

Bulletin of the American Academy of Arts & Sciences

AMERICAN INSTITUTIONS,
SOCIETY, AND THE PUBLIC GOOD

EDUCATION AND THE
DEVELOPMENT OF KNOWLEDGE

GLOBAL SECURITY AND
INTERNATIONAL AFFAIRS

THE HUMANITIES,
ARTS, AND CULTURE

SCIENCE, ENGINEERING,
AND TECHNOLOGY



2022

ANNUAL REPORT

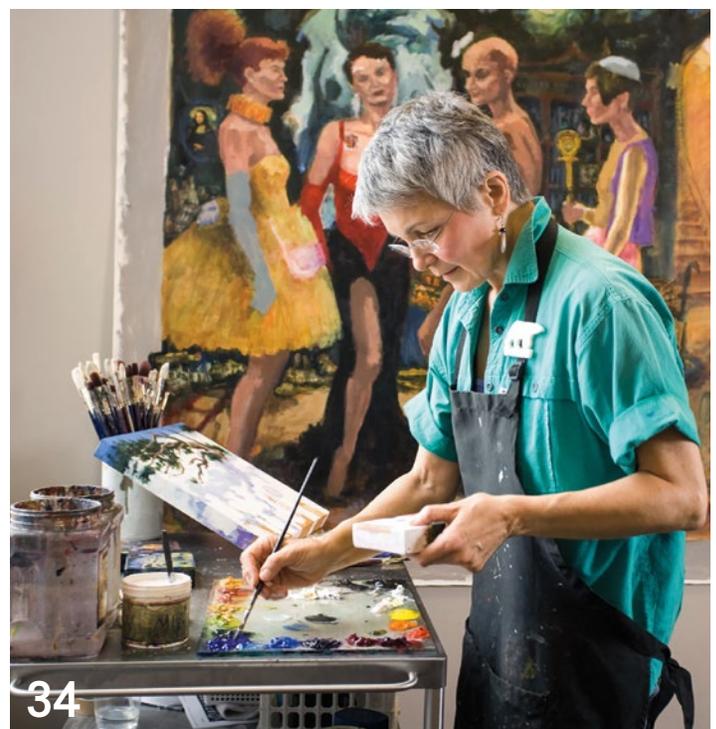
The background of the page is a large, light blue watermark of the seal of the University of Florence. The seal features a central figure of Liberty holding a torch and a shield, with a sun in the upper right and a cityscape in the lower left. The Latin motto "LIBERTAS SUB LIBERTATE FLORENTIA" is inscribed around the top, and "MDCCLXXX" is at the bottom.

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Bulletin
of the American Academy of Arts & Sciences

2022
ANNUAL REPORT



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Report of the Chair of the Board of Directors

NANCY C. ANDREWS

This was a year of reemergence and celebration for the American Academy of Arts and Sciences. Our building reopened for staff and events. We held a joyous Induction Weekend in September, making up for two years of cancellations due to the pandemic. And we finished a very successful capital campaign through the hard work of President David Oxtoby, campaign cochairs Louise Bryson and David Rubenstein, and Chief Advancement Officer Ginger Saariaho, exceeding our \$100 million target. We are deeply grateful to them and to the members and friends who gave generously to support our work.

Just prior to our Induction Weekend we dedicated a new wing of the House of the Academy, named for its benefactor, David M. Rubenstein. The Rubenstein Wing houses the Academy's Archives in a beautiful space that is more hospitable to old documents and researchers than the previous location in the basement. The Archives hold artifacts and records that date to our founding. In the tradition of advancing "useful knowledge," the earliest contributions include prototypes of American inventions and handwritten reports on "Promoting Agriculture/Branches of Husbandry" (1785–1792), examining "Mr. Dearborn's Scale for Weighing Gold" (1801), considering a "Description of Patented Improvements in Chimneys" (1809–1810), and investigating "The Alleged Discoveries of Dr. Buchanan" (1843), an American physician who founded the "science" of soul-measuring.

Among other landmark events, the Archives document visits by Alexander Graham Bell in 1876 to give the first public demonstration of the telephone. Academy members were impressed, and Bell was elected to membership the following year. There are many reports on new inventions from the year 1881, including "Horton's Life Saving Mattress," an "Automatic Child's Cradle," a "Cold Blast Refrigerator," and "Moore's Perfectly Odorless Sanitary Water Closet."



The Archives also hold records that document profound changes within the organization during the twentieth century. In 1944, President Howard Mumford Jones recognized that the role of the American Academy of Arts and Sciences needed to evolve. Other institutions – libraries, universities, research laboratories, foundations, and government agencies – had emerged and sought to amass the nation's knowledge and know-how. Mumford asked Kirtley Mather, a prominent geologist, to lead a strategic planning process to chart the Academy's future.

The Mather Commission in its report articulated the Academy's purpose as we understand it today:

The Commission . . . believes that it is the duty as well as the privilege of the Academy to make known . . . its carefully considered views concerning matters of import. . . . The wording of the Academy's charter leaves no doubt that an important function . . . is to bring to bear, on matters likely to affect the welfare of society, the knowledge and disinterestedness [objectivity] of their concern for that welfare. The illumination of contemporary practical issues is one of the most important tasks the Academy can now perform.

This was a year of reemergence and celebration for the American Academy of Arts and Sciences. Our building reopened for staff and events. We held a joyous Induction Weekend in September, making up for two years of cancellations due to the pandemic. And we finished a very successful capital campaign through the hard work of President David Oxtoby, campaign cochairs Louise Bryson and David Rubenstein, and Chief Advancement Officer Ginger Saariaho, exceeding our \$100 million target. We are deeply grateful to them and to the members and friends who gave generously to support our work. ”

The Mather Report urged the organization to “accept a definite responsibility for leadership in the formation of public opinion concerning matters of import to the body politic,” to “change the character and mode of distribution of the *Proceedings of the Academy*,” to “capitalize the inclusiveness and broad coverage of the Academy as an element of strength,” and to raise funds “to support the expanded program of activities.” As I described in my annual report several years ago, those priorities are echoed in the five objectives of our more recent, 2018 strategic plan:

- **IMPACT:** Select and execute high-quality work leveraging the expertise and breadth of the Academy’s membership to advance the welfare of the nation and the world.
- **MEMBER ENGAGEMENT:** Strengthen member engagement, connecting members to one another and to the work that the Academy undertakes in service to society.
- **VISIBILITY:** Raise the Academy’s visibility and reputation and make our journal *Dædalus* available through open access.
- **INCLUSIVITY:** Increase the diversity of the membership and staff and ensure that the Academy’s work reflects its ongoing commitment to inclusivity.
- **FINANCIAL SUSTAINABILITY:** Expand the endowment of the Academy to sustain its work and ensure ongoing independence and impact.

We clearly have a very strong, and consistent, view of who we are as an organization!

Now four years into implementing our current strategic plan, we are very much on track with these objectives. In this issue of the *Bulletin*, you will learn about current projects and the dissemination of recommendations from published reports; about events bringing members together virtually, in Cambridge, and across the country; about Academy publications; and about philanthropy that supports today’s work and secures our future. On page 74 you will see a list of members of our most recently elected class, who exemplify the progress we are making in identifying and honoring exceptional talent from groups traditionally underrepresented in our organization.

This is my final annual report as Chair of the Academy’s Board of Directors. I am deeply grateful for the opportunity that I have had to help guide this remarkable organization. I know I leave the Academy in excellent hands, with David Oxtoby leading as President, and with outstanding officers, governance members, and staff committed to our important work. I feel particularly fortunate to have had the opportunity to meet and get to know many of our members, and to have helped honor your extraordinary contributions to our country and our world.

Report of the President

DAVID W. OXTOBY

Greetings from Cambridge, Massachusetts, where earlier this fall the Academy celebrated its first in-person Induction weekend since 2019. We welcomed new members from the classes of 2020 and 2021 with an opening celebration featuring Yo-Yo Ma in conversation with David Rubenstein at Harvard Business School's Klarman Hall. On the following day, new members gathered with governance members, project leaders, and Academy staff for a lively open house at the Academy's headquarters in Norton's Woods. Later that afternoon, the two classes of inductees gathered at MIT's Kresge Auditorium for a resumption of the moving Induction Ceremony that we have all missed for so long.

Induction weekend served not only as a joyous occasion to welcome new Academy members, but it also provided an opportunity to reflect on the remarkable progress we have made together despite the challenges of the past three years.

As Board Chair Nancy Andrews highlights in her message, the weekend began with the dedication of the new David M. Rubenstein Wing at the House of the Academy. As we celebrated the opening of this new home for the Academy's Archives, we also marked the successful completion of the Academy's fundraising campaign, so ably led by David Rubenstein and his co-chair, Louise Bryson. The Academy set a goal of raising \$100 million by the end of 2022, and we were able both to exceed that goal and complete the campaign ahead of schedule, raising just over \$110 million and closing the campaign early on June 30, 2022. Words cannot express our gratitude to David, Louise, and the hundreds of other members who stepped up to support the Academy with major gifts, annual fund gifts, and gifts of their time, talent, and expertise.

The Induction weekend allowed us to celebrate the progress we have made across the various areas of



Academy life that the campaign has helped to support. We continue to work to advance the recommendations in the 2020 report *Our Common Purpose: Reinventing American Democracy for the 21st Century*, hiring a team of expert staff to oversee work on recommendations related to reforming the Supreme Court, increasing the size of the House of Representatives, and establishing a National Trust for Civic Infrastructure. To address two of the most pressing issues of our time, we have launched the Commission on Reimagining Our Economy and the Commission on Accelerating Climate Action. The newly established Academy Higher Education Forum brought leaders in higher education together in Aspen in June for the first annual meeting to discuss challenges and opportunities in this critical sector. And we have continued to build upon the Academy's long history of leadership in science and international affairs with projects on improving international scientific partnerships, addressing the challenges of the "new nuclear age," and promoting dialogue on arms control and disarmament.

Induction weekend served not only as a joyous occasion to welcome new Academy members, but it also allowed us to celebrate the progress we have made across various areas of Academy life. We continue to work to advance the recommendations in the report *Our Common Purpose*. We launched the Commission on Reimagining Our Economy and the Commission on Accelerating Climate Action. We held the first annual meeting of the Academy’s Higher Education Forum to discuss challenges and opportunities in this critical sector. ”

Impact continued to be a focus throughout our program work, beginning with a virtual conference convened by the Academy in September 2021 that included participants from more than a dozen think tanks and membership organizations like our own. Defining audiences and measuring impact from the first planning stages of new projects is now an integral part of the Academy process. The hiring of a new external relations officer based in Washington, D.C., will help us increase our project impact with policy-makers. We have also seen the impact of our journal *Dædalus* becoming open access, with an increase by a factor of four in downloads now that it is no longer behind a paywall.

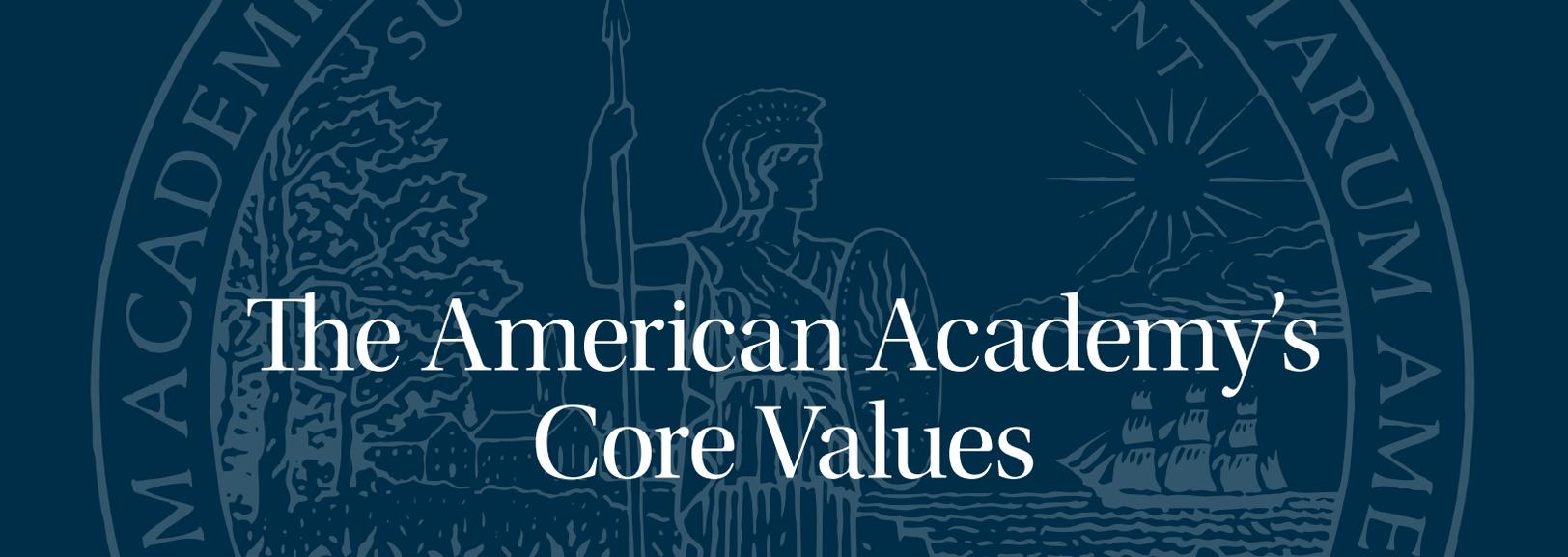
Through our virtual events, the Academy has been able to include and connect with more members in more locations than ever before. Academy commissions held purely virtual events (for example, the public launch of the reports of the Arts Commission and the project on Challenges for International Scientific Partnerships) as well as hybrid events (such as the meetings of the Commission on Reimagining Our Economy and the Commission on Accelerating Climate Action). The Academy also resumed its series of exploratory meetings in a hybrid format, including a fall 2021 meeting on “Building Resilient and Ethical Supply Chains for a Post-COVID World” and a spring 2022 meeting on “Checking Kleptocracy: Considering the Potential Establishment of an International Anti-Corruption Court.”

We have continued to make progress in the areas of diversity, equity, and inclusion through the Board’s

Committee on Anti-Racism; the staff Diversity, Equity, and Inclusion Council; and our multiyear initiative to increase the diversity of members elected to the Academy. While we are on track to reach the five-year goal of this member election plan, it remains especially important that members continue to nominate candidates from underrepresented backgrounds.

Related to this emphasis on inclusion, I would like to highlight the statement of the Academy’s Core Values that follows this message. As part of the work of the staff Diversity, Equity, and Inclusion Council, a group of staff members took the initiative to revisit the values stated in our 2018 strategic plan and articulate what they mean for staff, members, and the broader Academy community at this moment in our history. I could not be prouder of what the statement – and the process by which it came about – says about our staff and their commitment to being part of a just organization.

In closing, I would like to thank Nancy Andrews for her service as Chair of the Board during this important era in the Academy’s history. At the Induction Ceremony, Nancy told the new members, “I know that your intellect, creativity, and commitment will enrich the work of our Academy, and I hope that the Academy can help you in your continuing efforts to shape the world of the future, just as the members who came before you helped to shape the world we live in today.” She knows this because it is her story. Thank you, Nancy, for all you have done to strengthen the Academy in service to the world.



The American Academy's Core Values

Founded in 1780, the American Academy of Arts and Sciences honors excellence and convenes leaders from every field of human endeavor to examine new ideas, address issues of importance to the nation and the world, and work together “to cultivate every art and science which may tend to advance the interest, honor, dignity, and happiness of a free, independent, and virtuous people.”

As members, staff, and the broader Academy community, we commit to advancing the following values in all aspects of our work.

ADVANCING THE COMMON GOOD

- We consider the impact of our actions on each other and the larger community.
- We tackle complex issues in pursuit of positive impact even when doing so is challenging.

UPHOLDING DEMOCRATIC IDEALS

- We create meaningful opportunities for participation.
- We recognize that we are all part of the Academy community, and we are at our best when we all contribute.

ELEVATING THE USE OF EVIDENCE AND KNOWLEDGE

- We pursue and encourage the discovery and development of knowledge from many different sources.
- We use evidence to guide our actions.

FOSTERING DELIBERATIVE DISCOURSE

- We practice active listening so that we understand and utilize multiple perspectives in our work.
- We foster an environment of psychological safety so that we can collaborate openly and honestly.

PRESERVING INDEPENDENCE

- We actively guard against ideological bias so that we can pursue our mission with integrity, purpose, and humility.
- We prioritize the credibility of our work, rooted in the Academy’s political nonalignment and independence from other institutional ties or individual agendas.

EMBRACING DIVERSITY AND INCLUSIVITY

- We build and nurture a community of individuals with diverse backgrounds, life experiences, and perspectives, where everyone has an equal opportunity to be heard and to contribute.
- We actively engage with one another with dignity, compassion, and empathy, valuing diversity in all its forms.

CELEBRATING EXCELLENCE

- We achieve our best results through collaboration, holding each other accountable, learning from our failures and mistakes, and recognizing our successes large and small.
- We honor passion, dedication, grit, creativity, and joy as part of the process of pursuing excellence.

GOVERNANCE & COMMITTEES

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Boston Children's Hospital

David W. Oxtoby, *President*
American Academy
of Arts and Sciences

Paula J. Giddings, *Vice Chair*
Smith College

Stephen B. Heintz, *Vice Chair*
Rockefeller Brothers Fund

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Central National Gottesman,
Inc.

Earl Lewis, *Secretary*
University of Michigan

Kwame Anthony Appiah
New York University

Louise Henry Bryson
Public Media Group of
Southern California

John Mark Hansen
University of Chicago

Goodwin H. Liu
Supreme Court of California

Cherry A. Murray
University of Arizona

David M. Rubenstein
The Carlyle Group

Deborah F. Rutter
John F. Kennedy Center
for the Performing Arts

Larry Jay Shapiro
Washington University in
St. Louis School of Medicine

Shirley M. Tilghman
Princeton University

Natasha D. Trethewey
Northwestern University

Jeannette M. Wing
Columbia University

Pauline Ruth Yu
American Council
of Learned Societies

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Juan José De Pablo
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Mary-Claire King
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Sara Lawrence-Lightfoot
Harvard Graduate School
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Duke University

Cherry A. Murray
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Patricia Phelps de Cisneros
Fundación Cisneros

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for the Performing Arts

Scott D. Sagan
Stanford University

Larry Jay Shapiro
Washington University in
St. Louis School of Medicine

Alfred Z. Spector
Two Sigma Investments

Shirley M. Tilghman
Princeton University

Natasha D. Trethewey
Northwestern University

Jeannette M. Wing
Columbia University

Susan Rose Wolf
University of North Carolina
at Chapel Hill

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Stephen B. Heintz, *ex officio*
Rockefeller Brothers Fund

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University of Michigan

Shirley Mahaley Malcom,
ex officio
American Association for the
Advancement of Science

David W. Oxtoby, *ex officio*
American Academy
of Arts and Sciences

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New York University

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Public Media Group
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Cockrell Interests, Inc.

Juan Enriquez
Excel Venture Management

Frances Daly Fergusson
Vassar College

Ann M. Fudge
Young and Rubicam Brands

John Mark Hansen
University of Chicago

Antonia Hernández
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Causeway Media Partners

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Rutgers, The State University
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Alberto Iburgüen
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Foundation

Andrew R. Jassy
Amazon.com

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The Huntington Library,
Art Collections, and
Botanical Gardens

Goodwin H. Liu
Supreme Court of California

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Ariel Investments, LLC

David M. Rubenstein
The Carlyle Group

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United States District Court,
District of Massachusetts

Sara Lee Schupf
New York, New York

James M. Stone
Plymouth Rock Companies

Marcelo M. Suárez-Orozco
University of Massachusetts
Boston

Pauline Ruth Yu
American Council
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Boston Children's Hospital

Paula J. Giddings, *ex officio*
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Trust, *continued*

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David W. Oxtoby, *ex officio*
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St. Louis School of Medicine

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Fremont Group;
Harvard Kennedy School

Frances Daly Fergusson
Vassar College

Antonia Hernández
California Community
Foundation

Patti B. Saris
United States District Court,
District of Massachusetts

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Chair
New York University

Lawrence D. Bobo
Harvard University

Philip N. Bredesen
State of Tennessee

Annette Gordon-Reed
Harvard University

Suzan Shown Harjo
The Morning Star Institute

Antonia Hernández
California Community
Foundation

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Wellesley College

John Legend
John Legend Touring
Incorporated

Earl Lewis
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Goodwin H. Liu
Supreme Court of California

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Boston Children's Hospital

David W. Oxtoby, *ex officio*
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of Arts and Sciences

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University of Michigan

Sally Haslanger
Massachusetts Institute
of Technology

Leemor Joshua-Tor
Cold Spring Harbor
Laboratory

Bryna R. Kra
Northwestern University

Jonathan B. Losos
Washington University in
St. Louis; Harvard University

Venkatesh Narayanamurti
Harvard University

Lucia B. Rothman-Denes
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Vicki L. Ruiz
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The Ford Foundation

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Boston Children's Hospital

David W. Oxtoby, *ex officio*
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**Finance
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Fremont Group

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University of Arizona

Venkatesh Narayanamurti
Harvard University

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

Marcelo M. Suárez-Orozco
University of Massachusetts
Boston

Shirley M. Tilghman
Princeton University

Pauline Ruth Yu
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of Learned Societies

Nancy C. Andrews, *ex officio*
Boston Children's Hospital

Stephen B. Heintz, *ex officio*
Rockefeller Brothers Fund

David W. Oxtoby, *ex officio*
American Academy
of Arts and Sciences

Investment Committee

Arthur Gelb, Chair
Four Sigma Corporation

Ernest Cockrell
Cockrell Interests, Inc.

Alan M. Dachs
Fremont Group

Martin Leibowitz
Morgan Stanley

Suzanne Nora Johnson
Goldman Sachs Group

Chandrika Tandon
Tandon Capital Associates

David C. Weinstein
Harvard University

Nancy C. Andrews, ex officio
Boston Children's Hospital

Stephen B. Heintz, ex officio
Rockefeller Brothers Fund

David W. Oxtoby, ex officio
American Academy
of Arts and Sciences

Kenneth L. Wallach, ex officio
Central National-Gottesman,
Inc.

Nominating Committee

Larry Jay Shapiro, Chair
Washington University in
St. Louis School of Medicine

Louise Henry Bryson
Public Media Group
of Southern California

John A. Katzenellenbogen
University of Illinois
at Urbana-Champaign

Paula D. McClain
Duke University

Richard A. Meserve
Covington and Burling LLC

Deborah F. Rutter
John F. Kennedy Center
for the Performing Arts

Pauline Ruth Yu
American Council
of Learned Societies

Nancy C. Andrews, ex officio
Boston Children's Hospital

David W. Oxtoby, ex officio
American Academy
of Arts and Sciences

Prize Committee

Pauline Ruth Yu, Chair
American Council
of Learned Societies

Debra Ann Fischer
Yale University

Reid Hastie
University of Chicago
Booth School of Business

Lucia B. Rothman-Denes
University of Chicago

Scott Russell Sanders
Indiana University

David W. Oxtoby, ex officio
American Academy
of Arts and Sciences

Academy Representatives

**American Association
for the Advancement
of Science**

John G. Hildebrand
University of Arizona

**American Council
of Learned Societies**

Elaine Sisman
Columbia University

National Humanities Center

Harriet Ritvo
Massachusetts Institute
of Technology

American Academy of Arts and Sciences and Affiliates

Consolidated Statement of Financial Position as of June 30, 2022

Assets

Current Assets

Cash	\$	3,237,279
Accounts receivable		385,211
Current portion of grants and pledges receivable		9,146,530
Other current assets		411,662
Total current assets		13,180,682
Grants and Pledges Receivable, net		10,457,500
Investments		76,212,689
Beneficial Interest in Perpetual Trust for Science		2,684,411
Prepaid Land Lease, net		446,464
Property and Equipment, net		11,639,452
Total assets	\$	114,621,198

Liabilities and Net Assets

Current Liabilities

Current portion of note payable	\$	194,852
Accounts payable and accrued expenses		2,967,631
Total current liabilities		3,162,483
Note Payable, net of current portion		1,799,423
Total liabilities		4,961,906

Net Assets

Without donor restrictions		
Operating		1,633,993
Board designated		14,505,461
Property and equipment		10,091,641
Total unrestricted		26,231,095
With donor restrictions		83,428,197
Total net assets		109,659,292
Total liabilities and net assets	\$	114,621,198

AAFCPAs conducted the audit of the Academy's statements of financial position for the fiscal year 2022 (July 1, 2021–June 30, 2022). A copy of the audited financial statements is available on the Academy's website and upon request.

American Academy of Arts and Sciences and Affiliates

Consolidated Statement of Activities and Changes in Net Assets

For the Year Ended June 30, 2022

Revenues

Gifts and grants	\$ 9,013,405
Investment return designated for operations	2,713,064
Annual appeal	2,498,577
Membership dues	1,433,733
University affiliates	1,139,653
Income distribution from Perpetual Trust for Science	144,828
Other revenue	95,549
Subtotal	17,038,809
Norton's Woods events revenue	619,223
Less: Norton's Woods events expenses	(650,809)
Norton's Woods events, net	(31,586)
Total revenues	17,007,223

Expenses

Program services	7,868,502
Support services	6,013,486
Forum for the Future of Higher Education	1,880,114
Total expenses	15,762,102
Changes in net assets from operations	1,245,121

Other Revenues (Expenses)

Contributions to endowment	4,986,523
Contribution income – acquisition	2,907,657
Decrease in Perpetual Trust for Science	(532,166)
Investment returns	(13,207,239)
Less - spending policy	(2,713,064)
Total other revenues (expenses)	(8,558,289)
Changes in net assets	(7,313,168)

Net Assets

Beginning of year	116,972,460
End of year	\$ 109,659,292



The Campaign for the Academy & Its Future

DAVID M. RUBENSTEIN AND LOUISE H. BRYSON, CAMPAIGN COCHAIRS

In 2015, the Academy embarked on an ambitious fundraising effort to secure its rich traditions and advance its strategic aims. Over the past seven years, the Campaign has fueled remarkable progress in every facet of the organization. It has funded:

- 11 major projects and commissions;
- 28 exploratory meetings;
- 540 member events, including a new slate of virtual and hybrid events;
- 7 endowed staff and fellowship positions and 5 term-funded positions;
- A focus on extending impact and influence, including 2 new staff positions dedicated to strategic implementation;
- *Dædalus* becoming an open access journal;
- Major capital improvements to the Academy's headquarters, including a new wing to house the Academy's archives;
- Upgrades to technology, including a new website and member portal, and the digitization of the Academy's archival collection.

We would like to thank the members, friends, and organizations who together contributed over \$110 million that have made this work possible. For over 240 years, the Academy has served as a trusted source of knowledge on topics and activities of the greatest global significance. We uphold independence, we honor excellence, and we promote the diversity of thought that comes from our extraordinary interdisciplinary membership. Your support makes this possible. Thank you.

“ Patriots ready to commit lives, fortunes, and sacred honor to constitutional democracy founded this Academy. We are in your debt for recognizing and reprising their example of dedication to self-government.

— A note of appreciation from Danielle Allen, cochair of the Academy's Commission on the Practice of Democratic Citizenship

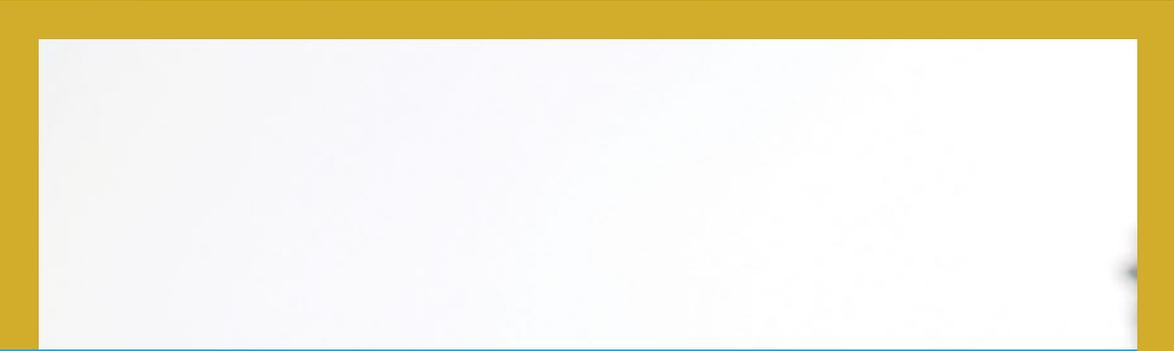


A CAMPAIGN CELEBRATION

On Friday, September 9, 2022, representatives from the Academy’s governing bodies gathered to recognize significant donors to the campaign and to dedicate the new David M. Rubenstein Wing for the Academy’s Archives. The attendees included former Academy President Jonathan F. Fanton and former Board Chair Don M. Randel, who together started the campaign in 2015. Campaign cochairs Louise Bryson and David M. Rubenstein were recognized for their efforts and presented with Distinguished Leadership Awards.

Clockwise from top left: Current Academy President David W. Oxtoby and former Academy President Jonathan F. Fanton; Academy Associate Archivist Maggie Boyd and Academy Treasurer Kenneth Wallach; Shulamit Reinharz, Gilbert Omenn, and Jehuda Reinharz with Academy Director of Archives Michele Lavoie; Anthony Appiah and Marcelo Suárez-Orozco; former Board Chair Don M. Randel, David M. Rubenstein, and Nannerl Keohane





AMERICAN INSTITUTIONS, SOCIETY & THE PUBLIC GOOD





The American Academy of Arts and Sciences was founded by visionaries who foresaw that the nascent republic would benefit from the expertise of learned citizens to guide its development, health, and integrity through whatever challenges may arise.

Today, the clarity of that vision has never been more evident. The pandemic, the 2020 election and its aftermath, and the movement for justice and reform in the wake of continued racial injustice have demonstrated the importance of shoring up our institutions and civil society on behalf of the public good. We find ourselves in a time of deepening divides across lines of politics, race, religion, income, and opportunity. The institutions we have long turned to for leadership and information are under fire, and doubt about the credibility of the media, government, commercial enterprise, and academia is cast from many directions. Strong and responsive institutions and a healthy civil society can carry us through crises and are vitally important in their aftermath.

From these challenges springs an ever-greater need for innovation and reinvestment in America's founding values and its promise. As the Academy's report *Our Common Purpose: Reinventing American Democracy for the 21st Century* notes, we are experiencing an age of surging civic participation, "of communities working to build new connections across long-standing divides, and of citizens suddenly awakening to the potential of their democratic responsibilities." It is in times like these that members of the Academy, through projects in the American Institutions, Society, and the Public Good program, combine their extraordinary and diverse expertise to strengthen the relationships between our national institutions, civil society, and the American people.

CIVIC
SATURDAYCITIZEN
UNIVERSITY

PROJECT Commission on the Practice of Democratic Citizenship

The Commission on the Practice of Democratic Citizenship is a multiyear project of the Academy. The Commission launched in 2018 to explore the factors that encourage and discourage people from becoming engaged in their communities. The Commission's final report, *Our Common Purpose: Reinventing American Democracy for the 21st Century*, seeks to improve democratic engagement in the United States with a set of thirty-one recommendations that reach across political institutions, civic culture, and civil society to revitalize American democracy by increasing representation, empowering voters, making institutions more responsive, and reinvigorating our civic life.

The Academy has committed to make significant progress on all thirty-one recommendations by 2026, the nation's 250th anniversary. In collaboration with champion organizations and leaders from across the nation, who are committed to the advancement of the recommendations, the Academy will host public events and targeted briefings; provide expert testimony and thought leadership; convene experts and practitioners for knowledge sharing and strategy development; create op-eds and other earned media; and in other ways stand up and support the ongoing implementation of *Our Common Purpose*.



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Charitable Fund

Alan and Lauren Dachs

Sara Lee Schupf and the
Lubin Family Foundation

Joan and Irwin Jacobs

Patti Saris

David M. Rubenstein

COMMISSION PUBLICATIONS

The Case for Enlarging the House of Representatives, Lee Drutman, Jonathan D. Cohen, Yuval Levin, and Norman J. Ornstein (American Academy of Arts and Sciences, 2021)

Our Common Purpose: Reinventing American Democracy for the 21st Century (American Academy of Arts and Sciences, 2020)

The Political and Civic Engagement of Immigrants, Caroline Brettell (American Academy of Arts and Sciences, 2020)

The Data Driving Democracy, Christina Couch (American Academy of Arts and Sciences, 2020)

The Internet and Engaged Citizenship, David Karpf (American Academy of Arts and Sciences, 2019)



PROJECT Making Justice Accessible

Unlike criminal legal proceedings, citizens are not guaranteed representation by a lawyer in civil legal cases. In fact, millions of Americans experience civil legal problems that significantly impact their well-being, safety, and stability, and most face these problems alone – without the help of a lawyer. This is known as the civil justice gap, defined as the difference between the civil legal needs of Americans and the resources available to meet those needs.

In February 2022, the Academy launched a two-year implementation phase of the Making Justice Accessible project in order to make progress on the recommendations in the *Civil Justice for All* and *Measuring Civil Justice for All* reports and to draw attention to significant issues that impact the sustainability and scale of efforts to close the civil justice gap. The Academy will build awareness of promising developments, expand support for civil justice funding, and develop a vision for a national strategy to coordinate civil justice initiatives.

This implementation phase builds on the two projects that addressed the challenges of providing legal services to low-income Americans. The first project, Designing Legal Services for the 21st Century, produced the *Civil Justice for All* report, which recommends targeted investments, simplified procedures, greater coordination and new partnerships among a range of fields and sectors, and new advocates who are trained and encouraged to provide more accessible legal assistance. The second project, Data Collection and Legal Services for Low-Income Americans, produced the *Measuring Civil Justice for All* report, which created a blueprint for future data collection efforts, including establishing a research agenda for scholars, practitioners, and policy-makers. Participants included representatives of the courts and foundations, legal aid providers, as well as legal scholars and social scientists. The related Winter 2019 issue of *Dædalus* on “Access to Justice” is a multidisciplinary study of the civil justice gap, examining new models for the delivery of legal aid.

PROJECT CHAIRS

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FUNDER

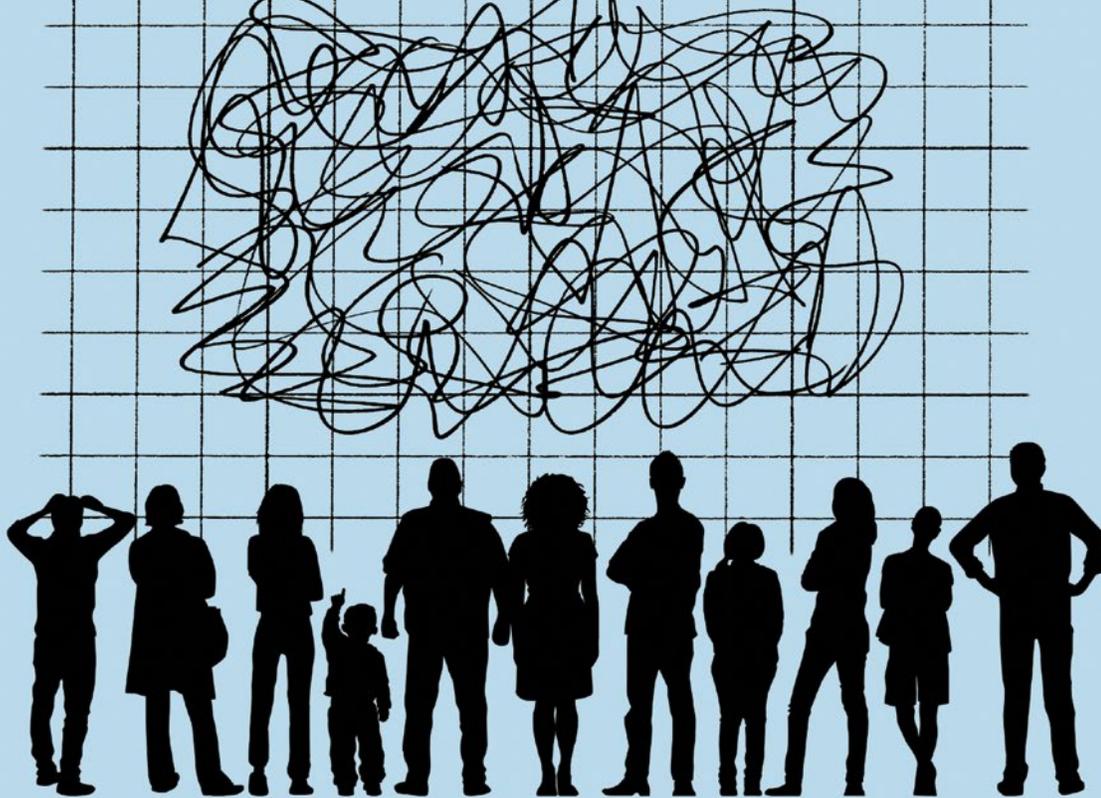
David M. Rubenstein

PROJECT PUBLICATIONS

Measuring Civil Justice for All (American Academy of Arts and Sciences, 2021)

Civil Justice for All
(American Academy of Arts and Sciences, 2020)

“Access to Justice,”
Dædalus, edited by Lincoln Caplan, Lance Liebman, and Rebecca Sandefur (Winter 2019)



PROJECT Commission on Reimagining Our Economy

Economic uncertainty is a disruptive force in American life. In the United States today, too many families are unable to achieve the life they want despite their best efforts, too many communities have not benefited from economic growth, and too many Americans believe the economy does not work for people like them. These conditions not only harm lives and livelihoods, but they also sow distrust in our political, economic, and community institutions. The widespread belief that the economy does not give everyone a fair chance exacerbates tensions among Americans, threatening the nation's social fabric and its democracy.

The Academy launched the Commission on Reimagining Our Economy (CORE) in October 2021 with the goal of rethinking the principles, metrics, narratives, and policies that shape the nation's political economy. While policy-makers and journalists often track how

the economy is doing, the Commission seeks to direct a focus onto how *Americans* are doing, elevating the human stakes of our economic and political systems. The Commission builds on the work of *Our Common Purpose*, which acknowledges that economic conditions shape the practice of democracy but does not offer recommendations specifically targeted at economic issues.

The interdisciplinary Commission comprises scholars, journalists, artists, and leaders from the faith, labor, business, education, and philanthropic communities. Through listening sessions, data collection, and a commitment to cross-partisan work, the Commission will develop bold, achievable recommendations to build an economy that works for all Americans. The Commission represents a vital endeavor to reimagine the nation's political economy, to ease distrust, and to help the American people face the challenges of the twenty-first century.

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The William and Flora
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The C&P Buttenwieser
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Omidyar Network

Patti Saris

David M. Rubenstein



EDUCATION & THE DEVELOPMENT OF KNOWLEDGE



Projects in Education and the Development of Knowledge examine the vital role that education plays in our nation and the world. Work in this area seeks to inform policy and practice in support of high-quality educational opportunities for all Americans. From advancing equitable educational outcomes to leveraging new developments in the learning sciences and digital technologies to understanding the vital role that public universities play as engines of economic growth, innovation, social mobility, and citizenship, projects in this area draw on scholars and practitioners from diverse fields to provide leadership and actionable solutions to policy-makers, higher education leaders, and philanthropists.

Recent work in Education and the Development of Knowledge includes the Commission on the Future of Undergraduate Education (chaired by Roger Ferguson and Michael McPherson) and The Lincoln Project: Excellence and Access in Public Higher Education (chaired by Robert Birgeneau and Mary Sue Coleman), which developed recommendations for ensuring that public universities continue to serve the nation as engines of economic development and opportunity. In addition, the Commission on Language Learning was requested by eight Republican and Democratic members of the U.S. Senate and U.S. House of Representatives and issued recommendations to improve access to as many languages as possible, for people of every age, ethnicity, and socio-economic background.

Kimberlee Eberle-Sudré joined the Academy in January 2022 as the new Director of Education and the Development of Knowledge. She previously worked at the American Association of Universities (AAU), where she led their work on racial and gender equity in higher education and oversaw their federal policy research agenda. Additionally, she has held roles on college campuses, in federal and state government, and in student advocacy organizations.



PROJECT The Forum @ the Academy

The Forum for the Future of Higher Education, a collaboration of higher education leaders and scholars, started in 1984 and has been based at several different institutions in its history, beginning with Columbia University. Over the ensuing decades, the Forum moved to Stanford University and then to Yale University, before moving to its most recent home at the Massachusetts Institute of Technology. In early 2022, the Forum transitioned to the Academy and officially became The Higher Education Forum at the American Academy of Arts and Sciences.

The Academy – with its program area on Education and the Development of Knowledge, its extensive programmatic work, and an Affiliates program that counts

over eighty institutions of higher education among its network of supporters – provides an ideal home for the Forum and brings a natural audience of deeply invested stakeholders to all its education work. The Forum, in turn, offers the Academy an opportunity to be nimble and innovative in this area.

The Academy’s inaugural Forum meeting was held in June 2022 in Aspen, CO. The meeting brought together leaders in higher education to discuss the most pressing issues in this sector ranging from student access to the role of the university in the workforce and democratic citizenship. The meeting centered around themes of democracy and trust, equity and inclusion, and what the COVID-19 pandemic has meant to higher education.

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FUNDERS

The Higher Education Forum is sponsored by Bank of America; Barclays; BofA Securities Inc.; Deloitte; Goldman Sachs; Huron; JP Morgan; Kaplan, Inc.; Lumina Foundation; Morgan Stanley; Prager & Company; and United Educators.

June 2022 Higher Education Forum Meeting



President David Wilson (Morgan State University) and **President Sean Decatur** (Kenyon College) talk with **Provost C. Cybele Raver** (Vanderbilt University) and **Dr. Seth Pollak** (University of Wisconsin-Madison).



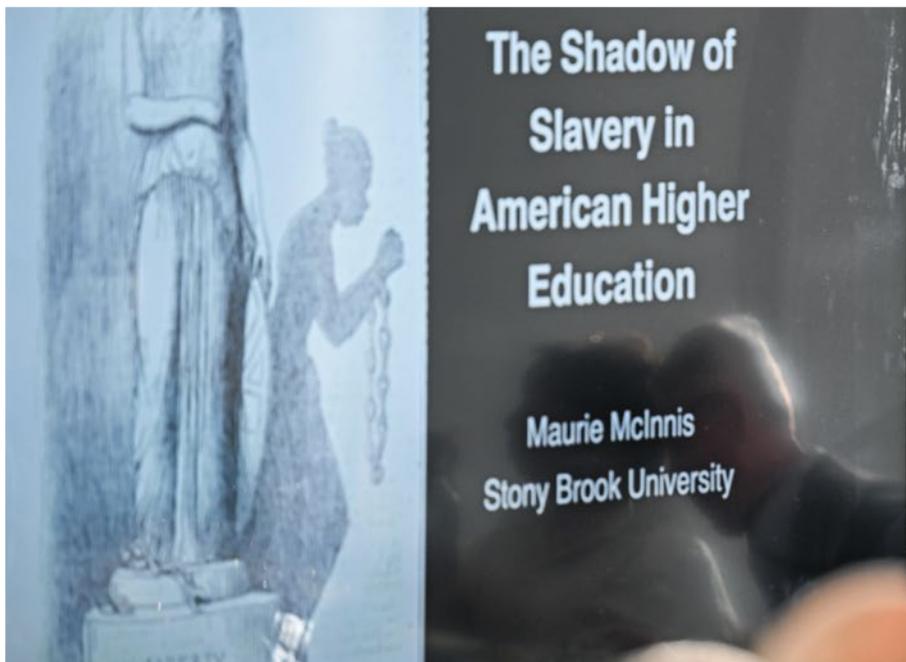
Joanne Berger-Sweeney (Trinity College) facilitates a conversation on Higher Education: Marrying the Needs of Students and the Workforce.



Ruth Watkins (Strada Education Network) and **Eduardo Padrón** (Miami Dade College) in a panel discussion on Higher Education: Marrying the Needs of Students and the Workforce.



Maurie McInnis (Stony Brook University) leads a dinner conversation on "The Shadow of Slavery in American Higher Education."



Maurie McInnis

GLOBAL SECURITY & INTERNATIONAL AFFAIRS



The Global Security and International Affairs program area draws on the expertise of policy-makers, practitioners, and scholars to foster knowledge and inform innovative and more substantial policies that address crucial issues affecting the global community. Projects underway in this area engage with pressing strategic, development, and moral questions that underpin relations among people, communities, and states worldwide. Each initiative embraces a broad conception of security as the interaction among human, national, and global security imperatives. Project recommendations move beyond the idea of security as the absence of war toward higher aspirations of collective peace, development, and justice.

Committee on International Security Studies

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Stanford University

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Steven E. Miller
Harvard Kennedy School

Barry R. Posen
Massachusetts Institute
of Technology

Adam Roberts
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Jennifer M. Welsh
McGill University

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PROJECT Rethinking the Humanitarian Health Response to Violent Conflict

Rethinking the Humanitarian Health Response to Violent Conflict project seeks to understand and address current trends in humanitarian contexts that pose new or evolving challenges for humanitarian health responders. This project brings together political scientists, legal and security experts, health professionals, and humanitarians to examine challenges to effective humanitarian action and to develop new strategies for preventing civilian harm and delivering critical health services in areas plagued by violent conflict.

Current work includes a focus on responding to some of the challenges posed by the COVID-19 pandemic’s effects on humanitarian health needs in conflict areas and other violent settings. Building on its efforts to address the political and security dimensions of pandemic response

in areas of weak governance and violent conflict, the initiative published two research papers as part of a work-stream on global cooperation and pandemic control.

Another area of work explores Regional Humanitarian Responses to Pandemics, Criminal and Political Violence, and Forced Migration and is publishing peer-reviewed journal articles that present the findings of field research conducted in partnership with the University of California, San Diego, and El Colegio de la Frontera Norte. This work focuses on understanding the impacts of COVID-19 on migrants at the U.S.-Mexico border.

A *Daedalus* volume, forthcoming in Spring 2023, will synthesize the findings from across all components of the project, with tailored resources prepared for select audiences, including policy-makers and practitioners.

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Malcolm Hewitt Wiener
Foundation

The Rockefeller Foundation

PROJECT PUBLICATIONS

Peace Operations at the Intersection of Health Emergencies and Violent Conflict: Lessons from the 2018–2020 DRC Ebola Crisis, Dirk Druet (American Academy of Arts and Sciences, 2022)

International Cooperation Failures in the Face of the COVID-19 Pandemic: Learning from Past Efforts to Address Common Threats, Jennifer M. Welsh (American Academy of Arts and Sciences, 2022)

Iletza Bojorquez-Chapela, Steffanie A. Strathdee, Richard S. Garfein, et al., “The Impact of the COVID-19 Pandemic Among Migrants in Shelters in Tijuana, Baja California, Mexico,” *BMJ Global Health* (2022)

Iletza Bojorquez, Jaime Sepúlveda, Deandra Lee, and Steffanie Strathdee, “Interrupted Transit and Common Mental Disorders among Migrants in Tijuana, Mexico,” *International Journal of Social Psychiatry* (2022).





PROJECT Promoting Dialogue on Arms Control and Disarmament

Unlike the Cold War, the current nuclear age is characterized by a simultaneous collapse of arms control agreements and the absence of any strategic dialogue among the three main nuclear players. One strand of work in the Promoting Dialogue on Arms Control and Disarmament project consists of a series of Track-2 dialogues between experts and former policy-makers from the United States, Russia, and China, which is designed to identify critical short-term goals in arms control that would serve to minimize and reduce the potential risks of nuclear arms-racing and escalation. The meetings identify areas for cooperation and promote conceptual thinking about measures that might strengthen strategic stability and help to reduce the significant dangers of nuclear weapons being used in the future.

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Raymond Frankel Nuclear
Security Policy Fellow
(September 24, 2020–
June 30, 2022)

Doreen Horschig
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Security Policy Fellow

Kathryn Moffat
Senior Program Officer

A second strand of work builds on the Academy's prior experience organizing educational sessions for the U.S. Congress on a range of topics. Through a series of engagements with members of Congress and their staffs, the project will help to foster and strengthen knowledge on key issues and challenges facing the United States in arms control and international security, with particular attention to careful management of the strategic competition posed by China and Russia.

A third strand of work weaves the project's expert discussions and policy recommendations together to produce publications on critical debates within nuclear arms control. These publications will be translated into Russian and Chinese for dissemination to policy-makers and the arms control communities in Moscow and Beijing.

Tania Munz
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FUNDER

The Raymond Frankel
Foundation

PROJECT PUBLICATION

Nuclear Perils in a New Era: Bringing Perspective to the Nuclear Choices Facing Russia and the United States, Steven E. Miller and Alexey Arbatov (American Academy of Arts and Sciences and Russian Academy of Sciences, 2021)



PROJECT Meeting the Challenges of the New Nuclear Age, Phase I

The world has entered a new nuclear era. No longer dominated by two nuclear superpowers, the evolving multipolar nuclear order presents fundamental challenges to the conceptual and practical means of avoiding nuclear war. Moreover, the new era has slowly dismantled the bilateral arms control framework, with no clear prospect that it will be revived and extended. The possibility that a framework or frameworks encompassing other, let alone all, nuclear powers can be achieved seems even more remote. In addition, advances in weapons technology and the opening of new frontiers, such as cyber capabilities and artificial intelligence, make a shifting environment still more complex. The pathways to inadvertent nuclear war have multiplied across more regions and relationships.

Since 2017, the Meeting the Challenges of the New Nuclear Age project has worked to identify the major dangers generated by the dynamics of a multipolar nuclear world that pose the greatest threat of inadvertent nuclear war; offer alternative approaches to addressing each of these dangers; facilitate discussions with relevant communities in the United States and abroad; and encourage and assist policy-makers, Congress, the

analytical community, and the media to think systematically about our increasingly multipolar world. The publications produced by the project have been shared widely with domestic and international policy-makers, scholars and students of nuclear affairs, and leaders of international organizations.

The Meeting the Challenges of the New Nuclear Age project is rooted in the critically important work on arms control that the Academy conducted from 1958 to 1960 to prevent a nuclear confrontation between the United States and the Soviet Union. During that time, Academy Fellows gathered monthly to build a cooperative framework between the United States and the Soviet Union based on the limitations of the nuclear stockpile and the establishment of mutual vulnerability between the two rivals. The group included Donald Brennan, Edward Teller, Henry Kissinger, and Thomas Schelling, among others. Today, more than ever, an effort that brings together scholars and policy-makers to examine the wide range of challenges posed by the changing nuclear order is urgently needed. More information about the Academy's nuclear-related projects is online at www.amacad.org/nuclear.



PROJECT Meeting the Challenges of the New Nuclear Age, Phase II: Deterrence & New Nuclear States

With the emergence of three new nuclear powers (India, Pakistan, and North Korea) and several potential future nuclear states (including Iran, Saudi Arabia, and Turkey), the world is on the verge of a new nuclear age. This will demand new thinking about the security implications of nuclear powers that may be in highly hostile environments, suffer from domestic instability, have fewer resources, or be led by personalist dictators. Phase

Two of Meeting the Challenges of the New Nuclear Age investigates the deterrence and defense implications facing small nuclear force countries and potential proliferators.

The project is producing an edited volume of essays that will be published by Cornell University Press. Outreach activities will be aimed at nuclear policy-makers (primarily in the United States) and academic centers and think tanks with a nuclear studies focus.

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PROJECT CHAIRS, PHASE II

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John F. Cogan, Jr. †

Lester Crown

Alan M. Dachs

Bob and Kristine Higgins

Richard Rosenberg

Kenneth L. and Susan S.
Wallach

PROJECT PUBLICATIONS

Meeting the Challenges of the New Nuclear Age: U.S. and Russian Nuclear Concepts, Past and Present, Linton Brooks, Alexei Arbatov, and Francis J. Gavin (American Academy of Arts and Sciences, 2018)

Meeting the Challenges of the New Nuclear Age: Emerging Risks and Declining Norms in the Age of Technological Innovation and Changing Nuclear Doctrines, Nina Tannenwald and James M. Acton, with an Introduction by Jane Vaynman (American Academy of Arts and Sciences, 2018)

Meeting the Challenges of the New Nuclear Age: Nuclear Weapons in a Changing Global Order, Steven E. Miller, Robert Legvold, and Lawrence Freedman (American Academy of Arts and Sciences, 2019)

Contemplating Strategic Stability in a New Multipolar Nuclear World, Robert Legvold (American Academy of Arts and Sciences, 2019)

“Meeting the Challenges of a New Nuclear Age,” *Dædalus*, edited by Robert Legvold and Christopher Chyba (2020)

† Deceased

EXPLORATORY MEETING

Checking Kleptocracy: Creating a New Instrument of World Order

On May 19–21, 2022, the Academy convened an exploratory meeting on the efficacy and potential establishment of an international anticorruption court. The meeting built on the Academy’s prior work on anticorruption, including a *Dædalus* volume on “Anticorruption: How to Beat Back Political & Corporate Graft” published in 2018. The exploratory meeting offered an opportunity to examine closely a proposal for an international anticorruption court, which was developed in an essay by Judge Mark Wolf for the *Dædalus* volume and has been used since to drive a wider series of discussions.

The participants in the meeting – diplomats, legal scholars, judges with experience in domestic and international courts, and individuals involved in the creation of other international courts – discussed issues central to the question of whether an international anticorruption court could help combat corruption in practice and how it could potentially be established. Among the themes discussed were the dangers and costs of grand corruption and how kleptocrats can best be pursued domestically and internationally; the core principles and mandate that would be needed by a potential new international court; and the strategies that could potentially lead to the establishment of the court.

MEETING CHAIR

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Chief Program Officer

Islam Qasem
Program Director

FUNDER

American Academy
Exploratory Fund

EXPLORATORY MEETING

The Effects of Prolonged War on Democracy

On September 22–23, 2022, the Academy convened an exploratory meeting on the effects of prolonged war on democracy. The meeting brought together scholars and experts from a range of fields to explore the relationship between long-term militarization, extremism, and democracy from a U.S. and international perspective and to address how

mobilization for war, and war itself, fosters or diminishes democratic norms, institutions, and practices.

The participants discussed several topics, including theories, concepts, and comparative perspectives of militarism, democratization, and democracy; militarism and extremism in the United States; and the effects of war on the rule of law, democracy, and state capacity.

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FUNDER

American Academy
Exploratory Fund



THE HUMANITIES, ARTS & CULTURE



The humanities, arts, and culture are woven through virtually every Academy program, where artists and humanists add interdisciplinary breadth to projects in science, democracy, and security. However, the Academy also undertakes projects that put humanities, arts, and

culture at the forefront, strengthening their practice and highlighting their importance to all aspects of the nation's thriving intellectual life. These projects call attention to the role the arts and humanities play in enriching the growth and vitality of individuals, communities, and the nation.



PROJECT Commission on the Arts

The Commission on the Arts was organized to re-frame the national conversation about the role the arts play in a diverse twenty-first-century democracy, with a membership that spanned the cultural field and the geography of the United States. The work of the Commission was given added urgency by the COVID-19 pandemic, which closed venues and institutions, disrupted arts education, and threatened both the lives and livelihoods of creative workers. The artists, scholars, institutional leaders, and community advocates on the Commission issued two reports, making

the case for arts education and the need for better federal policies and institutional structures to support a strong and diverse creative economy. The recommendations in the reports have already been used in the development of legislative proposals on Capitol Hill, as well as in local initiatives from Maine to California. A Mix-tape of digital contributions from Commission members and other artists as well as a crowdsourced poem, curated by cochair of the Commission and Poet Laureate Natasha Trethewey, “Remix: For My People” (developed with PBS), supplemented the reports.

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for the Performing Arts

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The Barr Foundation

Ford Foundation

The Getty Foundation

The John S. and James L.
Knight Foundation

The Kresge Foundation

Roger W. and Victoria P.†
Sant

COMMISSION PUBLICATIONS

Art for Life’s Sake: The Case for Arts Education
(American Academy of Arts and Sciences, 2021)

Art Is Work: Policies to Support Creative Workers
(American Academy of Arts and Sciences, 2021)

† Deceased

PROJECT The Humanities Indicators

The Humanities Indicators provide nonpartisan statistical information about all aspects of the humanities: from early childhood reading, through undergraduate and graduate education in the humanities, to employment and humanities experiences in daily life, such as reading and visits to museums. Now in its thirteenth year as a publicly available website, the project tracks the condition of the humanities enterprise via analyses of data gathered by the federal government as well as through its own rigorous survey research. The project is one of the most cited activities of the Academy, and journalists, advocates, government agencies, and academics regularly call on the project staff for information and their expertise. Building on the Indicators work, the Summer 2022 issue of

Dædalus is dedicated to the humanities and the public, covering topics from the public humanities to the medical and environmental humanities.

Recent work has focused on outcomes for college graduates in the humanities at both the undergraduate and graduate level. The project is developing additional studies, including a survey of high school student attitudes about their encounters with humanities subjects and skills, a report on the state of the humanities in K–12 education, a study about public understanding of the term *humanities*, an examination of the salaries of humanities faculty relative to other fields, as well as a separate survey of humanities departments about their situation post-COVID. The Humanities Indicators are accessible at www.amacad.org/humanities-indicators.

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Maysan Haydar
Carl and Lilly Pforzheimer
Humanities Policy Fellow

Jessica Taylor
Louis W. Cabot
Humanities Policy Fellow

PROJECT PUBLICATIONS

State of the Humanities 2022: From Graduate Education to the Workforce
(American Academy of Arts and Sciences, 2022)

State of the Humanities 2021: Workforce & Beyond
(American Academy of Arts and Sciences, 2021)

The Humanities in American Life: Insights from a Survey of the Public's Attitudes & Engagement (American Academy of Arts and Sciences, 2020)

FUNDERS

Mellon Foundation

Carl H. Pforzheimer III

The Humanities Indicators was developed with generous support from the National Endowment for the Humanities; Elihu Rose and the Madison Charitable Fund; John P. Birkelund; Peck Stackpoole Foundation; Rockefeller Foundation; Sara Lee Foundation; Teagle Foundation; Walter B. Hewlett and the William R. Hewlett Trust; and William and Flora Hewlett Foundation.





SCIENCE, ENGINEERING & TECHNOLOGY



The Academy's record of distinction in Science, Engineering, and Technology dates to its founding mission "to cultivate every art and science which may tend to advance the interest, honor, dignity, and happiness of a free, independent, and virtuous people." Rather than generate new scientific research, the role of the Academy has been uniquely interdisciplinary, bridging the social sciences and arts with the physical sciences to support a national understanding, belief, and trust in science and discovery. Perhaps no better example of this can be found than in the mid-1800s when the Academy hosted hotly contested debates about a new scientific theory – the theory of evolution.

Academy projects in Science, Engineering, and Technology seek to strengthen the capacity of science and engineering to improve the human condition. This goal has never been more important for the nation or for the world than it is today. Global challenges increasingly require collaboration across disciplinary, professional, and national boundaries, while rapid advances in information processing and transmission raise new issues for both the management of scientific and technical information and for the ability of individuals and institutions to assimilate and act on new discoveries.

PROJECT Commission on Accelerating Climate Action

The scientific consensus is clear: climate change is upon us, and its impacts will be devastating and increasingly difficult to prevent and address if we do not take action now. Polarization and a continued partisan divide have made climate change an entrenched political issue – a space where data, conclusions, and arguments from scientists have not sufficed to compel effective action. Most Americans express support for a broad array of climate policies and for greater action from different levels of government. Yet, critically needed legislation is stalled and the United States is unlikely to meet its goal to help limit warming to 1.5 degrees Celsius. To address this challenge facing our global society, the Academy formally launched a project on climate action in September 2021.

Unlike other climate change studies, the Commission will neither produce or analyze climate science data, nor will it limit its recommendations to certain disciplines or economic sectors. Rather, the Commission will seek to leverage the full toolkit of its broad membership to reveal unique and creative interdisciplinary solutions:

novel, specific, and targeted actions that, if taken, would dramatically alter the trajectory of U.S. action on climate change.

In the past year, the Commission assessed the national landscape on climate action across stakeholder groups and sectors, conducting thirty-two listening sessions. To accomplish this, they established three workstreams: Communication, the Private Sector, and Human & Military Security. Throughout the year, each working group has met several times to discuss the barriers to action and has participated in listening sessions with key stakeholders in various sectors and areas, focusing on identifying known major barriers and naming gaps in our understanding of climate change inaction. The findings of the working groups will be published in a document highlighting the key issues and major barriers, in addition to a white paper produced by the Communication working group.

In the coming year, the Commission will share its findings on barriers to action with the public and shift its focus toward solutions and recommendations to spur action.

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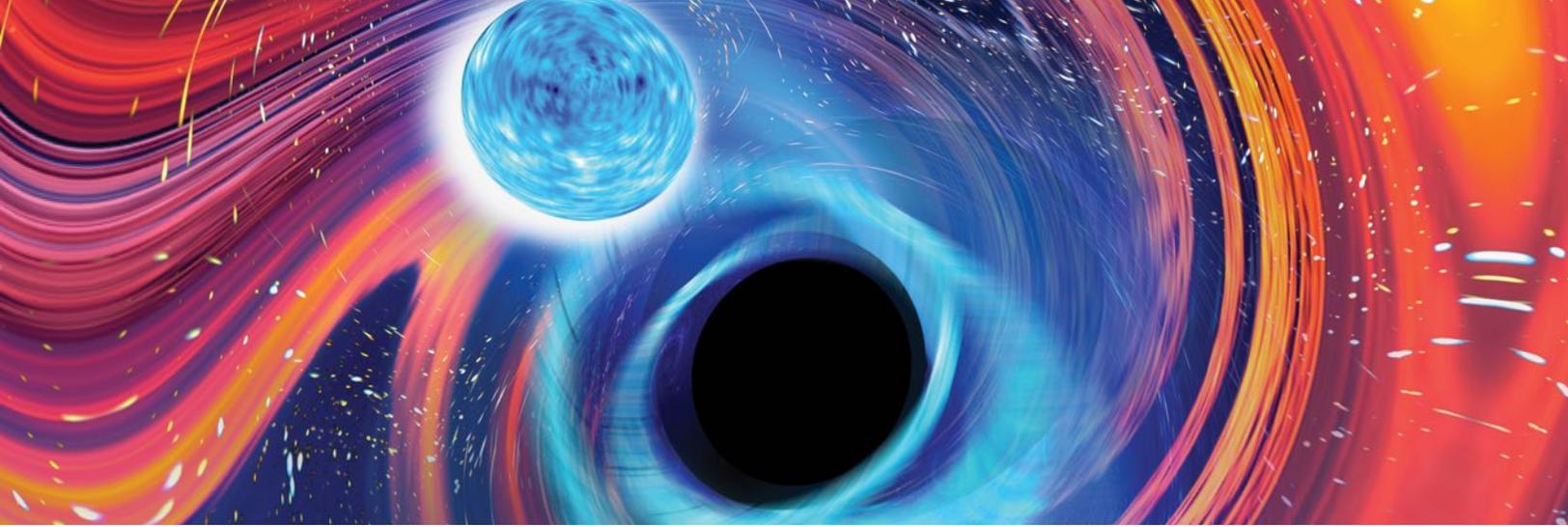
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PROJECT Challenges for International Scientific Partnerships

Challenges for International Scientific Partnerships (CISP) articulates the benefits of international collaboration and recommends solutions to the most pressing challenges associated with the design and operation of international partnerships. The initiative identifies policy recommendations and best practices to mitigate challenges for international science collaborations, including physical facilities, distributed networks, and peer-to-peer partnerships.

The project released its first report, *America and the International Future of Science*, in December 2020; its second report, *Bold Ambition: International Large-Scale Science*, in June 2021; and a third and final report, *Global Connections: Emerging Science Partners*, in February 2022.

The Large-Scale Science (LSS) working group approaches international collaborations through the lens of issues particular to large-scale science, not

peer-to-peer or small-scale international work. This group has been tasked with exploring how the United States can enhance its role in these partnerships, both in physical facilities (such as CERN) and distributed networks (such as the Human Cell Atlas). This group is focusing on recommendations that will bolster the United States' ability to partake in large-scale collaboration efforts as meaningful and engaged partners.

The Emerging Science Partners (ESP) working group explores issues particular to U.S. scientific collaborations at all scales with countries seeking to boost their scientific capacity, particularly those with limited resources to do so. This working group frames discussions around how the United States can be a better collaborator in its partnerships with emerging science partner countries and work to increase equity in these collaborations.

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PROJECT PUBLICATIONS

America and the International Future of Science (American Academy of Arts and Sciences, 2020)

Bold Ambition: International Large-Scale Science (American Academy of Arts and Sciences, 2021)

Global Connections: Emerging Science Partners (American Academy of Arts and Sciences, 2022)



EXPLORATORY MEETING Resiliency in Supply Chains

On October 29, 2021, the Academy held a hybrid exploratory meeting, led by Margaret Levi (Stanford University) and Richard Locke (Brown University), on building resilient and ethical supply chains for a post-COVID world. The meeting, which followed from three virtual soundings held during the spring and summer of 2020 that engaged Academy members, brought together experts from academia, business,

philanthropy, and government. The participants considered the supply chain vulnerabilities that were surfaced, exacerbated, and/or created by the COVID-19 pandemic and discussed possible solutions to build more ethical and resilient supply chain systems. They explored three domains in particular: health care and food security; ethics, labor, and workers' protections; and security and resiliency of global supply chains.

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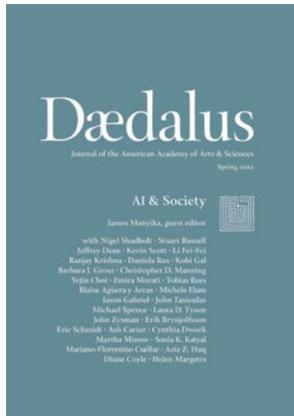
FUNDERS

American Academy
Exploratory Fund

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Ford Foundation through
Brown University

Issued Quarterly

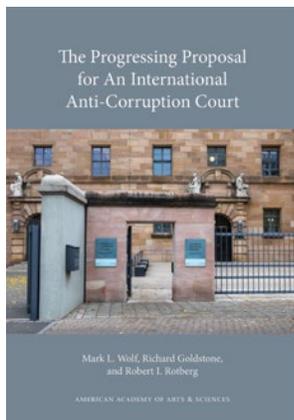


Dædalus, the Journal of the American Academy of Arts and Sciences (an open access journal)



Bulletin of the American Academy of Arts and Sciences

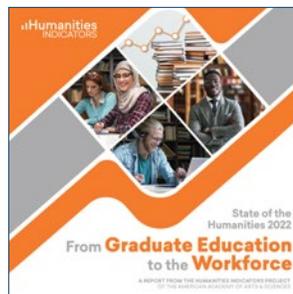
Published Recently Listed in Reverse Chronological Order



Proven Principles of Effective Climate Change Communication (2022)

The Progressing Proposal for An International Anti-Corruption Court, Mark L. Wolf, Richard Goldstone, and Robert I. Rotberg (2022)

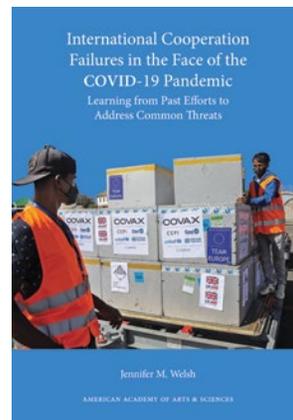
“Institutions, Experts & the Loss of Trust,” *Dædalus*, edited by Henry E. Brady and Kay Lehman Schlozman (2022)



“The Humanities in American Life: Transforming the Relationship with the Public,” *Dædalus*, edited by Carin Berkowitz, Norman Bradburn, and Robert B. Townsend (2022)

“AI & Society,” *Dædalus*, edited by James Manyika (2022)

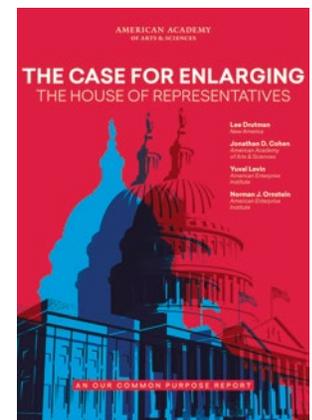
“Reimagining Justice: The Challenges of Violence & Punitive Excess,” *Dædalus*, edited by Bruce Western (2022)



Peace Operations at the Intersection of Health Emergencies and Violent Conflict: Lessons from the 2018–2020 DRC Ebola Crisis, Dirk Druet (2022)

International Cooperation Failures in the Face of the COVID-19 Pandemic: Learning from Past Efforts to Address Common Threats, Jennifer M. Welsh (2022)

State of the Humanities 2022: From Graduate Education to the Workforce (2022)

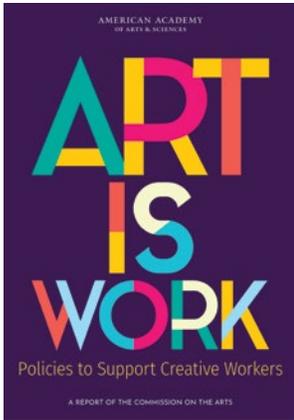


Global Connections: Emerging Science Partners (2022)

Nuestro propósito común: La reinversión de la democracia estadounidense para el siglo xxi (2022)

The Case for Enlarging the House of Representatives, Lee Drutman, Jonathan D. Cohen, Yuval Levin, and Norman J. Ornstein (2021)

State of the Humanities 2021: Workforce & Beyond (2021)



Art Is Work: Policies to Support Creative Workers (2021)

Art for Life's Sake: The Case for Arts Education (2021)

Measuring Civil Justice for All: What Do We Know? What Do We Need to Know? How Can We Know It? (2021)

Nuclear Perils in a New Era: Bringing Perspective to the Nuclear Choices Facing Russia and the United States, Steven E. Miller and Alexey Arbatov (2021)

"Good Enough" Governance: Humility and the Limits of Foreign Intervention in Response to Civil Wars and Intra-state Violence, Karl Eikenberry and Stephen D. Krasner (2021)

"Water Security in Africa in the Age of Global Climate Change," *Dædalus*, edited by Allen Isaacman, Muchaparara Musemwa, and Harry Verhoeven (2021)

"The Administrative State in the Twenty-First Century: Deconstruction and/or Reconstruction," *Dædalus*, edited by Mark Tushnet (2021)

"Immigration, Nativism & Race in the United States," *Dædalus*, edited by Douglas S. Massey (2021)



"On the Novel," *Dædalus*, edited by Michael Wood (2021)

Bold Ambition: International Large-Scale Science (2021)

America and the International Future of Science (2020)

The Humanities in American Life: Insights from a Survey of the Public's Attitudes and Engagement (2020)

Home with the Humanities: American Engagement During the Pandemic (2020)

The State of the Humanities in Four-Year Colleges and Universities: A Summary of Findings (2020)

The Perils of Complacency: America at a Tipping Point in Science & Engineering (2020)

Civil Justice for All (2020)

The Public Face of Science in America: Priorities for the Future (2020)

Our Common Purpose: Reinventing American Democracy for the 21st Century (2020)

"Witnessing Climate Change," *Dædalus*, edited by Nancy L. Rosenblum (2020)



"Religion & Democracy," *Dædalus*, edited by Robert Audi (2020)

"Meeting the Challenges of a New Nuclear Age," *Dædalus*, edited by Robert Legvold and Christopher Chyba (2020)

"Women & Equality," *Dædalus*, edited by Nannerl O. Keohane and Frances McCall Rosenbluth (2020)

The Political and Civic Engagement of Immigrants, Caroline Brettell (2020)

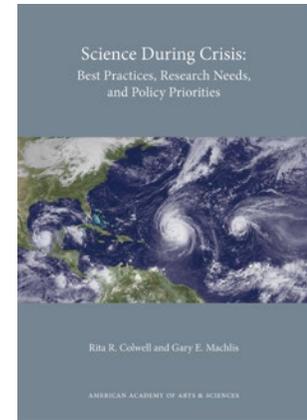
The Data Driving Democracy, Christina Couch (2020)

Contemplating Strategic Stability in a New Multipolar Nuclear World, Robert Legvold (2019)

The Internet and Engaged Citizenship, David Karpf (2019)

The Public Face of Science Across the World: Optimism and Innovation in an Era of Reservations and Inequality, Matthew C. Nisbet and Erik C. Nisbet (2019)

Science During Crisis: Best Practices, Research Needs, and Policy Priorities, Rita R. Colwell and Gary E. Machlis (2019)



Lessons from the Clean Air Act: Building Durability and Adaptability into U.S. Climate and Energy Policy, edited by Ann Carlson and Dallas Burtraw (2019)

"Improving Teaching: Strengthening the College Learning Experience," *Dædalus*, edited by Sandy Baum and Michael McPherson (2019)

"Inequality as a Multi-dimensional Process," *Dædalus*, edited by Michèle Lamont and Paul Pierson (2019)

"Why Jazz Still Matters," *Dædalus*, edited by Gerald Early and Ingrid Monson (2019)

"Access to Justice," *Dædalus*, edited by Lincoln Caplan, Lance Liebman, and Rebecca Sandefur (2019)

Meeting the Challenges of the New Nuclear Age: Nuclear Weapons in a Changing Global Order, Steven E. Miller, Robert Legvold, and Lawrence Freedman (2019)

The Humanities in Our Lives (2019)

Encountering Science in America (2019)

Perceptions of Science in America (2018)

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The Academy holds in-person and virtual events that bring members, Affiliates, and others in their communities together to explore topics of national and global concern. Academy President David W. Oxtoby provided opening remarks for most of the meetings in 2021 and 2022.

**Activity of a Local Program Committee or Representative*

VIRTUAL MEETINGS

July 15, 2021

“Good Enough” Governance and Peacekeeping

Cohosted with the United Nations Department of Peace Operations

FEATURED SPEAKERS: Karl Eikenberry (U.S. Department of State; Tsinghua University); Vanda Felbab-Brown (Brookings Institution); Stephen Krasner (Stanford University); Clare Lockhart (Yale University); Stephen Stedman (Stanford University); **INTRODUCTION:** Jean-Pierre Lacroix (United Nations)

September 15, 2021

Now What? An Action Plan for Advancing Arts Education

Cohosted with the Arts Education Partnership

FEATURED SPEAKERS: Porché Hardy (The Wallace Foundation); John Lithgow (Actor, Author); Sonia Manzano (Actress, Author); Mario Rossero (National Art Education Association); Nemisa Samanthapudi (Student); **MODERATOR:** Allentza Michel (American Academy of Arts and Sciences)

September 28, 2021

Celebration of New Members

FEATURED SPEAKERS: Nancy Andrews (Duke University); Ann Fudge (Young and Rubicam Brands); John Lithgow (Actor, Author); Eric Liu (Citizen University); Geraldine Richmond (University of Oregon); David Rubenstein (The Carlyle Group); Marcelo Suárez-Orozco (University of Massachusetts Boston); Natasha Trethewey (Northwestern University)

October 18, 2021

A Virtual Welcome to New Members in Philadelphia*

MODERATORS: Kathleen Hall Jamieson (University of Pennsylvania); Nora Newcombe (Temple University)

October 27, 2021

New Horizons: Elevating the Arts in American Life

FEATURED SPEAKERS: Stephen Colbert (*The Late Show with Stephen Colbert*); John Lithgow (Actor, Author); Deborah Rutter (The John F. Kennedy Center for the Performing Arts); Natasha Trethewey (Northwestern University)

November 1, 2021

A Toast to New Members in Chicago*

FEATURED SPEAKER: Helene Gayle (Chicago Community Trust); **INTRODUCTION:** Young-Kee Kim (University of Chicago); Richard Morimoto (Northwestern University)

November 9, 2021

The Afterlife of the Humanities Major *Cohosted with the National Humanities Center*

FEATURED SPEAKERS: Pam Hendrickson (The Riverside Company); Rebekah Paré (University of Wisconsin-Madison); Ben Vinson (Case Western Reserve University); **MODERATOR:** Robert Newman (National Humanities Center)

December 1, 2021

How Higher Education Can Save American Democracy: A Convening of American Academy Affiliates

FEATURED SPEAKERS: Melody Barnes (University of Virginia); Ronald Daniels (Johns Hopkins University); Ben Vinson (Case Western Reserve University); **MODERATOR:** Lisa García Bedolla (University of California, Berkeley)

December 7, 2021

The Supreme Court's Transformational Year: A Conversation with Linda Greenhouse*

Morton L. Mandel Conversation

FEATURED SPEAKER: Linda Greenhouse (Yale Law School)

December 9, 2021

Congressional Briefing: The Value of Equitable Arts Education

FEATURED SPEAKERS: Suzanne Bonamici (U.S. House of Representatives); Brian Kisada (University of Missouri); John Lithgow (Actor, Author); Mwalim Peters (University of Massachusetts Dartmouth); Chellie Pingree (U.S. House of Representatives); Deborah Rutter (The John F. Kennedy Center for the Performing Arts); David Sousa (Cognitive Neuroscience Society); Paul Szniewajs (Ingenuity); Natasha Trethewey (Northwestern University)

December 16, 2021

Should the House of Representatives Be Expanded?

Cohosted with the American Enterprise Institute

FEATURED SPEAKERS: Yuval Levin (American Enterprise Institute); Lee Drutman (New America); Kevin Kosar (American Enterprise Institute); Ruth Bloch Rubin (University of Chicago); Jonah Goldberg (American Enterprise Institute)

January 28, 2022

Emerging Science Partners and the Future of Global Research

FEATURED SPEAKERS: Bruce Alberts (University of California, San Francisco); Kerri-Ann Jones (U.S. State Department); Shirley Malcom (American Association for the Advancement of Science); Khaled Toukan (Jordan Atomic Energy Commission); **MODERATOR:** Olufunmilayo Olopade (University of Chicago); **INTRODUCTION:** Peter Michelson (Stanford University)

January 31, 2022

Congressional Briefing: Supporting America's Creative Workers

FEATURED SPEAKERS: Teresa Leger Fernandez (U.S. House of Representatives); John Lithgow (Actor, Author); Betty McCollum (U.S. House of Representatives); Deborah Rutter (The John F. Kennedy Center for the Performing Arts); Kristin Sakoda (Los Angeles County Department of Arts and Culture); Peter Strong (Racing Magpie); Laura Zabel (Springboard for the Arts)

February 10, 2022

Honoring Charles L. Bennett with the Rumford Prize

FEATURED SPEAKERS: Charles Bennett (Johns Hopkins University); Mark Kamionkowski (Johns Hopkins University); Kathryn Sullivan (Potomac Institute for Policy Studies); KD Sullivan Enterprises, LLC)

February 28, 2022

Night at the Museums*

Morton L. Mandel Conversation

FEATURED SPEAKERS: Scott Vernon Edwards (Harvard University); Jon Erlandson (University of Oregon); Matt Friedman (University of Michigan); Philip Gingerich (University of Michigan); Akito Kawahara (University of Florida); Douglas Soltis (University of Florida); Pamela Soltis (University of Florida); Victoria Sork (University of California, Los Angeles)

March 7, 2022

The Russian Invasion of Ukraine and the Future of the Global Order*

FEATURED SPEAKERS: Michael McFaul (Stanford University); Mary Elise Sarotte (Johns Hopkins University); Oxana Shevel (Tufts University); Timothy Snyder (Yale University)

April 20, 2022

What Does It Mean to be an American? Reexamining the Rights and Responsibilities of Citizenship

Jonathan F. Fanton Lecture

FEATURED SPEAKERS: E.J. Dionne Jr. (Brookings Institution); María Teresa Kumar (Voto Latino); John Shattuck (Tufts University); **MODERATOR:** Danielle Allen (Harvard University)

May 5, 2022

Talking About Democracy with Millennials and Gen Z

Cohosted with the Philanthropy for Active Civic Engagement

FEATURED SPEAKERS: Nimisha Ganesh (GenUnity); David McCullough III (The American Exchange Project); Amy McIsaac (Philanthropy for Active Civic Engagement); Manu Meel (Bridge USA); **MODERATOR:** Caroline Klibanoff (Made by Us); **INTRODUCTION:** Diana Aviv (Partnership for American Democracy); Darshan Goux (American Academy of Arts and Sciences)

May 17, 2022

Bridging Divides in America

FEATURED SPEAKERS: Andy Barr (U.S. House of Representatives); Kay Bailey Hutchison (formerly, U.S. Mission to NATO); Derek Kilmer (U.S. House of Representatives); Farah Pandith (Harvard Kennedy School; Council on Foreign Relations); Laurie Patton (Middlebury College); **MODERATOR:** Eric Liu (Citizen University)

November 2, 2022

Celebration of 2022 New Members

FEATURED SPEAKERS: Nancy C. Andrews (Boston Children's Hospital); Ann Fudge (Young and Rubicam Brands); John Lithgow (Actor, Author); David M. Rubenstein (The Carlyle Group); Deborah F. Rutter (The John F. Kennedy Center for the Performing Arts)

IN-PERSON AND HYBRID MEETINGS

CALIFORNIA

February 28, 2022

The Ida and Cecil Green Faculty Club
University of California, San Diego

San Diego Program Committee Luncheon*

October 23, 2022

The Getty Center, Los Angeles

Los Angeles Members' Reception*

FEATURED SPEAKERS: David W. Oxtoby (American Academy); Katherine E. Fleming (J. Paul Getty Trust)

October 25, 2022

The Ida and Cecil Green Faculty Club
University of California, San Diego and Virtual

San Diego Reception Featuring Barbara F. Walter*

FEATURED SPEAKER: Barbara F. Walter (University of California, San Diego); **INTRODUCTION:** M. Margaret McKeown (United States Court of Appeals, Ninth Circuit); Susan Taylor (University of California, San Diego)

COLORADO

June 13–16, 2022

Aspen, CO

American Academy Higher Education Forum at Aspen



Stephen Heintz (Rockefeller Brothers Fund), **Karen Williamson** (KEW Consulting), **Paula Giddings** (Smith College), and **Evelyn Brooks Higginbotham** (Harvard University)



Henry Louis Gates, Jr. (Harvard University) and **Paula Kerger** (Public Broadcasting Service)

ILLINOIS

October 13, 2022
The Quadrangle Club
University of Chicago

Jeffersonian Dinner: STEM Representation*

FEATURED SPEAKERS: Young-Kee Kim (University of Chicago); Nergis Mavalvala (Massachusetts Institute of Technology)

MASSACHUSETTS

November 8, 2021
House of the Academy, Cambridge, MA

Future Founders Initiative/Boston Biotech Working Group Meeting

FEATURED SPEAKERS: Sangeeta Bhatia (Massachusetts Institute of Technology); Anantha Chandrakasan (Massachusetts Institute of Technology); Chris Coburn (Mass General Brigham); Steven Knight (F-Prime Capital); **MODERATOR:** Susan Hockfield (Massachusetts Institute of Technology)

April 1, 2022
House of the Academy, Cambridge, MA, and Virtual

Honoring Henry Louis Gates, Jr.
Annual David M. Rubenstein Lecture

FEATURED SPEAKERS: Nancy C. Andrews (Boston Children’s Hospital); Henry Louis Gates, Jr. (Harvard University); Evelyn Brooks Higginbotham (Harvard University); Paula Kerger (Public Broadcasting Service); David M. Rubenstein (The Carlyle Group)

September 9, 2022
Klarman Hall
Harvard Business School, Boston, MA

Opening Celebration
Annual David M. Rubenstein Lecture

FEATURED SPEAKERS: Yo-Yo Ma (Cambridge, MA); David M. Rubenstein (The Carlyle Group)

September 10, 2022
Kresge Auditorium
Massachusetts Institute of Technology, Cambridge, MA

Induction Ceremony

FEATURED SPEAKERS (pictured left to right): Kimberlé Crenshaw (Columbia Law School; UCLA Law School); Mary Kay Henry (Service Employees International Union); Lisa Su (Advanced Micro Devices Inc.); Sanjay Gupta (Emory University; Warner Media); Patricia Limerick (University of Colorado, Boulder)



Induction 2022

The Induction events of 2022 celebrated the Academy's 240th and 241st classes of members, elected in 2020 and 2021, respectively. The events commenced Friday evening with the Annual David M. Rubenstein Lecture featuring Yo-Yo Ma. The program, at Klarman Hall at the Harvard Business School, featured a lively conversation that explored the meaning of Academy membership, the universality of music, and the importance of democracy. Members and guests then connected and reconnected at receptions in Cambridge.

Saturday morning began with an Open House at the Academy at which members and guests learned about the history of the Academy and ways to get involved in Academy activities. The afternoon Induction Ceremony at Kresge Auditorium at MIT provided new members with the opportunity to learn about the traditions of membership, hear from five class speakers and Academy leadership, and sign the Book of Members. Following the ceremony, newly inducted members celebrated with guests and one another at a reception in a tent across from Kresge.

Rubenstein Lecture



Receptions



Open House



Induction Ceremony



Celebration



MEMBER EVENTS, 2021-2022

October 3, 2022

House of the Academy, Cambridge, MA

Reimagining the American Economy

Morton L. Mandel Conversation

FEATURED SPEAKERS: Ann Fudge (Young & Rubicam Brands); Jim Himes (U.S. House of Representatives); Goodwin H. Liu (Supreme Court of California); Bryan Steil (U.S. House of Representatives)

November 15, 2022

House of the Academy, Cambridge, MA

Members' Reception

NEW YORK

June 6, 2022

The University Club, New York

DNA and Art: In Search of the Genome of Leonardo da Vinci*

FEATURED SPEAKER: Jesse Ausubel (Rockefeller University)

September 21, 2022

The Yale Club, New York

An Evening with Mary Beard*

Cohosted with Cambridge in America

FEATURED SPEAKERS: Mary Beard (University of Cambridge); Simon Goldhill (University of Cambridge)

WASHINGTON

May 17, 2022

University of Washington

Reception for Members in Seattle*

FEATURED SPEAKERS: Ana Mari Cauce (University of Washington); Patricia Ebrey (University of Washington); Edward Lazowska (University of Washington)

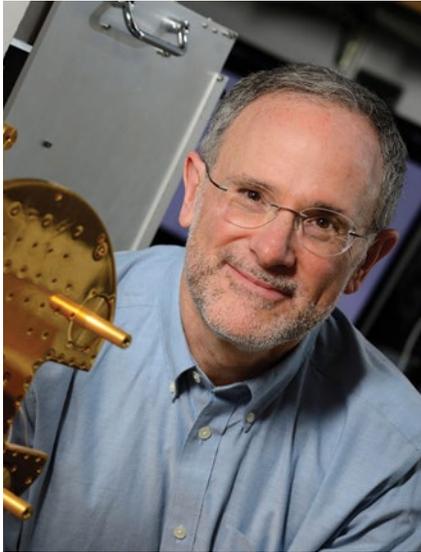


Ann Temkin (Museum of Modern Art), **Agnes Gund** (Museum of Modern Art), and **Leah Dickerman** (Museum of Modern Art)



Kenneth Wallach (center; Central National Gottesman, Inc.) with members and guests at the event on "DNA and Art."

Recent Prizes and Prizewinners



RUMFORD PRIZE

Charles L. Bennett
(Johns Hopkins University)



DISTINGUISHED LEADERSHIP AWARD

Louise Henry Bryson (Public
Media Group of Southern
California)



DISTINGUISHED LEADERSHIP AWARD

Nannerl Overholser Keohane
(Princeton University)



DISTINGUISHED LEADERSHIP AWARD

Carl H. Pforzheimer III
(Carl H. Pforzheimer and Co.)



DISTINGUISHED LEADERSHIP AWARD

David M. Rubenstein
(The Carlyle Group)



DISTINGUISHED LEADERSHIP AWARD

Diane P. Wood (U.S. Court of
Appeals, Seventh Circuit)

All Prizes

FRANCIS AMORY PRIZE

First awarded in 1940, this prize was established by a bequest made in 1912 by Francis Amory to recognize significant scientific advances in reproductive biology and medical care. Recipients of the Francis Amory Prize include Karl Sune Detlof Bergström, Eugene M. Bricker, Min Chueh Chang, Justin L. Cordonnier, Frederic B. Foley, David L. Garbers, Harry Goldblatt, Peter N. Goodfellow, Alexander Benjamin Gutman, Geoffrey Wingfield Harris, J. Hartwell Harrison, Charles Brenton Huggins, David M. Hume, Elwood Vernon Jensen, Willem Johan Kolff, Ernest Laqueur, Henry Lardy, Ruth Lehmann, Choh Hao Li, Robin H. Lovell-Badge, Mary Frances Lyon, Thaddeus R. R. Mann, Guy Frederic Marrian, Joseph Francis McCarthy, John P. Merrill, Barbara Jean Meyer, Benjamin F. Miller, Terence J. Millin, Beatrice Mintz, Carl Richard Moore, Joseph E. Murray, Warren O. Nelson, Susumu Ohno, David C. Page, George Nicholas Papanicolaou, Eugene F. Poutasse, Gertrud M. Schüpbach, George W. Thorn, Hans Henriksen Ussing, Selman Abraham Waksman, Frederick J. Wallace, Patrick C. Walsh, Lawson Wilkins, Howard Guy Williams-Ashman, Jean D. Wilson, and Hugh Hampton Young.

AWARD FOR EXCELLENCE IN PUBLIC POLICY AND PUBLIC AFFAIRS

Established in 2018, this award is presented to individuals for their distinction, independence, effectiveness, and work on behalf of the common good. The inaugural recipient of the Award for Excellence in Public Policy and Public Affairs is Ernest J. Moniz.

DISTINGUISHED LEADERSHIP AWARD

First awarded in 2016, the Distinguished Leadership Award recognizes individuals who exemplify a legacy of leadership and dedication to the founding ideals of the American Academy. Recipients of the Distinguished Leadership Award include Jonathan F. Fanton, Jerrold Meinwald, Don M. Randel, and Geraldine L. Richmond. The recipients of the 2022 Distinguished Leadership Award are Louise Henry Bryson, Nannerl Overholser Keohane, Carl H. Pforzheimer III, David M. Rubenstein, and Diane P. Wood.

EMERSON-THOREAU MEDAL

The Emerson-Thoreau Medal was established in 1958 to give special recognition to distinguished achievement in the broad field of literature. The prize is awarded to a person for their total literary achievement rather than for a specific work. Recipients of the Emerson-Thoreau Medal include Hannah Arendt, Margaret Atwood, Saul Bellow, Henry Beston, Mark Van Doren, Thomas Stearns Eliot, James T. Farrell, Robert Frost, Joseph Wood Krutch, Norman Mailer, Samuel Eliot Morison, Toni Morrison, Lewis Mumford, Katherine Anne Porter, John Crowe Ransom, I. A. Richards, Philip Roth, Robert Penn Warren, and Edmund Wilson.

FOUNDERS AWARD

Established in 2005 on the occasion of the 225th anniversary of the Academy's founding, this award honors individuals and institutions that have advanced the ideals of the Founders of the Academy. Recipients embody the spirit of the Founders: a commitment to intellectual inquiry, leadership, and active engagement. Recipients of the Founders Award include Robert J. Birgeneau, John H. Bryan, Richard J. Franke, John L. Hennessy, George Lucas, Jack Peltason, and Don M. Randel.

DON M. RANDEL AWARD FOR HUMANISTIC STUDIES

The Award for Humanistic Studies was established in 1975 by the Council of the Academy to acknowledge superior humanistic scholarship and raise its visibility with the general reading public. The award was renamed in 2017 in honor of musicologist and former Chair of the Academy's Board of Directors Don M. Randel. The award complements the Emerson-Thoreau Medal for achievement in literature. Recipients of the Award for Humanistic Studies include Meyer Abrams, Kenneth Burke, Denis Donoghue, Henry Louis Gates, Jr., Martha Craven Nussbaum, Helen Vendler, and Jean-Pierre Vernant.

RUMFORD PRIZE

Established in 1839, this is one of the oldest scientific prizes in the United States. This prize recognizes contributions to the fields of heat and light, broadly interpreted. The endowment was created by a bequest to the Academy from Benjamin Thompson, Count Rumford, in 1797. Recipients of the Rumford Prize include Charles Greeley Abbot, Edward Goodrich Acheson, John A. Ball, Ernst Bamberg, C. C. Bare, Alan H. Barrett, Carl Barus, Hans Albrecht Bethe, Ira Sprague Bowen, Edward Boyden, Percy Williams Bridgeman, Norman W. Broten, Charles Francis Brush, Bernard F. Burke, Federico Capasso, Joseph C. Carter, Subrahmanyan Chandrasekhar, R. M. Chisholm, Alfred Cho, Alvan Clark, Carry G. Clark, William Weber Coblentz, Marshall H. Cohen, William David Coolidge, Samuel Cornette Collins, Arthur Holly Compton, Karl Taylor Compton, George Henry Corliss, James Madison Crafts, Patricia P. Crowther, Charles Gordon Curtis, Hans Georg Dehmelt, Karl Deisseroth, Martin Deutsch, Robert Henry Dicke, John William Draper, Sidney D. Drell, Thomas Alva Edison, John Ericsson, George Feher, Enrico Fermi, James Franck, John A. Galt, Josiah Willard Gibbs, Herbert P. Gush, George Ellery Hale, Robert Hare, George Russell Harrison, Joseph Harrison, Jr., Edmund Newton Harvey, Peter Hegemann, Vernon Willard Hughes, Frederic Eugene Ives, Herbert E. Ives, David L. Jauncey, Joseph J. Katz, James Edward Keeler, Kenneth I. Kellerman, Willis E. Lamb, Jr., Edwin Herbert Land, Samuel Pierpont Langley, Irving Langmuir, Thomas H. Legg, Robert B. Leighton, Jack L. Locke, Frank J. Low, Theodore Lyman, John C. Mather, William David McElroy, Charles W. McLeish, Charles Edward Mees, Albert Abraham Michelson, Gero Miesenböck, Robert Mills, James M. Moran, Jr., Georg Nagel, Edward Leamington Nichols, Ernest Fox Nichols, James R. Norris, Sam Nunn, Lars Onsager, William J. Perry, Edward Charles Pickering, John Stanley Plaskett, Norman Foster Ramsey, Roger S. Richards, Alan E. E. Rogers, Bruno Rossi, Henry Augustus Rowland, Henry Norris Russell, Lewis Morris Rutherford, Maarten Schmidt, Harlow Shapley, George P. Shultz, Joel Stebbins, Elihu Thomson, Charles Hard Townes, Daniel Treadwell, Cornelis B. Van Niel, George Wald, Gregorio Weber, E. Bright Wilson, Robert Williams Wood, Chen Ning Yang, Jul Lin Yen, and Vladimir Kosma Zworykin. The recipient of the 2021 Rumford Prize is Charles L. Bennett.

SARTON AWARD FOR POETRY

Presented for the first time in 2008, the Sarton Award for Poetry recognizes emerging poets of exceptional promise and distinguished achievement. It was established by a fund created by Academy Fellow May Sarton, a poet, novelist, and teacher who encouraged the work of young poets during her lifetime. Recipients of the Sarton Award for Poetry include Arda Collins, Matthew Dickman, Dawn Lundy Martin, Meghan O'Rourke, Vanesha Pravin, and Matthew Zapruder.

SARTON PRIZE FOR THE HISTORY OF SCIENCE

Presented for the first time in 1999, the Sarton Prize for the History of Science recognizes early-career historians of science whose work demonstrates exceptional promise. It was established by a fund created by Academy Fellow May Sarton to honor the memory of her father, Academy Fellow George Sarton, a preeminent leader in the field of history of science. Recipients of the Sarton Prize for the History of Science include Melinda Baldwin, Jenny Bulstrode, and Cristina Chimisso.

SCHOLAR-PATRIOT AWARD

This award, established in 2000, recognizes the extraordinary contributions of individuals who share the commitment of the Academy's Founders, a group of patriots who devoted their lives to promoting the arts and sciences in service to the nation. Recipients of the Scholar-Patriot Award include Leo L. Beranek, Louis W. Cabot, William T. Golden, Edward M. Kennedy, Yo-Yo Ma, and Morton L. Mandel.

TALCOTT PARSONS PRIZE

First awarded in 1974, this prize was established to honor the noted sociologist and former president of the Academy. It is awarded for contributions to the social sciences, broadly defined. Recipients of the Talcott Parsons Prize include Daniel Bell, Robert Dahl, Clifford Geertz, Joseph H. Greenberg, Albert Hirschman, Daniel Kahneman, William Labov, Robert K. Merton, Joan Wallach Scott, William Julius Wilson, and C. Vann Woodward.

Members Elected in 2022, by Class & Section

A list of all active Members, arranged by Class and Section, Affiliation, or Year of Election, is available on the Academy's website at www.amacad.org/directory. IHM designates an International Honorary Member.

CLASS I Mathematical and Physical Sciences

SECTION 1: Mathematics, Applied Mathematics, and Statistics

Bezrukavnikov, Roman
Massachusetts Institute
of Technology

Daskalopoulos, Panagiota
Columbia University

Gangbo, Wilfrid
University of California,
Los Angeles

Guionnet, Alice (IHM)
Ecole Normale Supérieure
de Lyon

Hida, Haruzo
University of California,
Los Angeles

Kisin, Mark
Harvard University

Mazzeo, Rafe
Stanford University

Szemerédi, Endre
Rutgers, The State University
of New Jersey

Voisin, Claire (IHM)
Centre National de la
Recherche Scientifique

Wu, Sijue
University of Michigan

SECTION 2: Physics

Baker, Oliver Keith
Yale University

Kachru, Shamit
Stanford University

Kotliar, Gabriel
Rutgers, The State University
of New Jersey

Lanzara, Alessandra
University of California,
Berkeley

Littlewood, Peter B.
University of Chicago

Ramesh, Ramamoorthy
Rice University

Solla, Sara A.
Northwestern University

Stachel, Johanna (IHM)
Heidelberg University

SECTION 3: Chemistry

Broderick, Joan B.
Montana State University

Gouverneur, Véronique (IHM)
University of Oxford

Myers, Andrew G.
Harvard University

Raines, Ronald T.
Massachusetts Institute
of Technology

Sessler, Jonathan L.
University of Texas at Austin

Shea, Joan-Emma
University of California,
Santa Barbara

Stahl, Shannon S.
University of
Wisconsin-Madison

Yaghi, Omar M.
University of California,
Berkeley

SECTION 4: Astronomy, Astrophysics, and Earth Sciences

Bullard, Robert D.
Texas Southern University

Dougherty, Michele (IHM)
Imperial College London

Foufoula-Georgiou, Efi
University of California,
Irvine

Johnson, Catherine L.
University of British
Columbia

Kewley, Lisa (IHM)
The Center for Astrophysics,
Harvard & Smithsonian

Moseley, S. Harvey
Quantum Circuits, Inc.

Trimble, Virginia L.
University of California,
Irvine

Walker, Richard J.
University of Maryland

Zaldarriaga, Matias
Institute for Advanced Study

SECTION 5: Engineering and Technology

Adjiman, Claire (IHM)
Imperial College London

Bizios, Rena
University of Texas
at San Antonio

Calderbank, Robert
Duke University

Ceder, Gerbrand
University of California,
Berkeley

Doherty, Michael F.
University of California,
Santa Barbara

Elisseeff, Jennifer
Johns Hopkins University

Kotov, Nicholas A.
University of Michigan

Lee, Raphael C.
University of Chicago
Pritzker School of Molecular
Engineering

Martin, Georges P. (IHM)
French Atomic Energy
Commission

Moses, Marsha A.
Harvard Medical School

Pyrak-Nolte, Laura J.
Purdue University

Santiago, Juan G.
Stanford University

Shah, Nilay (IHM)
Imperial College London

Sottos, Nancy R.
University of Illinois
at Urbana-Champaign

SECTION 6: Computer Sciences

Asakawa, Chieko (IHM)
IBM Research

Barroso, Luiz André
Google LLC

Barzilay, Regina
Massachusetts Institute
of Technology

Croak, Marian R.
Google LLC

Howard, Ayanna M.
The Ohio State University

Katabi, Dina
Massachusetts Institute
of Technology

Olukotun, Oyekunle
Stanford University

Shamir, Adi (IHM)
Weizmann Institute
of Science

Valiant, Leslie G.
Harvard John A. Paulson
School of Engineering and
Applied Sciences

Varghese, George
University of California,
Los Angeles

CLASS II Biological Sciences

SECTION 1: Biochemistry, Biophysics, and Molecular Biology

Carragher, Bridget O.
New York Structural
Biology Center

Carrasco, Nancy
Vanderbilt University

Garcia-Blanco, Mariano A.
University of Texas Medical
Branch at Galveston

Goldman, Yale E.
University of Pennsylvania
Perelman School of
Medicine

Hegemann, Peter (IHM)
Humboldt-Universität zu
Berlin

Karikó, Katalin
BioNTech

Klevit, Rachel E.
University of Washington

Kruglyak, Leonid
University of California,
Los Angeles

Mayo, Stephen Leon
California Institute
of Technology

Rao, Zihé (IHM)
Tsinghua University

SECTION 2: Cellular and Developmental Biology

Boone, Charles M. (IHM)
University of Toronto

Desai, Arshad
University of California,
San Diego

Heald, Rebecca W.
University of California,
Berkeley

Henikoff, Steven
Fred Hutchinson Cancer
Center

Malik, Harmit Singh
Fred Hutchinson Cancer
Center

Martienssen, Robert A.
Cold Spring Harbor
Laboratory

Oegema, Karen
University of California,
San Diego

Ronald, Pamela C.
University of California,
Davis

**van Oudenaarden,
Alexander** (IHM)
Royal Netherlands Academy
of Arts & Sciences

SECTION 3: Neurosciences

Alberini, Cristina M.
New York University

Fee, Michale S.
Massachusetts Institute
of Technology

Gu, Chenghua
Harvard Medical School

Huang, Z. Josh
Duke University
School of Medicine

Ivry, Richard
University of California,
Berkeley

Kastner, Sabine
Princeton University

Narins, Peter M.
University of California,
Los Angeles

Ulanovsky, Nachum (IHM)
Weizmann Institute
of Science

SECTION 4: Evolution and Ecology

**Briscoe, Adriana Darielle
Mejía**
University of California,
Irvine

Delph, Lynda F.
Indiana University

Dickman, Christopher R.
(IHM)
University of Sydney

Hay, Mark E.
Georgia Institute
of Technology

Jackson, Robert B.
Stanford University

Loiselle, Bette A.
University of Florida

Magallón Puebla, Susana A.
(IHM)
Universidad Nacional
Autónoma de México

Pandit, Maharaj K. (IHM)
O.P. Jindal Global University

Rubenstein, Daniel I.
Princeton University

Shaffer, H. Bradley
University of California,
Los Angeles

Van Valkenburgh, Blaire
University of California,
Los Angeles

SECTION 5: Medical Sciences

Bibbins-Domingo, Kirsten B.
University of California,
San Francisco School
of Medicine

del Rio, Carlos
Emory University
School of Medicine

Meyerson, Matthew L.
Harvard Medical School

Regev, Aviv
Genentech, Inc.

Stevens, Molly M. (IHM)
Imperial College London

Temmerman, Marleen (IHM)
Aga Khan University

Ting, Jenny P.
University of North Carolina
School of Medicine

Vergheze, Abraham C.
Stanford University
School of Medicine

Weissman, Drew
University of Pennsylvania
Perelman School of
Medicine

MEMBERS ELECTED IN 2022, BY CLASS & SECTION

SECTION 6: Microbiology and Immunology

Baric, Ralph S.
UNC Gillings School of
Global Public Health

Carrington, Mary N.
National Cancer Institute

Freeman, Gordon J.
Harvard Medical School

Groisman, Eduardo A.
Yale School of Medicine

Harwood, Caroline S.
University of Washington
School of Medicine

Medzhitov, Ruslan
Yale School of Medicine

Weller, Sandra K.
University of Connecticut
School of Medicine

CLASS III Social and Behavioral Sciences

SECTION 1: Psychological Sciences

Caspi, Avshalom
Duke University

Cohen, Jonathan D.
Princeton University

Ellemers, Naomi (IHM)
Utrecht University

Gross, James
Stanford University

McLoyd, Vonnie
University of Michigan

Moffitt, Terrie E.
Duke University

Saxe, Rebecca R.
Massachusetts Institute
of Technology

SECTION 2: Economics

Abadie, Alberto
Massachusetts Institute
of Technology

Carlin, Wendy (IHM)
University College London

Honoré, Bo E.
Princeton University

Lundberg, Shelly
University of California,
Santa Barbara

Pande, Rohini
Yale University

Rossi-Hansberg, Esteban
University of Chicago

Steinsson, Jón
University of California,
Berkeley

Tamer, Elie
Harvard University

SECTION 3: Political Science

Bermeo, Nancy
Princeton University

Berry, Christopher R.
University of Chicago

Brown, Wendy L.
Institute for Advanced Study

Chenoweth, Erica
Harvard Kennedy School

della Porta, Donatella (IHM)
Scuola Normale Superiore

Gray, Virginia H.
University of North Carolina
at Chapel Hill

Han, Hahrie C.
Johns Hopkins University

Lovenduski, Joni (IHM)
University of London

Mahoney, James L.
Northwestern University

Sambanis, Nicholas
University of Pennsylvania

SECTION 4: Law

Brooks, Richard R. W.
New York University
School of Law

Charles, Guy-Uriel E.
Harvard Law School

Driver, Justin
Yale Law School

Edelman, Lauren
University of California,
Berkeley, School of Law

Fineman, Martha Albertson
Emory University
School of Law

Gordon, Robert W.
Stanford Law School

Roberts, Dorothy E.
University of Pennsylvania
Carey Law School

SECTION 5: Anthropology and Archaeology

Arroyo, Bárbara (IHM)
Museo Popol Vuh,
Universidad Francisco
Marroquín

**Bribiescas, Richard
Gutierrez**
Yale University

Cosmopoulos, Michael B.
University of Missouri-
St. Louis

Di Fiore, Anthony
University of Texas at Austin

Li, Shuicheng (IHM)
Sichuan University

Lopez Lujan, Leonardo (IHM)
Instituto Nacional de
Antropología e Historia

**Matos Moctezuma, Eduardo
(IHM)**
Instituto Nacional de
Antropología e Historia

Prentiss, Anna Marie
University of Montana

Schieffelin, Bambi B.
New York University

Ungar, Peter S.
University of Arkansas

Vélez-Ibáñez, Carlos G.
Arizona State University

SECTION 6: Sociology, Demography, and Geography

Agnew, John A.
University of California,
Los Angeles

Collins, Patricia Hill
University of Maryland

Crimmins, Eileen M.
University of Southern
California

DiPrete, Thomas A.
Columbia University

**Duyvendak, Jan Willem
(IHM)**
University of Amsterdam

Griswold, Wendy
Northwestern University

Lee, Jennifer
Columbia University

Seto, Karen C.
Yale University

Zhou, Min
University of California,
Los Angeles

SECTION 7: Education

Allen, Walter R.
University of California,
Los Angeles

Cohn, Carl A.
Claremont Graduate
University

Dynarski, Susan M.
Harvard Graduate School
of Education

Gándara, Patricia C.
University of California,
Los Angeles

Jackson, C. Kirabo
Northwestern University

Kotzin, Diana Slaughter
University of Pennsylvania

Tate IV, William F.
Louisiana State University

Wilson, Suzanne M.
University of Connecticut

CLASS IV Humanities and Arts

SECTION 1: Philosophy

Barrett, Jeffrey A.
University of California,
Irvine

Lloyd, Elisabeth A.
Indiana University

McMahan, Jefferson A.
University of Oxford

Roessler, Beate (IHM)
University of Amsterdam

Scribano, M. Emanuela (IHM)
Ca' Foscari University

Sherman, Nancy
Georgetown University

Zagzebski, Linda Trinkaus
University of Oklahoma

SECTION 2: History

Beckert, Sven
Harvard University

Bell, David A.
Princeton University

Ko, Dorothy Y.
Barnard College

Ngai, Mae
Columbia University

O'Brien, Jean M.
University of Minnesota

Richardson, Heather Cox
Boston College

Todorova, Maria
University of Illinois
at Urbana-Champaign

SECTION 3: Literature and Language Studies

Bordo, Susan Rebecca
University of Kentucky

Chung, Sandra
University of California,
Santa Cruz

de Bolla, Peter L. (IHM)
University of Cambridge

Hartman, Saidiya
Columbia University

Huysen, Andreas
Columbia University

Moten, Fred
New York University

Ngai, Sianne
University of Chicago

Zentella, Ana Celia
University of California,
San Diego

SECTION 4: Literature

Letts, Tracy S.
Chicago, Illinois

Li, Yiyun
Princeton, New Jersey

Mattawa, Khaled
Ann Arbor, Michigan

Reed, Ishmael Scott
Emeryville, California

Rushdie, A. Salman
New York, New York

Smith, Patricia
College of Staten Island,
City University of New York

Wilner, Eleanor
Philadelphia, Pennsylvania

SECTION 5: Visual Arts

Blau, Eve
Harvard University Graduate
School of Design

Blier, Suzanne Preston
Harvard University

Fernández, Teresita
Brooklyn, New York

Gilliam, Sam (*deceased*)
Washington, D.C.

Jackson, Suzanne
Savannah, Georgia

Mann, Sally
Lexington, Virginia

Mukherjee, Sabyasachi (IHM)
Chhatrapati Shivaji Maharaj
Vastu Sangrahalaya

Neer, Richard
University of Chicago

Thomas, Hank Willis
Brooklyn, New York

SECTION 6: Performing Arts

Abbate, Carolyn
Harvard University

Abraham, Kyle
A.I.M

Carlson, Marvin A.
CUNY Graduate Center

Close, Glenn
Bozeman, Montana

Eustis, Oskar
The Public Theater

Giddens, Rhiannon
Pine Brook, New Jersey

Gutierrez, Miguel
Brooklyn, New York

Joseph, Marc Bamuthi
John F. Kennedy Center
for the Performing Arts

Moran, Jason J.
Boston, Massachusetts

Sainte-Marie, Buffy
Kapaa, Hawaii

Thompson, Kevin (IHM)
University of Macau

SECTION 7: Religious Studies

Choksy, Jamsheed K.
Indiana University

Feldhaus, Anne
Arizona State University

Kadi, Wadad
University of Chicago

VanderKam, James C.
University of Notre Dame

Venkatesan, Archana
University of California,
Davis

CLASS V Leadership, Policy, and Communications

SECTION 1: Journalism, Media, and Communications

Klibanoff, Hank
Emory University

Morris, Wesley
The New York Times

Rosenthal, Elisabeth
Kaiser Health News

Scheufele, Dietram A.
University of Wisconsin-
Madison

SECTION 2: Business, Corporate, and Philanthropic Leadership

Baker, W. Mitchell
Mozilla Corporation

Conde, Cesar R.
NBCUniversal News Group

Grain, David J.
Grain Management, LLC

Marks, Howard S.
Oaktree Capital
Management

Moyo, Dambisa F.
Versaca Investments

Palandjian, Tracy P.
Social Finance

Sweeney, Anne Marie
BUA Ventures, Inc.

MEMBERS ELECTED IN 2022, BY CLASS & SECTION

SECTION 3: Educational and Academic Leadership

Gay, Claudine
Harvard University

Marwala, Tshilidzi (IHM)
University of Johannesburg

McBride, Dwight A.
The New School

Ono, Santa J.
University of Michigan

Pollack, Martha E.
Cornell University

Stanley, Jr., Samuel L.
Michigan State University

Wilson, David K. Kwabena
Morgan State University

SECTION 4: Public Affairs and Public Policy

**Abreu, Alice Rangel de
Paiva** (IHM)
Federal University
of Rio de Janeiro

Allen, John Rutherford
Brookings Institution

Glied, Sherry
New York University

Jones, Camara Phyllis
Morehouse School
of Medicine

Lew, Jacob
Lindsay Goldberg, LLC

Lyons, Oren
Haudenosaunee
Confederacy

Pastor, Manuel
University of
Southern California

Relman, David
Stanford University
School of Medicine

SECTION 5: Scientific, Cultural, and Nonprofit Leadership

Ajmera, Maya
Society for Science

Foege, William H.
Emory University Rollins
School of Public Health

Grossman, Robert I.
New York University

Harris, Bernard A.
National Math + Science
Initiative

Medvedow, Jill
Institute of
Contemporary Art

Pape, Jean William
Weill Cornell Medicine

Richard, Alison F.
Yale University

In 2022, the following
individuals became
inactive members of
the Academy:

Francisco Jose Ayala

William H. Cosby, Jr.

Geoffrey W. Marcy

Sheldon I. Pollock

DECEASED MEMBERS

Notice received through October 20, 2022

Frederick Henry Abernathy
Walter Abish
Madeleine Korbel Albright
Christopher Wolfgang
 John Alexander
Sidney Altman
Roger Angell
W. Gerald Austen
Elizabeth Ellery Bailey
Denis Aristide Baylor
Aaron T. Beck
Leo Bersani
Robert E. Bly
Peter Stephen Paul Brook
Edgar H. Brown, Jr.
Jonathan Brown
Robert Alan Buhrman
Maurice B. Burg
Walter Dean Burnham
Marc G. Caron
Donald L. D. Caspar
John M. Cooper
E. Gerald Corrigan
David Roxbee Cox
Robert Floyd Curl, Jr.
Frank Anthony D'Accone
Walter E. Dellinger
Charles Dempsey
Joan Didion
Frank Donald Drake
Jacques H. Drèze
Richard Slator Dunn
Louis Dupré

John Huxtable Elliott
David Albert Evans
Eli N. Evans
Paul Edward Farmer
Michael Ellis Fisher
Richard James Franke
Hans Emil Frauenfelder
Marion R. Fremont-Smith
C. W. Gear
Tim Giago
Sam Gilliam
Ian Michael Glynn
Avram Jacob Goldberg
Kurt Gottfried
François Gros
Robert H. Grubbs
Donald A. Gurnett
Joel F. Handler
Richard Herr
Christopher Hogg
Nick Holonyak, Jr.
Maureen Howard
Richard Joseph Howard
Leslie Lars Iversen
Robert Jervis
Edward Crosby Johnson III
Yale Kamisar
Edmund Keeley
Thomas Kinsella
Bruno Latour
Richard Erskine Leakey
Ho-Wang Lee
Assar Lindbeck

Thomas Eugene Lovejoy
Akin Ladipo Mabogunje
Leo Marx
David G. McCullough
Sara McLanahan
Beatrice Mintz
Joel Moses
Ben Roy Mottelson
Eldon Henry Newcomb
Peter Nicholas
Claes Thure Oldenburg
John W. O'Malley
Eugene Newman Parker
Aron Pinczuk
Sidney Poitier
James Stewart Polshak
Joanna Semel Rose
Leon Emanuel Rosenberg
Frances McCall Rosenbluth
Howard Lewis Rosenthal
Terrance Sandalow
David Schmeidler
Maarten Schmidt
Michael Sela
Jonathan Dermot Spence
Andrew Streitwieser, Jr.
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of the American Academy
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Bulletin Fall 2022 • Volume LXXVI, No. 1
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The *Bulletin of the American Academy of Arts & Sciences* (ISSN 0002-712X) is published quarterly by the American Academy of Arts & Sciences, 136 Irving Street, Cambridge, MA 02138. Periodicals rate postage paid at Boston, MA, and at additional mailing offices. Postmaster: Send address changes to *Bulletin*, American Academy of Arts & Sciences, 136 Irving Street, Cambridge, MA 02138.

The views expressed in the *Bulletin* are those held by each contributor and are not necessarily those of the Board of Directors and Members of the American Academy of Arts & Sciences.

AMERICAN ACADEMY OF ARTS & SCIENCES
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