Sciences, 2011)
- *Shared Responsibilities for Nuclear Disarmament: A Global Debate*, essay by Scott D. Sagan, with responses by James M. Acton, Jayantha Dhanapala, Mustafa Kibaroglu, Harald Müller, Yukio Satoh, Mohamed I. Shaker, and Achilles Zaluar (American Academy of Arts and Sciences, 2010)
- *Multinational Approaches to the Nuclear Fuel Cycle*, Charles McCombie & Thomas Isaacs, Noramly Bin Muslim, Tariq Rauf, Atsuyuki Suzuki, Frank von Hippel, and Ellen Tauscher (American Academy of Arts and Sciences, 2010)
- “On the Global Nuclear Future,” vols. 1 – 2, *Dædalus*, edited by Steven E. Miller and Scott D. Sagan (MIT Press, 2009 – 2010)

The Alternative Energy Future

- “The Alternative Energy Future,” vols. 1 – 2, *Dædalus*, edited by Robert W. Fri and Stephen Ansolabehere (MIT Press, 2012 – 2013)
- *Beyond Technology: Strengthening Energy Policy through Social Science* (American Academy of Arts and Sciences, 2011)



Project Meetings and Workshops

THE GLOBAL NUCLEAR FUTURE

Emerging Nuclear Power in Regional Contexts: Southeast Asia

November 15 – 17, 2012

Hanoi, Vietnam

Chair

Scott D. Sagan

Stanford University



Robert Rosner (University of Chicago)

Participants

Mohit Abraham

PXV Partners

Sulfikar Amir

Nanyang Technological University

Aishah Bidin

Universiti Kebangsaan Malaysia

Chin Siew Fei

Ministry of Foreign Affairs,
Singapore

Chung-hyun Cho

Korean Electric Power Corporation

Jayantha Dhanapala

Pugwash Conferences on Science and
World Affairs

Philippe Gillet

Back End Business Group

Francesca Giovannini

Stanford University

Stephen M. Goldberg

Argonne National Laboratory

Hiroki Hayafune

Japan Atomic Energy Agency

Hoang Anh Tuan

Vietnam Atomic Energy Agency,
Ministry of Science and Technology

Stephen Kidd

World Nuclear Association

Kaoru Kikuyama

International Nuclear Energy Public
Private Partners

Heung-il Kim

Korean Electric Power Corporation

Le Chi Dung

Vietnam Agency for Radiation and
Nuclear Safety

Le Dinh Tien

Vietnam Ministry of Science and
Technology

Le Doan Phac

Vietnam Atomic Energy Agency,
Ministry of Science and Technology

JooSang Lee

TÜV-SÜD-Kocen

Mauro L. Marcelo, Jr.

National Power Corporation

Charles McCombie

Arius Association



Aishah Bidin (Universiti Kebangsaan Malaysia), **Anita Nilsson** (AN & Associates, LLC), **Ta Minh Tuan** (Office of the Prime Minister of Vietnam; Diplomatic Academy of Vietnam), and **Scott D. Sagan** (Stanford University)

Noramly bin Muslim

University of Malaysia

Nguyen Thi Yen NinhVietnam Atomic Energy Agency,
Ministry of Science and Technology**Anita Nilsson**

AN & Associates, LLC

Akira OmotoTokyo Institute of Technology;
Atomic Energy Commission of Japan**Sunanta Patrashakorn**

Nuclear Society of Thailand

Thitinan PongsudhirakInstitute of Security and
International Studies;
Chulalongkorn University**Mohamad Puad bin Haji Abu**Ministry of Science, Technology and
Innovation**Tariq Rauf**

International Atomic Energy Agency

Robert Rosner

University of Chicago

Mohamed I. Shaker

Egyptian Council for Foreign Affairs

David Shear

U.S. Ambassador to Vietnam

Ta Minh TuanOffice of the Prime Minister of
Vietnam; Diplomatic Academy of
Vietnam**Ton Nu Thi Ninh**Tri Viet Center for Social and
Educational Research**Vo Van Thuan**Permanent Office of the State
Steering Committee for Ninh Thuan
Nuclear Power Projects**Vuong Huu Tan**Vietnam Agency for Radiation and
Nuclear Safety**Leonid Yanko**

JSC TVEL; Rosatom

Kimberly J. DurniakAmerican Academy of Arts and
Sciences***Dual-Use Technologies: Theory and Practice***

January 28 – 29, 2013

Stanford University

Participants**Penrose C. “Parney” Albright**Lawrence Livermore National
Security, LLC**Joel F. Brenner**

Cooley, LLP; The Chertoff Group

Mariano-Florentino Cuéllar

Stanford Law School

Richard Cupitt

U.S. Department of State

Lynn Eden

Stanford University

Drew EndyStanford University; BioBricks
Foundation**Gerald Epstein**U.S. Department of Homeland
Security**Richard A. Epstein**Hoover Institution; New York
University School of Law;
University of Chicago**Samuel Evans**

University of California, Berkeley

David R. FranzU.S. Army Medical Research Institute
of Infectious Diseases**John Gilleland**

TerraPower, LLC

Francesca Giovannini

Stanford University

Stephen M. Goldberg

Argonne National Laboratory

Robert B. Hardy

Council on Governmental Relations

Roger HurwitzUniversity of Toronto;
Massachusetts Institute of
Technology**Jo L. Husbands**National Academy of Sciences;
Georgetown University**Paul J. Jackson**Lawrence Livermore National
Laboratory**Lucas Kello**

Harvard University

**Stephen M. Goldberg** (Argonne
National Laboratory)**Todd M. La Porte**

George Mason University

Herbert Lin

The National Academies

Warren F. Miller, Jr.Texas A&M University;
Stanford University**Masamichi Minehata**

University of Bradford, U.K.

Kenneth A. OyeMassachusetts Institute of
Technology**Megan J. Palmer**Stanford University; National
Science Foundation Synthetic
Biology Engineering Research Center

Project Meetings and Workshops, *continued*

Brian Rappert

University of Exeter, U.K.

William Reinsch

National Foreign Trade Council

David Relman

Stanford University;
VA Palo Alto Health Care System

Judith V. Reppy

Cornell University

Robert Rosner

University of Chicago

Scott D. Sagan

Stanford University

Reynolds M. Salerno

Sandia National Laboratories

Thomas Tierney IV

Los Alamos National Laboratory;
U.S. Department of Commerce

Carrie Wolinetz

Association of American
Universities; Georgetown University

Edward H. You

Federal Bureau of Investigation

Kimberly J. Durniak

American Academy of Arts and
Sciences

Nathan Yozwiak

American Academy of Arts and
Sciences

Learning from Fukushima: Improving Nuclear Safety and Security after Accidents

June 26 – 28, 2013

Hiroshima, Japan

Participants

Itty Abraham

University of Texas at Austin

Mohit Abraham

PXV Partners

Nobumasa Akiyama

Graduate School of International
Law, Hitotsubashi University; Center
for the Promotion of Disarmament
and Non-Proliferation, Japan
Institute of International Affairs

Edward Blandford

University of New Mexico

Francesca Giovannini

Stanford University

Toshihiro Higuchi

University of Wisconsin-Madison

Reed Jobs

Stanford University

Kenji Kushida

Walter H. Shorenstein Asia-Pacific
Research Center

Phillip Lipsky

Stanford University

Michael May

Stanford University

Steven E. Miller

Harvard University

Noramly bin Muslim

University of Malaysia

Tanya Ogilvie-White

Australian Strategic Policy Institute

Reid Pauly

Stanford University

Thitinan Pongsudhirak

Chulalongkorn University

Robert Rosner

University of Chicago

Scott D. Sagan

Stanford University

Tatsujiro Suzuki

Japan Atomic Energy Commission

Laurence Williams

University of Central Lancashire

Dinna Wisnu

Paramadina University

Gregory Wyss

Sandia National Laboratories

John Randell

American Academy of Arts and
Sciences

THE ALTERNATIVE ENERGY FUTURE

Integrating Social and Behavioral Energy Research Activities

November 29 – 30, 2012

Washington, D.C.

Participants

Clinton Andrews

Rutgers University

Douglas Arent

National Renewable Energy
Laboratory

Inês Azevedo

Carnegie Mellon University

Ruth Greenspan Bell

Woodrow Wilson International
Center for Scholars

Ann Carlson

UCLA School of Law

Adam Cohen

U.S. Department of Energy

Thomas Dietz

Michigan State University

Robert W. Fri

Resources for the Future

Kelly Sims Gallagher

Tufts University

Arkadi Gerney

Opower, Inc.

Myron Gutmann

National Science Foundation

Holmes Hummel

U.S. Department of Energy

Kathryn Jackson

Westinghouse Electric Corporation

Roger Kasperson

Clark University

Barbara Kates-Garnick

Massachusetts Executive Office of
Energy and Environmental Affairs

Nicholas Kirkhorn

Honeywell, Inc.

Alan Kraut

Association for Psychological Science

Meredith Lane

National Research Council

M. Granger Morgan

Carnegie Mellon University

Richard Newell

Duke University

Eva Owens

The Boeing Company

Craig Parks

Washington State University

Bonnie Ram

Ram Power, LLC; University of
Delaware

David Sandalow

U.S. Department of Energy

Linda Schuck

California Institute for Energy
and Environment

James L. Sweeney

Stanford University



Douglas Arent (National Renewable
Energy Laboratory)

Michael Vandenberg

Vanderbilt University

Maria Vargas

U.S. Department of Energy

Elke Weber

Columbia University

Susan J. Winter

National Science Foundation

Robert Winthrop

U.S. Department of the Interior

Roger Woodworth

Avista Corporation

Alison Fox

American Academy of Arts and
Sciences

John Randell

American Academy of Arts and
Sciences

Nathan Yozwiak

American Academy of Arts and
Sciences

Project Meetings and Workshops, *continued*

Establishing a Durable Governance Framework for Energy Policy

February 14 – 15, 2013

Cambridge, Massachusetts

Cochairs

Dallas Burtraw
Resources for the Future

Ann Carlson
UCLA School of Law

Robert W. Fri
Resources for the Future

Participants

Stephen Ansolabehere
Harvard University

Douglas Arent
National Renewable Energy
Laboratory

Jan Beyea
Consulting in the Public Interest

William Boyd
University of Colorado
Law School

Jody Freeman
Harvard University

Kelly Sims Gallagher
Tufts University

John D. Graham
Indiana University

Marilu Hastings
The Cynthia and George Mitchell
Foundation

Daniel M. Kammen
University of California, Berkeley

Nathaniel Keohane
Environmental Defense Fund;
New York University School of Law

Richard Lazarus
Harvard Law School

M. Granger Morgan
Carnegie Mellon University

Edward A. Parson
UCLA School of Law

Eric Patashnik
University of Virginia

Barry Rabe
University of Michigan

Richard L. Revesz
New York University School of Law

Maxine L. Savitz
Honeywell, Inc., ret.; National
Academy of Engineering

William M. Shobe
University of Virginia

Adele Smith Simmons
Chicago Metropolitan Strategies

Mitchell P. Smith
University of Oklahoma

Robert N. Stavins
Harvard Kennedy School

David A. Weisbach
University of Chicago; Argonne
National Laboratory

Elizabeth J. Wilson
University of Minnesota

John Randell
American Academy of Arts and
Sciences

Nathan Yozwiak
American Academy of Arts and
Sciences



Dallas Burtraw (Resources for the Future) and **Ann Carlson** (UCLA School of Law)



THE HUMANITIES, ARTS, AND EDUCATION

The Academy is collaborating with organizations across the country – colleges and universities, learned societies, libraries, state councils, museums, and government – to develop policy recommendations and resources that strengthen American education from kindergarten through graduate school. Current projects examine critical issues such as the financial education of American citizens and the importance of supporting public colleges and universities. The Academy’s ongoing initiative for the humanities includes the national, blue-ribbon Commission on the Humanities and Social Sciences and the Humanities Indicators data project. All of this work reaffirms the Academy’s underlying commitment to education as a prerequisite for a functioning democracy.

Oversight Committee

Rolena Adorno
Yale University

Robert M. Berdahl
formerly, Association of American Universities

Norman M. Bradburn
National Opinion Research Center; University of Chicago

Denis Donoghue
New York University

Gerald Early
Washington University in St. Louis

Carol Gluck
Columbia University

Anthony Grafton
Princeton University

Francis C. Oakley
Williams College

Carl H. Pforzheimer III
Carl H. Pforzheimer and Co. LLC

Patricia Meyer Spacks
University of Virginia

The Academy brings the insights of the humanities and social sciences to bear on all facets of public life – to promote a strong workforce, research enterprise, education system, and a thriving democracy.

The Commission on the Humanities and Social Sciences

The Academy established this Commission to claim a space in the public discourse for the humanities and social sciences. More information about the Commission, including publications, videos, press coverage, and updates, can be found at www.humanitiescommission.org.

In its recent report, *The Heart of the Matter: The Humanities and Social Sciences for a Vibrant, Competitive, and Secure Nation*, the Commission recommends specific steps that federal and state governments, schools and universities, cultural institutions, businesses, and philanthropies can take to support and strengthen the humanities and social sciences. The report emphasizes:

- The need to reiterate the significance of the humanities and social sciences along with STEM disciplines during debates about the future of American education;
- The role of broad-based education in creating a well-educated citizenry, including knowledgeable, analytical voters and jurors;
- The value of a foundation in the humanities and social sciences for American economic competitiveness, national security, and U.S. leadership across all fields;
- The critical importance of foreign language skills and cross-cultural understanding for a global and transnational future;
- The need for a strong knowledge of history to understand and adapt to a fast-changing world, and to contextualize one's own life and work;
- The importance of advancing research and embracing the humanities and social sciences for their intrinsic value; and
- The need to cast a wide net for allies, including supporters from the private sector and industry, in addition to existing stakeholders.



David Brooks (*The New York Times*)



Answering a bipartisan call from U.S. Senators Lamar Alexander (R-Tennessee) and Mark Warner (D-Virginia) and U.S. Representatives Tom Petri (R-Wisconsin) and David Price (D-North Carolina), the Academy created the Commission on the Humanities and Social Sciences to respond to the following question:

What are the top actions that Congress, state governments, universities, foundations, educators, individual benefactors, and others should take now to maintain national excellence in humanities and social scientific scholarship and education, and to achieve long-term national goals for our intellectual and economic well-being; for a stronger, more vibrant civil society; and for the success of cultural diplomacy in the 21st century?

MEMBERS OF THE COMMISSION ON THE HUMANITIES AND SOCIAL SCIENCES

Richard H. Brodhead, Cochair
President, Duke University

John W. Rowe, Cochair
*retired Chairman and Chief Executive Officer,
Exelon Corporation*

Danielle S. Allen
*Professor of Political Science,
Institute for Advanced Study*

Kwame Anthony Appiah
Professor of Philosophy, Princeton University

Norman R. Augustine
*retired Chairman and Chief Executive Officer,
Lockheed Martin Corporation*

Robert M. Berdahl
*former President, Association of American
Universities*

Leslie C. Berlowitz
American Academy of Arts and Sciences

Robert J. Birgeneau
*Chancellor Emeritus, University of
California, Berkeley*

Philip Bredezen, Jr.
former Governor of Tennessee

David Brooks
Journalist, The New York Times

Louise H. Bryson
Chair Emerita, J. Paul Getty Trust

Ken Burns
Director, Producer, Florentine Films

Tom Campbell
*Dean, Chapman University School of Law;
former U.S. Representative from California*

Francisco Cigarroa
Chancellor, University of Texas System

G. Wayne Clough
Secretary, Smithsonian Institution

James Cuno
*President and Chief Executive Officer,
J. Paul Getty Trust*

Gerald Early
*Professor of Modern Letters,
Washington University in St. Louis*

Karl W. Eikenberry
*former Ambassador to Afghanistan; retired
U.S. Army Lieutenant General; Fellow in
International Security, Stanford University*

Drew Gilpin Faust
President, Harvard University

Roger W. Ferguson, Jr.
*President and Chief Executive Officer,
TIAA-CREF*

Richard B. Freeman
Professor of Economics, Harvard University

Dana Gioia
*Professor of Poetry and Public Culture,
University of Southern California;
former Chairman, National Endowment
for the Arts*

Annette Gordon-Reed
*Professor of Law, Professor of History,
Professor at the Radcliffe Institute for
Advanced Study, Harvard University*

Anthony Grafton
Professor of History, Princeton University

Amy Gutmann
President, University of Pennsylvania

Emmylou Harris
Musician/Songwriter

Robert M. Hauser
*Executive Director, Division of Behavioral
and Social Sciences and Education,
National Research Council, National
Academy of Sciences*

F. Warren Hellman †
Cofounder, Hellman & Friedman LLC

John L. Hennessy
President, Stanford University

Jill A. Hornor
Director, Sound Postings, LLC

Kathleen Hall Jamieson
*Professor of Communication;
Director, Annenberg Public Policy Center,
University of Pennsylvania*

Rev. John I. Jenkins
President, University of Notre Dame

Steven Knapp
President, The George Washington University

John Lithgow
Actor

George Lucas
*Producer, Screenwriter, Director,
Skywalker Properties, Ltd.*

Yo-Yo Ma
Musician

Carolyn “Biddy” Martin
President, Amherst College

Anthony W. Marx
President, New York Public Library

James McNerney
*Chairman, President, and Chief Executive
Officer, Boeing Company*

Eduardo J. Padrón
President, Miami Dade College

Carl H. Pforzheimer III
Manager, Carl H. Pforzheimer and Co. LLC

Earl A. Powell III
Director, National Gallery of Art

Hunter R. Rawlings III
*President, Association of American
Universities*

John Sexton
President, New York University

Donna E. Shalala
*President, University of Miami; former U.S.
Secretary of Health and Human Services*

David J. Skorton
President, Cornell University

David Souter
*former Associate Justice, Supreme Court of
the United States*

Eric Sundquist
Professor of English, Johns Hopkins University

Billie Tsien
Architect, Tod Williams Billie Tsien Architects

Charles M. Vest
*President Emeritus, National Academy of
Engineering*

John E. Warnock
Chairman of the Board, Adobe Systems, Inc.

Diane P. Wood
*Federal Judge, United States Court of
Appeals for the Seventh Circuit*

Pauline Yu
*President, American Council of Learned
Societies*

Project Staff

John Tessitore

Peter Kardon

Hilary Dobel

† Deceased

The Commission on the Humanities and Social Sciences, *continued*

At a series of regional forums, the Academy gathered testimony about the role of the humanities and social sciences in contemporary American life. Each forum addressed a specific aspect of how these disciplines contribute to our government, education system, civic and cultural institutions, and personal well-being. The six forums were held across the nation:

- Cambridge, Massachusetts (on civics education and the importance of teaching history);
- Palo Alto, California (on the importance of the humanities and social sciences to international relations, national security, and global competitiveness);
- St. Louis, Missouri (on the importance of the humanities and social sciences in local communities);
- Miami, Florida (on the importance of the humanities in a multiethnic society);
- Durham, North Carolina (on how to bolster teaching and research in the humanities and social sciences);
- New York, New York (on the importance of libraries and advanced research in the humanities).

See pages 27 – 31 for a complete list of forum participants.



Commission member **John Lithgow** with the Savoy Players, who performed at the D.C. launch event for *The Heart of the Matter* in June 2013

Of the individuals in my organization who receive the most consistently positive feedback – who are most valued by our clients – only a sliver ever went to business school. Most of them learned their financial activities at our firm, but came into the firm with a much broader range of skills.

– Roger W. Ferguson, Jr., President and Chief Executive Officer, TIAA-CREF

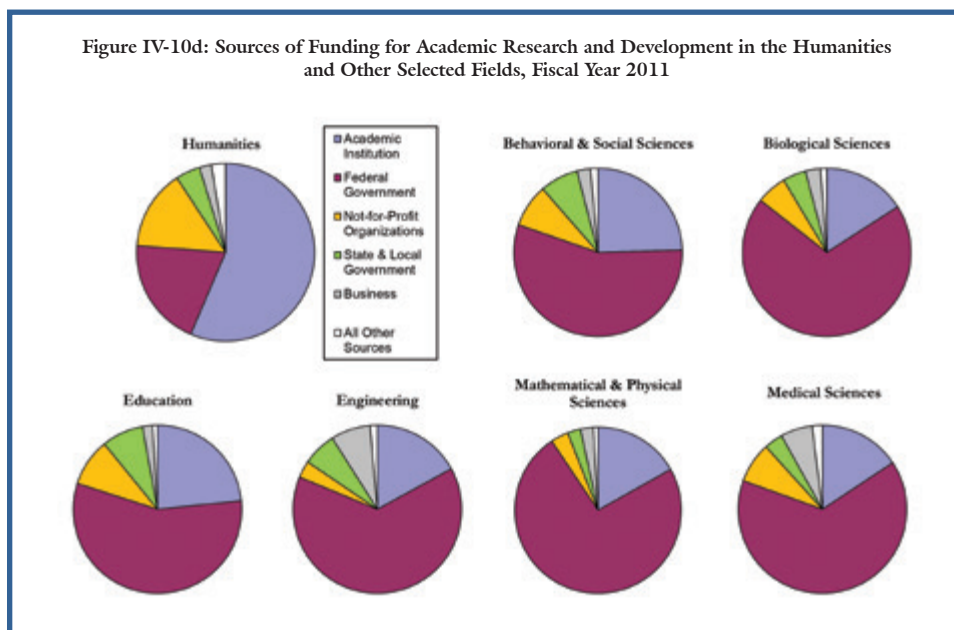
The Humanities Indicators

Organized in cooperation with a consortium of national humanities associations, the Humanities Indicators (www.humanitiesindicators.org) provide scholars, policy-makers, and the public with a comprehensive picture of the state of the humanities in the United States. The Indicators are continually updated as new data become available; they cover five main categories:

- Primary and secondary education;
- Undergraduate and graduate education;
- Humanities research and funding;
- The humanities workforce; and
- The humanities in American public life.

To supplement the Indicators, the Academy has established the Humanities Departmental Survey, which collects much-needed *original* data directly from more than 1,400 humanities departments at a variety of colleges and universities. The data provide important information about roughly one-third of the disciplines that form the core of a liberal arts education. The first data were collected in 2007–2008; a second round of the survey is now under way.

Since 2009, when the Department of Education’s National Center for Education Statistics discontinued its National Survey of Postsecondary Faculty (NSOPF), the Academy’s Departmental Survey has been the only national survey of faculty in the humanities.



A sample graph from the Humanities Indicators

Project Chair

Norman M. Bradburn
National Opinion Research Center;
University of Chicago

Advisory Group

Jonathan R. Cole
Columbia University

Denis Donoghue
New York University

Gerald Early
Washington University in St. Louis

Ronald G. Ehrenberg
Cornell University

Roger L. Geiger
Pennsylvania State University

Steven Marcus
Columbia University

Francis C. Oakley
Williams College

Patricia Meyer Spacks
University of Virginia

Judith Tanur
Stony Brook University

Jeff Thomas
National Endowment for the
Humanities

Michael Useem
University of Pennsylvania

H. Eric Wanner
Russell Sage Foundation

Pauline Yu
American Council of Learned
Societies

Project Staff

Carolyn Fuqua

John Hammer

Robert Townsend

Project Chair

Gerald Rosenfeld
Lazard Ltd.; New York University

Advisors

Annamaria Lusardi
The George Washington University
School of Business

Alicia H. Munnell
Boston College

David B. Peterson
Onera Media, Inc.; Tegriss Advisors

Steven A. Sass
Boston College

Project Staff

Samantha Carney

Financial Literacy and the Educated American

This project is examining the skills and knowledge that all Americans need to make sound financial decisions. It explores how to begin that education as early as possible, and how to sustain it throughout all life stages, from kindergarten to retirement.

Participants will advocate for a focus on financial literacy within liberal arts education, and will work to highlight financial capability as a core component of what it means to be a well-rounded, educated individual.

The recent *Financial Literacy and the Educated American* symposium, held at the Academy in March 2013, helped identify key questions that the project may address in future meetings and publications.



Symposium keynote speaker **Peter Tufano** (Saïd Business School, University of Oxford) with project advisor **Annamaria Lusardi** (The George Washington University School of Business)



Project chair **Gerald Rosenfeld** (Lazard Ltd.; New York University) with symposium keynote speaker **John W. Rogers, Jr.** (Ariel Investments, LLC)

- Nearly **50%** of Americans lack emergency savings or “rainy day” funds.
- A majority of people in the United States have not done any retirement planning.
- **60%** of recent survey respondents say they have never been offered any financial literacy education.

Source: FINRA National Financial Capabilities Study

The Lincoln Project: Excellence and Access in Public Higher Education

This project will develop new strategies to address the challenges facing public research universities. Although these institutions are key engines of economic growth, scientific research, and technological innovation, they are facing significant cutbacks in state support. The Lincoln Project will engage state and federal policy-makers, university and business leaders, philanthropists, and the broader public to highlight the critical role that these institutions play in our nation. Ultimately, the project will encourage the development of new federal, corporate, and philanthropic sources of support to sustain public higher education in every state.

The project is named for President Abraham Lincoln to commemorate his role in signing the Morrill Act of 1862, which laid the groundwork for the nation's unparalleled public university system.



Project cochair **Robert J. Birgeneau** (University of California, Berkeley) with **Robert D. Haas** (Levi Strauss & Co.)

- **75%** of the nation's college-going population is enrolled at public institutions.
- **34%** of students are the first in their families to attend college.
- **34%** of students at public four-year institutions receive federal Pell grants reserved for students whose families generally earn less than **\$45,000** per year.

Source: National Center for Education Statistics

Project Chairs

Robert J. Birgeneau
University of California, Berkeley

Mary Sue Coleman
University of Michigan

Advisors

Lawrence S. Bacow
Tufts University

Gene D. Block
University of California, Los Angeles;
APLU Board of Directors

Henry E. Brady
University of California, Berkeley

Philip Bredesen, Jr.
former Governor of Tennessee

Nancy Cantor
Syracuse University

John T. Casteen III
University of Virginia

Jonathan R. Cole
Columbia University

J. Patrick Doyle
Domino's

David B. Frohnmayer
University of Oregon

Matthew Goldstein
City University of New York

Donald Graham
Washington Post Company

Robert D. Haas
Levi Strauss & Co.

Michael Hout
New York University

Kay Bailey Hutchison
former U.S. Senator, Texas

Earl Lewis
The Andrew W. Mellon Foundation

William Powers, Jr.
University of Texas at Austin

Gerald Rosenfeld
Lazard Ltd.; New York University

Phyllis M. Wise
University of Illinois at Urbana-Champaign

Frank Yeary
CamberView Partners LLC; formerly,
University of California, Berkeley

Project Staff

Samantha Carney



Publications

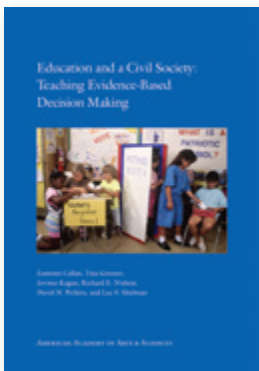
Humanities

- *The Heart of the Matter: The Humanities and Social Sciences for a Vibrant, Competitive, and Secure Nation* (American Academy of Arts and Sciences, 2013)
- “On the American Narrative,” *Dædalus*, edited by Denis Donoghue (MIT Press, 2012)
- “On Being Human,” *Dædalus*, edited by Steven Marcus, Jerome Kagan, Leslie Berlowitz, and Geoffrey Galt Harpham (MIT Press, 2009)
- “Reflecting on the Humanities,” *Dædalus*, edited by Patricia Meyer Spacks and Leslie Berlowitz (MIT Press, 2009)



Education

- *Science and the Educated American: A Core Component of Liberal Education*, edited by Jerrold Meinwald and John G. Hildebrand (American Academy of Arts and Sciences, 2010)
- *International Perspectives on the Goals of Universal Basic and Secondary Education*, edited by Joel E. Cohen and Martin B. Malin (Routledge, 2010)
- *Education and a Civil Society: Teaching Evidence-Based Decision Making* (American Academy of Arts and Sciences, 2009)
- *Educating All Children: A Global Agenda*, edited by Joel E. Cohen, David E. Bloom, and Martin B. Malin (MIT Press, 2007)



Regional Forums on the Humanities and Social Sciences

In partnership with institutions and individuals around the country, the Academy organized a series of regional forums as part of the ongoing work of the Commission on the Humanities and Social Sciences. The forums engaged a wide range of voices and provided Commission members with an on-the-ground view of the importance of the humanities to local, national, and international communities.

NEW ENGLAND FORUM

The Humanities and Civil Society

July 17, 2012

House of the Academy

Cambridge, Massachusetts

Participants

Tikaram Acharya

Bhutanese Community of
New Hampshire

Kip Bergstrom

Connecticut Department of
Economic Development

Leslie C. Berlowitz*

American Academy of Arts and
Sciences

Martin Blatt

Boston National Historical Park

Philip Bredezen, Jr.*

former Governor of Tennessee

Jack Cheng

Boston Clemente Course in the
Humanities

Elizabeth Duclos-Orsello

Salem State University

Richard B. Freeman*

Harvard University

Peter Gilbert

Vermont Humanities Council

Annette Gordon-Reed*

Harvard University

Loretta Grikis

Baystate Health

Gary S. Katzmann

Massachusetts Appeals Court

Max Latona

Saint Anselm College

Esther Mackintosh

Federation of State Humanities
Councils

Courtney Marshall

University of New Hampshire

Barry O'Connell

Amherst College

Stuart Parnes

Connecticut Humanities Council

S. Paul Reville

former Massachusetts Secretary of
Education

David Richards

Margaret Chase Smith Library

Alexandra Rollins

Rhode Island Council for the
Humanities



David Souter (Supreme Court of the
United States)

Lizz Sinclair

Maine Humanities Council

David Souter*

Supreme Court of the United States

David Tebaldi

Massachusetts Foundation for the
Humanities

Deborah Watrous

New Hampshire Humanities Council

David Watters

New Hampshire State Representative;
University of New Hampshire

Sally Whipple

Connecticut's Old State House
Museum

*Commission Member

Regional Forums on the Humanities and Social Sciences, *continued*

PALO ALTO FORUM

*International Relations, National Security,
and Global Competitiveness*

September 4, 2012
Stanford University

Participants

Stephen D. Bechtel, Jr.
Bechtel Group, Inc.; Fremont Group

Leslie C. Berlowitz*
American Academy of Arts and
Sciences

Russell Berman
Stanford University

John Bryson
Woodrow Wilson International
Center for Scholars; former U.S.
Secretary of Commerce

Louise H. Bryson*
J. Paul Getty Trust

Louis W. Cabot
Cabot-Wellington, LLC

Anthony Cascardi
University of California, Berkeley

Matthew Colford
Stanford University

Alan M. Dachs
Fremont Group

Steven A. Denning
Stanford University;
General Atlantic LLC

Karl W. Eikenberry*
Stanford University; former
U.S. Ambassador to Afghanistan;
retired U.S. Army Lieutenant General

Francis Fukuyama
Stanford University

Robert D. Haas
Levi Strauss & Co.

John L. Hennessy*
Stanford University

Walter B. Hewlett
William and Flora Hewlett
Foundation

David M. Kennedy
Stanford University

Ralph Lewin
Cal Humanities

Bob Peck
FPR Partners

William J. Perry
Stanford University;
former U.S. Secretary of Defense

Condoleezza Rice
Stanford University;
former U.S. Secretary of State

Scott D. Sagan
Stanford University

Richard Saller
Stanford University

Debra Satz
Stanford University



Condoleezza Rice (Stanford University;
former U.S. Secretary of State)

James Sheehan
Stanford University

George P. Shultz
Stanford University;
former U.S. Secretary of State

William Treseder
U.S. Marine Corps Sergeant;
Stanford University

Joel B. Vowell
U.S. Army Lieutenant Colonel

Wen-hsin Yeh
University of California, Berkeley

*Commission Member

ST. LOUIS FORUM

The Importance of the Humanities and Social Sciences in Local Communities

September 7, 2012

Missouri History Museum

Participants

Lesley Barker

The Bolduc House Museum

Leslie C. Berlowitz *

American Academy of Arts and Sciences

Priscilla Block

St. Louis ArtWorks

Gene Dobbs Bradford

Jazz St. Louis

Lois Conley

The Griot Museum of Black History

Anna Crosslin

International Institute

Gerald Early *

Washington University in St. Louis

Geoff Giglierano

Missouri Humanities Council

Jessica Hentoff

Circus Harmony

Marilu KnodeLaumeier Sculpture Park;
University of Missouri, St. Louis**Waller McGuire**

St. Louis Public Library

Boo McLoughlin

Craft Alliance

Timothy O'Leary

Opera Theatre of Saint Louis

Aldemaro Romero, Jr.Southern Illinois University
Edwardsville**Diane Toulitos**

University of Missouri, St. Louis

Glenna Wallace

Eastern Shawnee Tribe of Oklahoma

David Carl Wilson

Webster University

MIAMI FORUM

The Humanities and Multicultural America

September 14, 2012

Miami Dade College, Wolfson Campus

Participants

Leslie C. Berlowitz *

American Academy of Arts and Sciences

Philip Bredezen, Jr. *

former Governor of Tennessee

Gloria Estefan

Singer, Songwriter, Actress, and Entrepreneur

Matt HaggmanJohn S. and James L. Knight
Foundation**Ann Henderson**

Collins Center for Public Policy

Mitchell Kaplan

Books & Books

Cathy LeffWolfsonian – Florida International
University**Faith Mesnekoff**

HistoryMiami

Eduardo J. Padrón *

Miami Dade College



Gloria Estefan (Singer, Songwriter, Actress, and Entrepreneur) and **Eduardo J. Padrón** (Miami Dade College)

*Commission Member

Regional Forums on the Humanities and Social Sciences, *continued*

Arva Moore Parks
Coral Gables Museum

Raul Rodriguez
Rodriguez and Quiroga Architects

Donna Shalala *
University of Miami; former U.S.
Secretary of Health and Human
Services

David J. Skorton *
Cornell University

Javier Alberto Soto
The Miami Foundation

Michael Spring
Miami-Dade County Department
of Cultural Affairs

Mihoko Suzuki
University of Miami

DURHAM FORUM

The Humanities and the Education Continuum

October 26, 2012
Doris Duke Center
Duke University

Participants

Shana Adams
Durham Arts Council

William L. Andrews
University of North Carolina,
Chapel Hill

Joseph Bathanti
Appalachian State University;
Poet Laureate of North Carolina

Ian Baucom
Duke University

Charles L. Becton
North Carolina Central University

Jeffrey Braden
North Carolina State University

Cynthia Brodhead
North Carolina Humanities Council

Richard H. Brodhead *
Duke University;
Commission Cochair

Cathy Davidson
Duke University



James B. Hunt, Jr. (former Governor of North Carolina) and **Richard H. Brodhead** (Duke University; Commission Cochair)

Eve Duffy
University of North Carolina,
Chapel Hill

William R. Ferris
University of North Carolina,
Chapel Hill

Benjamin Filene
University of North Carolina,
Greensboro

Deirdre Haj
Full Frame Documentary Film
Festival

Geoffrey Harpham
National Humanities Center

James B. Hunt, Jr.
former Governor of North Carolina

Julie Joslin
North Carolina Department of Public
Instruction

Jason Jowers
Hillside High School, Durham

Tracy Mancini
Durham Technical College

Christie Hinson Norris
University of North Carolina,
Chapel Hill

Judith Rizzo
James B. Hunt Jr. Institute for
Educational Leadership and Policy

Todd Roberts
North Carolina School of Science
and Mathematics

*Commission Member

Sandra C. Rusak
North Carolina Museum of Art

Richard Schramm
National Humanities Center

Lawrence J. Wheeler
North Carolina Museum of Art

Erin White
Smith Middle School, Chapel Hill

Lynn Wright-Kernodle
North Carolina Humanities Council

NEW YORK FORUM

Advanced Research

November 7, 2012
Stephen A. Schwarzman Building
The New York Public Library

Participants

David Auburn
Playwright

Leslie C. Berlowitz*
American Academy of Arts and
Sciences

David Blight
Yale University; Gilder Lehrman
Center for the Study of Slavery,
Resistance and Abolition

Jonathan Galassi
Farrar, Straus & Giroux

Oscar Hijuelos
Novelist

Matthew Knutzen
The New York Public Library

Philip E. Lewis
The Andrew W. Mellon Foundation

Anthony Marx*
The New York Public Library

Khalil Gibran Muhammad
The New York Public Library

Sara Ogger
The New York Council for the
Humanities

Carl H. Pforzheimer III*
Carl H. Pforzheimer and Co. LLC

Lauren Redniss
Artist and Author

Annabelle Selldorf
Architect

Jean Strouse
Biographer; The New York Public
Library

Colm Tóibín
Novelist, Essayist, and Poet;
Columbia University

Mariët Westermann
The Andrew W. Mellon Foundation

Pauline Yu*
American Council of Learned
Societies

*Commission Member

*Stewarding America
Project Advisors*

Kwame Anthony Appiah
Princeton University

Stephen D. Bechtel, Jr.
*Bechtel Group, Inc. ;
Fremont Group*

Lauren Dachs
S. D. Bechtel, Jr. Foundation

Gerald Early
Washington University in St. Louis

Ralph Gomory
New York University

John L. Hennessy
Stanford University

Kathleen Hall Jamieson
University of Pennsylvania

David M. Kennedy
Stanford University

Norman J. Ornstein
*American Enterprise Institute for
Public Policy Research*

Jeffrey Rosen
*National Constitution Center ;
The George Washington University*

Michael Schudson
Columbia School of Journalism

George P. Shultz
Stanford University

David Souter
Supreme Court of the United States

Andy Stern
Columbia University

Richard Sylla
New York University

Diane P. Wood
*United States Court of Appeals for the
Seventh Circuit*

Project Staff

John Tessitore



AMERICAN INSTITUTIONS AND THE PUBLIC GOOD

Projects in this program area are designed to advance the state of scholarship about our democracy and to develop innovative solutions to critical social problems. Current activities focus on the role of American institutions in fostering good citizenship and a civil society; other recent projects studied challenges to business in the twenty-first century, the problem of mass incarceration in the United States, and the question of judicial independence, among other topics.

The current project, *Stewarding America*, is examining the civic institutions that are critical for modeling good citizenship. Institutions such as the government, the courts, the media, the military, corporations, unions, the nonprofit sector, and the education system are held in public trust. They provide a continuity of law and procedure, of practice and participation, and of information and knowledge from one generation to the next. The project is evaluating the role civic institutions play in the American democratic system – assessing their strengths and weaknesses as stewards and how they interact to preserve civil society. The goal is to better understand how to restore public interest in compromise, cooperation, and self-sacrifice: the basic tenets of good citizenship.

Publications

A key component of the Stewarding America project is the Spring 2013 issue of *Dædalus*, “American Democracy & the Common Good.” Guest edited by Academy Fellows **Norman Ornstein** (American Enterprise Institute for Public Policy Research) and **William Galston** (Brookings Institution), the issue analyzes the institutions that shape public life in America and the practices that lead to better stewardship of our democracy. Essays in the issue include:

*The Common Good: Theoretical Content,
Practical Utility*
by **William A. Galston**

*Finding the Common Good in an Era of
Dysfunctional Governance*
by **Thomas E. Mann & Norman J. Ornstein**

*Can the Judicial Branch be a Steward in a
Polarized Democracy?*
by **Jeffrey Rosen**

The Supreme Court in the 21st Century
by **Geoffrey R. Stone**

*The Origins & Lessons of Public Confidence
in the Military*
by **Andrew A. Hill, Leonard Wong &
Stephen J. Gerras**

The Challenges Facing Civic Education
by **Kathleen Hall Jamieson**

The Case for Transcending Partisanship
by **Mickey Edwards**

*Citizens United: Robbing America of Its
Democratic Idealism*
by **Jim Leach**



The American Corporation
by **Ralph Gomory & Richard Sylla**

*Unions & Civic Engagement: How the Assault on Labor
Endangers Civil Society*
by **Andy Stern**

Philanthropy & the Nonprofit Sector
by **Peter Dobkin Hall**

Reluctant Stewards: Journalism in a Democratic Society
by **Michael Schudson**

The Argument Culture
by **Deborah Tannen**

Compromise & the Common Good
by **Amy Gutmann & Dennis Thompson**

Reestablishing the Commons for the Common Good
by **Howard Gardner**

The Democratic Spirit
by **Kwame Anthony Appiah**

Other recent issues of *Dædalus* have grown out of Academy projects that examined American institutions and challenges facing the nation. Topics include U.S. immigration policy, the modern American military, race in the 21st century, challenges to business and economic policy, the problem of mass incarceration in the United States, the future of news media, and the independence of the judiciary.

*Visiting Scholars
Advisory Committee*

Mary Maples Dunn, *Cochair*
American Philosophical Society

Patricia Meyer Spacks, *Cochair*
University of Virginia

Steven Biel
Harvard University

Colin Dayan
Vanderbilt University

Robert Giles
GlobalPost

Nathan Glazer
Harvard University

John Mark Hansen
University of Chicago

Merritt Roe Smith
Massachusetts Institute of Technology

John Stauffer
Harvard University

James Stimson
*University of North Carolina at
Chapel Hill*

Alan Trachtenberg
Yale University

Sidney Verba
Harvard University

Hellman Review Board

John A. Katzenellenbogen, *Chair*
*University of Illinois at Urbana-
Champaign*

Susan L. Graham
University of California, Berkeley

Brigid Hogan
Duke University

Richard A. Meserve
Carnegie Institution for Science

Robert Nerem
Georgia Institute of Technology

FELLOWSHIP PROGRAMS

The Visiting Scholars Program

This interdisciplinary fellowship program, housed at the Academy headquarters in Cambridge, Massachusetts, is open to untenured junior faculty or post-doctoral researchers. The scholars use their fellowship year to transform a dissertation into a book, prepare journal articles, or begin a second project.

Spending a year in close association with peers working in different academic disciplines, the scholars learn to see themselves as members of a wider academic community. In an era of increasing academic specialization, they are able to develop a broader view during their time at the Academy.

Scholars are invited to interact with Fellows of the Academy and to learn from guest speakers, senior scholars, and publishing experts. They become knowledgeable about aspects of their profession that they rarely encounter in graduate school; they prepare themselves for leadership.

The Hellman Fellowship in Science and Technology Policy

The Hellman Fellowship complements the Visiting Scholars Program. Open to early-career professionals with doctorates in science and engineering, this fellowship program provides training and work experience for individuals interested in transitioning to a career in science policy. While in residence, Hellman Fellows work with senior scientists and policy experts on critical national and international policy issues related to science, engineering, and technology. Hellman Fellows also work on one or more Academy projects in the area of science, technology, and global security.

- Past Visiting Scholars have published more than **100 books** and now teach at **55 colleges and universities**.
- Hellman Fellows have worked on more than **10 Academy projects** over the last five years; all past Fellows are now **employed in science policy or administration**.

UNIVERSITY AFFILIATES

The University Affiliates is a partnership between the Academy and the nation's leading institutions of higher education. Fifty-nine colleges and universities collaborate with the Academy by participating in its projects on higher education and by helping support its fellowship programs. Together they share a commitment to the future vitality of higher education, the value of research, and the importance of mentoring young scholars.



AMERICAN UNIVERSITY
Cornelius Kerwin, *President*



CORNELL UNIVERSITY
David J. Skorton, *President*



MASSACHUSETTS INSTITUTE OF TECHNOLOGY
L. Rafael Reif, *President*



AMHERST COLLEGE
Carolyn A. "Bidly" Martin, *President*



DARTMOUTH COLLEGE
Philip J. Hanlon, *President*



MICHIGAN STATE UNIVERSITY
Lou Anna K. Simon, *President*



BOSTON COLLEGE
William P. Leahy, S.J., *President*



DUKE UNIVERSITY
Richard H. Brodhead, *President*



NEW YORK UNIVERSITY
John Sexton, *President*



BOSTON UNIVERSITY
Robert A. Brown, *President*



EMORY UNIVERSITY
James W. Wagner, *President*



NORTHEASTERN UNIVERSITY
Joseph Aoun, *President*



BOWDOIN COLLEGE
Barry Mills, *President*



GEORGE WASHINGTON UNIVERSITY
Steven Knapp, *President*



NORTHWESTERN UNIVERSITY
Morton O. Schapiro, *President*



BRANDEIS UNIVERSITY
Frederick M. Lawrence, *President*



GEORGETOWN UNIVERSITY
John J. DeGioia, *President*



OHIO STATE UNIVERSITY
Joseph Alutto, *President (Interim)*



BROWN UNIVERSITY
Christina Hull Paxson, *President*



HARVARD UNIVERSITY
Drew Gilpin Faust, *President*



PENNSYLVANIA STATE UNIVERSITY
Rodney A. Erickson, *President*



THE CITY UNIVERSITY OF NEW YORK
William P. Kelly, *Chancellor (Interim)*



INDIANA UNIVERSITY
Michael A. McRobbie, *President*



POMONA COLLEGE
David W. Oxtoby, *President*



COLUMBIA UNIVERSITY
Lee C. Bollinger, *President*



JOHNS HOPKINS UNIVERSITY
Ronald J. Daniels, *President*



PRINCETON UNIVERSITY
Christopher L. Eisgruber, *President*



RICE UNIVERSITY
David W. Leebron, *President*



**UNIVERSITY OF CALIFORNIA,
SAN FRANCISCO**
Susan Desmond-Hellmann,
Chancellor



UNIVERSITY OF PITTSBURGH
Mark A. Nordenberg,
Chancellor



**RUTGERS, THE STATE
UNIVERSITY OF NEW JERSEY**
Robert L. Barchi, *President*



UNIVERSITY OF CHICAGO
Robert J. Zimmer, *President*



**UNIVERSITY OF SOUTHERN
CALIFORNIA**
C. L. Max Nikias, *President*



SMITH COLLEGE
Kathleen McCartney,
President



**UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN**
Phyllis Wise, *Chancellor*



**UNIVERSITY OF TEXAS
AT AUSTIN**
William Powers Jr., *President*



STANFORD UNIVERSITY
John L. Hennessy, *President*



UNIVERSITY OF IOWA
Sally Mason, *President*



UNIVERSITY OF VIRGINIA
Teresa A. Sullivan, *President*



SYRACUSE UNIVERSITY
Nancy Cantor, *Chancellor
and President*



UNIVERSITY OF MARYLAND
Wallace D. Loh, *President*



**UNIVERSITY OF
WISCONSIN-MADISON**
Rebecca M. Blank, *Chancellor*



TUFTS UNIVERSITY
Anthony P. Monaco,
President



UNIVERSITY OF MIAMI
Donna E. Shalala, *President*



**VIRGINIA POLYTECHNIC
INSTITUTE AND
STATE UNIVERSITY**
Charles W. Steger, *President*



**UNIVERSITY OF CALIFORNIA,
BERKELEY**
Nicholas B. Dirks,
Chancellor



UNIVERSITY OF MICHIGAN
Mary Sue Coleman, *President*



**WASHINGTON UNIVERSITY
IN ST. LOUIS**
Mark S. Wrighton, *Chancellor*



**UNIVERSITY OF CALIFORNIA,
DAVIS**
Linda P. B. Katehi, *Chancellor*



UNIVERSITY OF MINNESOTA
Eric W. Kaler, *President*



WELLESLEY COLLEGE
H. Kim Bottomly, *President*



**UNIVERSITY OF CALIFORNIA,
IRVINE**
Michael V. Drake, *Chancellor*



**UNIVERSITY OF NORTH
CAROLINA AT CHAPEL HILL**
Carol L. Folt, *Chancellor*



WESLEYAN UNIVERSITY
Michael S. Roth, *President*



**UNIVERSITY OF CALIFORNIA,
LOS ANGELES**
Gene D. Block, *Chancellor*



UNIVERSITY OF NOTRE DAME
Rev. John I. Jenkins, C.S.C.,
President



YALE UNIVERSITY
Peter Salovey, *President*



**UNIVERSITY OF CALIFORNIA,
SAN DIEGO**
Pradeep Khosla, *Chancellor*



UNIVERSITY OF PENNSYLVANIA
Amy Gutmann, *President*

MEETINGS AND EVENTS AROUND THE COUNTRY

Academy projects, as well as the research and writings of Academy members, are the focus of a series of meetings held across the country each year. The House of the Academy, university campuses, research institutes, museums, and corporate headquarters serve as venues for these meetings. As a national organization, the Academy sponsors formal lectures, panel discussions, and informal gatherings that highlight topics ranging from challenges facing higher education, to the state of the humanities and social sciences, to American institutions and the public good, to the future of energy.

LA JOLLA, CALIFORNIA

January 25, 2013
University of California, San Diego
CALIT2

Cyber-Archaeology and World Cultural Heritage: Insights from the Holy Land

Speakers: Pradeep K. Khosla, University of California, San Diego; Gordon N. Gill, University of California, San Diego School of Medicine; Charles S. Stanish, University of California, Los Angeles; Thomas Levy, University of California, San Diego

BERKELEY, CALIFORNIA

January 28, 2013
University of California, Berkeley

The Benefit of Public Investment in Higher Education: California and Beyond

Speakers: Robert D. Haas, Levi Strauss & Co.; Robert J. Birgeneau, University of California, Berkeley; Mary Sue Coleman, University of Michigan; Henry E. Brady, University of California, Berkeley

SAN FRANCISCO, CALIFORNIA

May 21, 2013
The Mandarin Oriental Hotel

A Reception in Honor of Newly Elected Bay Area Fellows

Speakers: Alan M. Dachs, Fremont Group; Robert J. Birgeneau, University of California, Berkeley; Jesse H. Choper, UC Berkeley School of Law; Keith Yamamoto, University of California, San Francisco

CHICAGO, ILLINOIS

November 1, 2012

University of Chicago

in partnership with The Royal Society

*The Future of Energy,
second lecture in a series on GREAT Science*

Speakers: Robert Fefferman, University of Chicago; Robert Rosner, University of Chicago; Peter Littlewood, Argonne National Laboratory and University of Chicago

November 3, 2012

Northwestern University School of Law

in collaboration with the Chicago Humanities Festival

On the Common Good

Speakers: Geoffrey R. Stone, University of Chicago Law School; Diane P. Wood, U.S. Court of Appeals for the Seventh Circuit; Mickey Edwards, Aspen Institute

WASHINGTON, D.C.

March 18, 2013

Cosmos Club

A Reception for Academy Fellows

Speakers: Steven Knapp, The George Washington University; Richard A. Meserve, Carnegie Institution for Science; Norman J. Ornstein, American Enterprise Institute for Public Policy Research; William A. Galston, Brookings Institution; Robert W. Fri, Resources for the Future

June 19, 2013

Capitol Visitor Center

Reception and Program on “The Heart of the Matter”

Speakers: John W. Rowe, Exelon Corporation; Richard H. Brodhead, Duke University; Lamar Alexander, U.S. Senate; Mark R. Warner, U.S. Senate; Tom Petri, U.S. House of Representatives; David Price, U.S. House of Representatives; David Brooks, *The New York Times*; Pauline Yu, American Council of Learned Societies; Karl W. Eikenberry, Stanford University; John Lithgow, Los Angeles, California



Charles S. Stanish (University of California, Los Angeles), **Thomas Levy** (University of California, San Diego), and **Gordon N. Gill** (University of California, San Diego School of Medicine)



Geoffrey R. Stone (University of Chicago Law School), **Diane P. Wood** (U.S. Court of Appeals for the Seventh Circuit), and **Mickey Edwards** (Aspen Institute)



front: **James Cuno** (J. Paul Getty Trust), **Earl A. Powell III** (National Gallery of Art), **John W. Rowe** (Exelon Corporation), **Richard H. Brodhead** (Duke University), **Annette Gordon-Reed** (Harvard University), **Pauline Yu** (American Council of Learned Societies), **Louise H. Bryson** (J. Paul Getty Trust), **Kathleen Hall Jamieson** (University of Pennsylvania); *back:* **John Lithgow** (Los Angeles, California), **Robert M. Berdahl** (Association of American Universities), **Karl W. Eikenberry** (Stanford University), **Eric Sundquist** (Johns Hopkins University), and **Philip Bredesen** (Nashville, Tennessee)



Robert D. Haas (Levi Strauss & Co.), **Mary Sue Coleman** (University of Michigan), **Henry E. Brady** (University of California, Berkeley), and **Robert J. Birgeneau** (University of California, Berkeley)



NEW YORK CITY

May 9, 2013
New York City

A Reception in Honor of New York Area Fellows

Speakers: **Louis W. Cabot**, Cabot-Wellington, LLC; **Annette Gordon-Reed**, Harvard University; **Richard Sylla**, New York University Stern School of Business

CAMBRIDGE, MASSACHUSETTS

October 5, 2012
Harvard University

A Celebration of the Arts and Humanities

Featured Speakers and Performers: **Thomas Mallon**, The George Washington University; **Gerald Stern**, Drew University; **Daniel Mendelsohn**, New York, New York; **Christopher Wheeldon**, London, United Kingdom; **Scott Russell Sanders**, Indiana University; **Rachel Hadas**, Rutgers, The State University of New Jersey; **Sven Birkerts**, Bennington College; **Christopher Benfey**, Mount Holyoke College; **Jerry Pinkney**, Jerry Pinkney Studio; **Denis Donoghue**, New York University; **Yehudi Wyner**, Brandeis University; **Richard Stoltzman**, New England Conservatory of Music

October 6, 2012
Harvard University

Induction Ceremony

Featured Speakers and Performers: **Daniel Day-Lewis**, New York, New York; **Tom Leighton**, Akamai Technologies and Massachusetts Institute of Technology; **Bonnie Berger**, Massachusetts Institute of Technology; **Steven H. Strogatz**, Cornell University; **Margaret J. McFall-Ngai**, University of Wisconsin-Madison; **Maureen E. Mahoney**, Latham & Watkins; **David Blight**, Yale University; **Penny Pritzker**, U.S. Department of Commerce, PSP Capital Partners and Pritzker Realty Group; **Thomas Hampson**, Hampsong Foundation

October 7, 2012
House of the Academy

Stewarding Democracy: American Institutions and the Public Good

Speakers: **Jim Leach**, formerly, National Endowment for the Humanities; **Norman J. Ornstein**, American Enterprise Institute for Public Policy Research; **Diane P. Wood**, U.S. Court of Appeals for the Seventh Circuit; **Karl W. Eikenberry**, Stanford University and former U.S. Ambassador to Afghanistan; **Philip Bredesen**, former Governor of Tennessee; **Martin Baron**, *The Washington Post*, formerly, *The Boston Globe*; **Judy Woodruff**, *PBS NewsHour*; **Alex S. Jones**, Harvard Kennedy School



Daniel Mendelsohn
(New York, New York)



Jerry Pinkney
(Jerry Pinkney Studio)



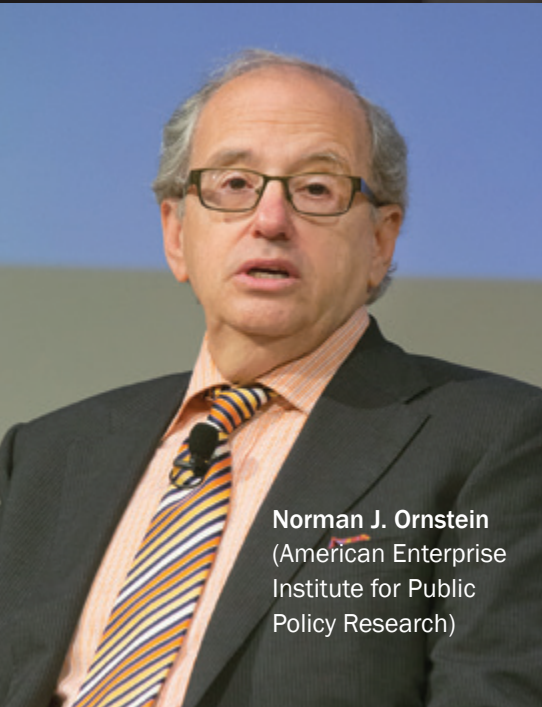
Daniel Day-Lewis
(New York, New York)



Penny Pritzker (U.S. Department of Commerce; PSP Capital Partners and Pritzker Realty Group), **Margaret J. McFall-Ngai** (University of Wisconsin-Madison), **Steven H. Strogatz** (Cornell University), **Maureen E. Mahoney** (Latham & Watkins), and **David Blight** (Yale University)



Karl W. Eikenberry
(Stanford University)



Norman J. Ornstein
(American Enterprise Institute for Public Policy Research)



Thomas Hampson
(Hampson Foundation)



Frank Wilczek
(Massachusetts Institute of Technology)

CAMBRIDGE, MASSACHUSETTS

November 8, 2012

House of the Academy

The Modern Concept of Matter

Speakers: Jerome Friedman, Massachusetts Institute of Technology;
Frank Wilczek, Massachusetts Institute of Technology

December 13, 2012

House of the Academy

The Emergence of a Masterpiece: Beethoven's Cello Sonata in A major, Op. 69

Speakers and Performers: Lewis Lockwood, Harvard University and Boston University; The Fischer Duo – Norman Fischer, *cello*; Jeanne Kierman, *piano*

February 13, 2013

House of the Academy

Operation Epsilon

Speakers: Debra Wise, Underground Railway Theater and Catalyst Collaborative@MIT; Alan Brody, Massachusetts Institute of Technology; David Kaiser, Massachusetts Institute of Technology; Staged Reading of *Operation Epsilon* by members of the Catalyst Collaborative@MIT

March 13, 2013

House of the Academy

The Arab Spring: What Next?

Speakers: Philip S. Khoury, Massachusetts Institute of Technology; Malika Zeghal, Harvard University; Tarek Masoud, Harvard Kennedy School; E. Roger Owen, Harvard University

April 18, 2013

House of the Academy

The Third Wave of Immigration

Speakers: Mary C. Waters, Harvard University; Douglas S. Massey, Princeton University; Jorge Castañeda, New York University

May 8, 2013

House of the Academy

On Energy

Speakers: Richard A. Meserve, Carnegie Institution for Science; Steven Chu, Stanford University; formerly, U.S. Department of Energy



Richard A. Meserve
(Carnegie Institution
for Science)



The Fischer Duo (Norman Fischer, *cello*;
Jeanne Kierman, *piano*)



Mary C. Waters (Harvard University),
Douglas S. Massey (Princeton
University), and **Jorge Castañeda**
(New York University)



Lewis Lockwood
(Harvard University,
Boston University)



Steven Chu (Stanford
University; formerly, U.S.
Department of Energy)

American Academy of Arts & Sciences

Cherishing Knowledge • Shaping the Future

The American Academy of Arts & Sciences was founded during the American Revolution by John Adams, James Bowdoin, John Hancock, and other prominent “scholar-patriots” who contributed to the establishment of the new nation, its government, and its Constitution. The Academy was created to provide a forum for leading scholars, members of the learned professions, and leaders in government and business to work together on behalf of the democratic interests of the republic.

Today, the Academy’s work is marked by this collaboration between the academic, business, and government sectors. The Academy is an international learned society that brings together men and women of exceptional achievement, from every field and profession, to anticipate, examine, and confront the critical issues facing our global society.

Back Cover Photos:

Third row (left to right): Neal Lane (Rice University);
Billie Tsien (Tod Williams Billie Tsien Architects)

Fourth row: Robert J. Birgeneau (University of California, Berkeley)

Fifth row (left to right): Diane P. Wood (U.S. Court of Appeals for the Seventh Circuit);
Roger W. Ferguson, Jr. (TIAA-CREF)

Sixth row: Venkatesh Narayanamurti (Harvard University)

Seventh row: Norman J. Ornstein (American Enterprise Institute for Public Policy Research)

Eighth row: Kwame Anthony Appiah (Princeton University)

American Academy of Arts & Sciences

136 Irving Street

Cambridge, MA 02138

telephone: 617-576-5000; facsimile: 617-576-5050

email: aaas@amacad.org; website: www.amacad.org

