

Academy Inducts 230th Class of Members



John Lithgow (Los Angeles, California) and Mary Yeager (UCLA), after reading from the letters of John and Abigail Adams

The American Academy of Arts and Sciences inducted 228 distinguished scholars, artists, and institutional and public leaders on Saturday, October 9, 2010. Among the new members are winners of the Nobel, Shaw, and Pulitzer prizes; recipients of MacArthur and Guggenheim fellowships; and winners of Academy, Grammy, Tony, and Emmy awards.

“The men and women we elect today are true pathbreakers who have made unique contributions to their fields and to the world,” said Academy Chair Louis W. Cabot. “The Academy honors them and their work, and they, in turn, honor us.”

The 2010 Induction weekend began with an evening celebration of the arts and the humanities and included a reading from the letters of John and Abigail Adams by new Fellow John Lithgow, actor, author, and recording artist, and his wife, Mary Yeager, professor of history at the University of California, Los

Angeles. Lithgow introduced the letters with an impassioned appeal for the support of the humanities: “No nation, no matter how vulnerable or embattled, no matter how much its health is in jeopardy, can afford to turn its back on the arts. In fact, those are the moments when the arts are the most vital, the most important, and the most in need of support.”

The evening celebration of the arts and the humanities also featured musical performances. Conductor, pianist, and Fellow Dennis Russell Davies and

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Top: Liev Schreiber '10 (New York, NY); Middle: Alan Alda '06 (New York, NY) and James Leach '10 (National Endowment for the Humanities); Bottom: Council Cochairs Gerald Early (Washington University in St. Louis) and Neal Lane (Rice University)



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pianist **Maki Namekawa** performed “Four Movements for Two Pianos” written by Fellow Philip Glass. Violinist and new Fellow **Arnold Steinhardt**, accompanied by pianist Maki Namekawa, performed Mendelssohn’s “Sonata for Violin and Piano in F major” (movement 2).

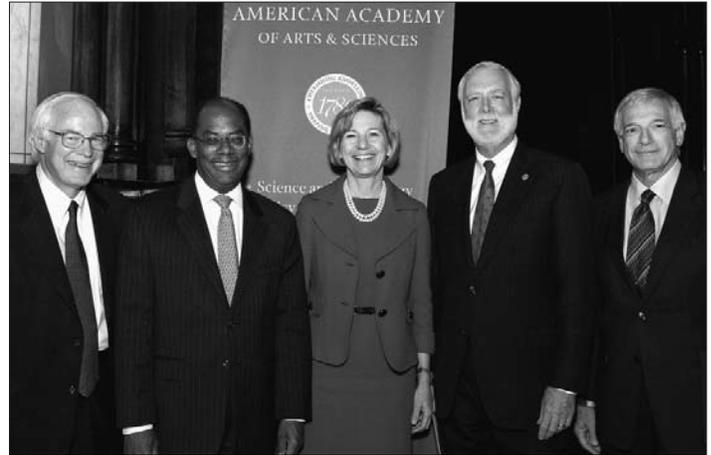
The program also included readings by new Fellows **Henri Cole**, poet and Professor of English at Ohio State University, and **Marilyn Robinson**, novelist and professor at the Writers’ Workshop at the University of Iowa, as well as by longtime Fellow **Denis Donoghue**, University Professor and Henry James Professor of English and American Letters at New York University, who discussed “The Blue Swallows” written by the late Fellow Howard Nemerov.

During the Induction Ceremony, actor, director, screenwriter, and new Fellow **Liev Schreiber** read a selection of acceptance letters written by Academy members George Washington, Thomas Jefferson, Alexander Hamilton, John Stuart Mill, Martin Luther King, Jr., and Mary Leakey. The ceremony also included presentations by five new members. **G. Wayne Clough**, Secretary of the Smithsonian Institution, spoke on the need for improved scientific literacy; **Susan Desmond-Hellmann**, Chancellor of the University of California, San Francisco, discussed translating scientific breakthroughs for clinical gains; **Robert L. Gallucci**, President of the John D. and Catherine T. MacArthur Foundation, spoke about the benefits of an interdisciplinary approach to problem-solving; **James Leach**, Chairman of the National Endowment for the Humanities, alerted members to the looming crisis in the humanities; and **Roger W. Ferguson, Jr.**, President and Chief Executive Officer of TIAA-CREF, explained how business should serve society.

In his address, **Robert Gallucci** shared his vision for America: “America and the world face challenges that demand our best intellectual efforts. My aspiration is for shared intelligence, an ongoing exchange between our best conceptual thinkers, sharpest researchers, and most accomplished policy-makers.”

Susan Desmond-Hellmann spoke about the challenges to improving human health: “Our goal of improving human health cannot be achieved solely through disease prevention. We must do everything we can to capitalize on the ongoing explosion of scientific knowledge in order to innovate and, ultimately, to decrease pain and suffering.”

The Induction weekend concluded with a program on Technology and the Public Good. **Lee C. Bollinger**, President of Columbia University, gave a keynote address on “A Free Press for a Global Society.” He noted: “The world is undergoing momentous changes through the forces of globalization. We need a free press that is suitable to this new world. To achieve that goal, we must change our basic concepts and develop our laws and policies to deal with



James Leach (National Endowment for the Humanities), **Roger Ferguson, Jr.** (TIAA-CREF), **Susan Desmond-Hellmann** (University of California, San Francisco), **G. Wayne Clough** (Smithsonian Institution), and **Robert Gallucci** (John D. and Catherine T. MacArthur Foundation)



Henri Cole (Ohio State University), **Marilyn Robinson** (University of Iowa), and **Denis Donoghue** (New York University)



Maki Namekawa and **Dennis Russell Davies '09** (Bruckner Orchestra Linz and the Linz Opera; Basel Symphony Orchestra)



Lee C. Bollinger (Columbia University) and Leslie Berlowitz



Panel on Technology and Culture: Robert Darnton (Harvard University), David Ferriero (U.S. National Archives and Records Administration), Marjorie Scardino (Pearson PLC), and Paul Sagan (Akamai Technologies)



Panel on Cybersecurity and the Cloud: Raymond Ozzie (Microsoft Corporation), Vinton Cerf (Google Inc.), Tom Leighton (MIT and Akamai Technologies), and Richard Hale (U.S. Department of Defense)

the serious issues of access, censorship, and the capacity of the press to provide the information we need. Only then can the press do its part to help shape a world that will work for ends we believe in.”

Bollinger’s address was followed by two panel discussions on technology. Fellow Paul Sagan, Chief Executive Officer of Akamai Technologies, moderated a conversation on “Technology and Culture,” which included presentations by Fellow Robert Darnton, Carl H. Pforzheimer University Professor at Harvard University and Director of the Harvard University Library, new Fellow David Ferriero, Archivist of the United States, and new Fellow Marjorie Scardino, Chief Executive of Pearson PLC.

Tom Leighton, Professor of Applied Mathematics at MIT, Co-founder and Chief Scientist at Akamai Technologies, and member of the Academy Trust, moderated the second panel discussion on “Cybersecurity and the Cloud.” The panelists included Fellow Vinton Cerf, Vice President and Chief Internet Evangelist at Google Inc., new Fellow Raymond Ozzie, Chief Software Architect at Microsoft Corporation, and Richard Hale, Chief Information Assurance Executive at the Defense Information Systems Agency at the U.S. Department of Defense.

Speaking on personal privacy and security on the Internet, Cerf said, “We are now in an environment where security is hard to come by and privacy is equally beleaguered. . . . In the end, I think we all have discovered that it is still the individual computer or programmed component that has to defend itself, because you can walk around the firewall with a virus-infected USB memory stick and thereby infect the interior of what should have been a protected perimeter. I think we have to build much more robust and resistant systems that are capable of protecting machines and their content. We cannot rely strictly on any external defense that is not implicit in the design of the devices themselves or their software.”

Moving from the discussion of individual to corporate security, Ozzie noted: “Our entire infrastructure is under constant attack by a number of different classes of actor; that is something we just have to deal with as the nature of the environment. We cannot delude ourselves into thinking that we can achieve perfection, and we will have to find ways to channel resources systematically to keep the threat level down and to rally together to address emergencies as they come along.”

Video highlights of the 2010 Induction weekend are available on the Academy’s website at <http://www.amacad.org/events/Induction2010>. ■



Top: Andrea Bertozzi '10 (University of California, Los Angeles) and Laurence Senelick '10 (Tufts University); Howard Fields '10 (University of California, San Francisco) and Ronald Hoy '10 (Cornell University); Bottom: Martin Gruebele '10 (University of Illinois at Urbana-Champaign), Yitzhak Apeloig '10 (Technion-Israel Institute of Technology), William Goddard III '10 (California Institute of Technology), Samuel Gellman '10 (University of Wisconsin-Madison), Joseph Francisco '10 (Purdue University; American Chemical Society), Jerrold Meinwald '70 (Cornell University)



Top: Louise Bryson '10 (J. Paul Getty Trust) and James Jackson '10 (University of Michigan); Bruce Walker '10 (Harvard Medical School; Massachusetts General Hospital) and Brian Stock '10 (University of Toronto); Middle: Robert Darnton '80 (Harvard University), Carl Pforzheimer '02 (Carl H. Pforzheimer and Co.), and David Ferriero '10 (U.S. National Archives and Records Administration); Joseph Polisi '09 (The Juilliard School) and David Robertson '10 (St. Louis Symphony Orchestra); Bottom: Christiane Amanpour '10 (ABC News) and David Brooks '10 (New York Times Company); Arnold Steinhardt '10 (New York, NY)