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Education:

Ph.D., Cornell University (Johnson Graduate School of Management), 1969. Major advisors: Paul P. Van Riper, A. M. Hillhouse, and Clinton Rossiter.

M.A., University of Washington (Department of Political Science; Graduate School of Public Affairs), 1965. Major advisors: George Shipman, Hugh Bone, and William Harbolt.

B.A., University of Washington (Department of Political Science), 1962; Oregon State University (Departments of Chemistry and Political Science), 1959 to 1961.

Teaching and Scholarly Experience:

Professor of Public Affairs (tenured), Chair, Department of Public Administration and Policy; The American University, present.

Charles A. Lindbergh Chair in Aerospace History, Smithsonian Institution, 1998-99.

Affiliate Professor, Daniel J. Evans School of Public Affairs, University of Washington, 1995-96, 2006, 2009-2011.

Visiting Professor, Public Administration, Lewis and Clark College, Summer 1983.

Fulbright-Hays Lecturer, Department of Political and Administrative Studies, University of Zambia, 1978.

Visiting Scholar, Kenya National Parks, 1975.

Scholarly and Teaching Awards

Distinguished Research Award, American Society for Public Administration/National Association of Schools of Public Affairs and Administration, 2001.

Faculty Award for Outstanding Scholarship, Research, and Other Professional Contributions, American University, 2001.

Eugene M. Emme Astronautical Literature Award, American Astronautical Society, for *Space and the American Imagination*, 1999.

Teaching Excellence Award, University of Washington, Graduate School of Public Affairs (voted annually by the students for the best teacher in the school), 1995-96.

Henry Adams prize from the Society for History in the Federal Government, for *Inside NASA: High Technology and Organizational Change in the U.S. Space Program*, 1993.

Laverne Burchfield Award from the American Society for Public Administration for the most meritorious book review essay in the *Public Administration Review*, 1982.

Recipient of three additional awards for outstanding teaching.

Publications:

Books in print:

Space and the American Imagination. Washington: Smithsonian Institution Press, 1997. (Winner of the Eugene M. Emme Astronautical Literature Award.) Second edition. Baltimore: Johns Hopkins University Press, 2011.

Robots in Space: Technology, Evolution, and Interplanetary Travel, with Roger D. Launius. Baltimore: Johns Hopkins University Press, 2008.

Revisiting Waldo's Administrative State: Constancy and Change in Public Administration, with David Rosenbloom (coeditor). Washington: Georgetown University Press, 2006.

Faster, Better, Cheaper: Low-Cost Innovation in the U.S. Space Program. Baltimore: Johns Hopkins University Press, 2001.

Imagining Space: Achievements-Predictions-Possibilities, 1950-2050, with Roger D. Launius. San Francisco: Chronicle Books, 2001.

Space Flight and the Myth of Presidential Leadership, with Roger Launius (coeditor). Urbana: University of Illinois Press, 1997.

Inside NASA: High Technology and Organizational Change in the U.S. Space Program. Baltimore: Johns Hopkins University Press, 1993. (Winner of the Henry Adams Prize.)

The Space Station Decision: Incremental Politics and Technological Choice. Baltimore: Johns Hopkins University Press, 1990. (Selected by *Choice* magazine as one of the "Outstanding Academic Books" in 1991.)

Public Administration: A Bibliographic Guide to the Literature. New York: Marcel Dekker, 1986; *Public Administration: A Bibliographic Guide to the Literature*. Washington: College of Public Affairs Publications, 1972.

Public Administration: A Synthesis. Menlo Park, CA: Benjamin/Cummings, 1977.

Journal Articles and Book Chapters

"Can Government Organizations Learn and Change?" Book review essay. *Public Administration Review* 71 (March/April 2011) 316-319.

"Redistricting Wars," in George Scott, ed., *Turning Points in Washington's Public Life* (Colum, CA: Civitaspress, 2011) 219-245.

"Inside NASA at 50: Historical Perspectives," in Steven J. Dick, ed., *NASA's First 50 Years: Historical Perspectives* (Washington, D.C.: Government Printing Office, 2010) 11-29.

"Popularization of Science," in Stephen B. Johnson, ed., *Space Exploration and Humanity: A Historical Encyclopedia* (Santa Barbara, CA: ABC-CLIO, 2010).

"The Race to the Moon: Imagination and Politics as Shaping Forces in Space Policy," in Paul G. Gillespie and Grant T. Weller, *Harnessing the Heavens: National Defense Through Space* (Chicago: Imprint Publications, 2008).

"Robots and humans in space flight: Technology, evolution, and interplanetary travel," with Roger D. Launius, *Technology in Society* 29 (2007) 271-82.

"Has Spaceflight Had an Impact on Society? An Interpretative Framework," in Steven J. Dick and Roger D. Launius, eds. *Societal Impact of Spaceflight* (Washington: NASA SP-2007-4801, 2007) 3-16.

"Observations on the Robotic Versus Human Issue in Spaceflight," in Steven J. Dick and Roger D. Launius, eds., *Critical Issues in the History of Spaceflight* (Washington: NASA SP-2006-4702, 2006) 77-106.

"Vision and Leadership: the View from Science Fiction," *Public Integrity* 8 (Spring, 2006).

"Introduction: Dwight Waldo's *The Administrative State*" (with David H. Rosenbloom), pp 1 – 14; "The Cultural and Ideological Background," pp. 35 – 53; "Conclusion: Additional Notes on the Present Tendencies," (with David H. Rosenbloom) 203 – 216; all in Rosenbloom and McCurdy, eds., *Revisiting Waldo's Administrative State: Constancy and Change in Public Administration*, (Washington: Georgetown University Press, 2006).

"Returning to the Moon Will Transform NASA," in Rick N. Tumlinson, ed., *Return to the Moon*. Burlington, Ontario, Canada: Apogee Books, 2005.

"Bureaucracy and the Space Program" in *Space Politics and Policy: An Evolutionary Perspective*, ed. By Eligar Sadeh. Dordrecht, Netherlands: Kluwer, 2003, pp. 105-28.

"From Vision to Reality," in W. Henry Lambright, ed. *Space Policy in the Twenty-First Century*. Baltimore: Johns Hopkins University Press, 2002.

"Daniel S. Goldin's legacy at NASA," *Space Policy* 18 (2002) 95-97.

"Challenging the Conventions of Science Fiction: The Design of the International Space Station," in John Zukowsky, ed., *2001: Building for Space Travel*. New York: Harry N. Abrams, 2001.

"The Failure of Market Failure," with Richard O. Zerbe, Jr. *Journal of Policy Analysis and Management* 18 (No. 4, 1999) 558-78. "The End of Market Failure," with Richard O. Zerbe, Jr. *Regulation* 23 (No. 2, 2000) 10-14.

"Spending Without Results: Lessons from the Space Station Program," with John J. Madison, *Space Policy* 15 (1999) 213-21.

"The Imperial Presidency in the History of Space Exploration," and "Beyond NASA Exceptionalism," in Roger D. Launius and Howard E. McCurdy, eds., *Spaceflight and the Myth of Presidential Leadership*. Urbana: University of Illinois Press, 1997, pp. 1-14, 221-50.

"Fiction and Imagination: How They Affect Public Administration," *Public Administration Review* 55 (November-December 1995) 499-506.

"Organizing for Space: The Popular Culture of the Cold War," in Roger Launius, ed., *Organizing for the Use of Space*, AAS History Series, vol. 18. San Diego: American Astronautical Society, 1995.

"The Costing Models of the Early 1970s and the Launching of the Space Shuttle Program," in Emmanuel Chadeau, ed., *L'Ambition Technologique: Naissance d'Ariane*. Paris: Istitut d'Histoire de l'Industrie, 1995.

"Public Policy and Popular Imagination," in Charles T. Goodsell and Nancy Murray (eds.), *Public Administration Illuminated and Inspired by the Arts*. Westport, CT: Praeger, 1995, pp. 178-88.

"The Cost of Space Flight," *Space Policy* 10 (November 1994) 277-89.

"Where Space Begins: Politics, Presidents, and Congress," in Martin J. Collins and Sylvia K. Kraemer, eds., *Space: Discovery and Exploration*. Washington: The Smithsonian Institution, 1993.

"NASA's Organizational Culture," *Public Administration Review* 52 (March/April 1992) 189-192.

"Organizational Decline: NASA and the Life Cycle of Bureaus," *Public Administration Review* 51 (July/August 1991) 308-315.

"The Space Station Decision: Politics, Bureaucracy, and the Making of Public Policy," in Martin Collins and Sylvia Fries, eds., *A Spacefaring Nation: Perspectives on American Flight and Space History*, Washington: Smithsonian Institution Press, 1991), 9-28.

"The Decay of NASA's Technical Culture," *Space Policy*. (November 1989) 301-310.

"The Decision to Build the Space Station," *Space Policy* (November 1988) 297-306.

"Administration in Fiction," in Ralph C. Chandler, ed., *A Centennial History of the American Administrative State*. New York: Macmillian Publishing Co., 1987.

"Environmental Protection and the New Federalism: The Sagebrush Rebellion and Beyond," in Sheldon Kamieniecki, Robert O'Brien, and Michael Clarke, eds., *Controversies in Environmental Policy*. Albany: State University of New York Press, 1986.

"Confidence in Government," in Robert E. Cleary, ed., *The Role of Government in the United States*. Lanham, Maryland: University Press of America, 1985.

"Why Can't We Resolve the Research Problem in Public Administration?" with Robert E. Cleary, *Public Administration Review*. 44 (January/ February 1984) 49-55.

"Public Ownership of Land and the 'Sagebrush Rebellion'," *Policy Studies Journal*. 12 (March 1984) 483-490. Published in a slightly different form as "Making Public Lands Private: An Issue of Politics," *Urban Land*. 43 (August 1984) 21-25.

"Coordination," in Thomas Lynch, ed., *Organization Theory and Management*. New York: Marcel Dekker, 1983.

"Selecting and Training Public Managers: Business Skills versus Public Administration," *Public Administration Review* 38 (November/December 1978) 571-78; responses and replies in 39 (March/April 1979) 200 and (May/June 1979) 301-02.

"The Image of Organizational Life in the Novel," part of a symposium on "Public Images of the American Executive," William Scott and David Hart, eds., *Journal of Contemporary Business* 5 (Autumn 1976), 47-69.

"The Rubber Hose Theory of Bureaucracy," *The Bureaucrat* 2 (Spring 1973), 122-25.

"Fiction, Phenomenology, and Public Administration," *Public Administration Review* 33 (January/February 1973), 52-60.

Other Articles and Publications

"Helpful Lessons From the Space Race," *Issues in Science and Technology* (Summer, 2011)

"Robots With the Right Stuff," *Washington Post* (July 19, 2009).

"Lessons from the Past: How NASA's Early Culture Informs Current Challenges," *Ask Magazine (The NASA Source for Project Management and Engineering Excellence)* (Fall, 2008) 5-8.

"Is There a Borg in Our Future?" with Roger D. Launius, *Ad Astra* 19 (Fall 2007) 26-27.

"The Dreams of Space," *The Nation* (October 9, 2007). Distributed through Project Syndicate, this op-ed article appeared in more than 20 papers worldwide.

"Civil Space Flight: 1957 to 2057," *Space News* (September 10, 2007) 13 & 18.

"Low-Cost Innovation and the Vision for Space Exploration," *Ask Magazine (The NASA Source for Project Management and Engineering Excellence)* (Spring, 2007) 29-32.

"Back to the Moon...but Let's Fix NASA First." *Ripon Forum* 40 (June/July 2006) 27-29.

"Foreword," in Jay M. Shafritz, Albert C. Hyde, and Sandra J. Parkes, *Classics of Public Administration*, 5th ed. Belmont, CA: Thompson/Wadsworth, 2004, pp. ix-xi.

"The Greening of Space," with Roger D. Launius. *Space Times* (November-December 2001), 4-10.

The Dream of Spaceflight: Essays on the Near Edge of Infinity, by Wyn Wachhorst. Reviewed in *Technology and Culture* (October 2001) 815-17.

"Forty Years in Space: Human Spaceflight in Perspective, 1961-2001." *Ad Astra* (March/April 2001) 12-15.

"It's Time to Occupy the Moon," with Roger D. Launius. *Space Times* (May-June 2001), 23.

High Velocity Leadership, by Brian K. Muirhead and William Simon. Reviewed in *Space Times* (November-December, 1999) 21.

The Dreams Our Stuff is Made Of, by Thomas M. Disch. Reviewed in *Space Times* (May-June, 1999) 20.

"Moonstruck," [on people who believe we did not go to the Moon] *Air & Space* (October/November 1998) 24.

"Imagination and the Policy Agenda," *Earth Space Review* (No. 4, 1998) 14-21.

"J. Edgar Hoover," "Manhattan Project," Robert Moses," Fred W. Riggs," "Franklin Delano Roosevelt," "Dwight Waldo," in *Encyclopedia of Public Administration*, ed. by Jay M. Shafritz, 4 vols. Boulder, CO: Westview Press, 1997, pp. 1071-72, 1359-60, 1429-30, 1992-94, 2001-02, 2378-80.

The Rivers of Mars, by Piers Bizony. Reviewed in *Space Times* (November-December 1997) 21.

Pale Blue Dot: A Vision of the Human Future in Space, by Carl Sagan. Reviewed in *Nature* 375 (May 25, 1995) 287.

"Justifying Space Exploration: Lessons from History," *Space Times* (March-April 1994) 10-12.

"The Dismal Quality of Public Administration Research," *Discussion Pieces for the Barnard Society*, U.S.A. (#4, 1989) 1-10; rejoinder by Robert Golembiewski (#5, 1989) 1-12.

"Piece by Piece: Incrementalism is the Rule of Thumb for Today's Disjointed Space Program," *Ad Astra* (The Magazine of the National Space Society) 1 (February 1989) 24-28.

"The Graying of Space: Public Opinion Now Appears High for Space But Will an Aging NASA Be Able to Ride This Tide to Mars -- or Beyond?" *Space World* 10 (October 1988) 10-12.

"Researching the Space Station Decision," *American Inquiry* (1988) 16-18.

Public Administration in the Wilderness: The New Environmental Management," *Public Administration Review* 42 (November/December 1982), 584-590. (Winner of the Laverne Burchfield Award.)

"Surplus Land Sales Meet State Resistance," *Public Administration Times* 5 (May 1, 1982) 1 & 3; "Land Sales Revive Sagebrush Rebellion," *Public Administration Times* 5 (May 15, 1982), 1 & 3. A two-part series.

"Development and Budget Shifts Squeeze National Parks," *National Wildlife* 20 (April-May, 1982), 28-E. Reprinted in all state publications of the National Wildlife Federation, e.g., *Arkansas Out-of-Doors* 11 (May 1982), 3.

"RIF'S Fall Unevenly in Federal Agencies," *Public Administration Times* 5 (January 15, 1982), 1 & 10.

"Crowding and Behavior in the White House," *Psychology Today* 15 (April 1981), 21-25.

"Big Problem with Bureaucracy Is a Dearth of Bodies," *Washington Star*, Friday, April 17, 1981, p. A-8.

"The Rewards of Public Service," *American Political Science Review* 75 (March 1981), 200-01 (review).

"The Enterprise of Public Administration," *Public Administration Times* 3 (July 1, 1980), 3, (review).

"A Novel Administrative Sampler," *The Bureaucrat* 9 (Summer 1980), 94-96 (review).

An Insider's Guide to the Capitol. Washington: College of Public Affairs Publications, 1977.

"Warden of Amboseli," *African Wildlife Leadership Foundation News* 10 (Fall 1975), 5-9.

Monographs

Low Cost Innovation in Spaceflight: the History of the Near Earth Asteroid Rendezvous (NEAR) Shoemaker Mission, Monographs in Aerospace History No. 36, NASA SP-2005-4536. Washington: NASA Office of External Relations History Division, 2005.

"Strategic Planning Study: NASA Roles With Regard to Significant Space Markets, 2002-2025," a report submitted to the National Aeronautics and Space Administration, January 13, 2003.

"Reliability, Constancy, and Trust in the Management of a High-Risk Technology: the Nuclear Legacy Waste Site Experience," submitted to the Consortium for Risk Evaluation with Stakeholder Participation, September, 2001.

"The Institutional Challenge of Sustaining High Levels of Reliability Over Extended Periods of Time," with Thomas M. Leschine, submitted to the Consortium for Risk Evaluation with Stakeholder Participation, July, 2001.

"Selected Readings on High Reliability Organizations," with an introductory essay, submitted to the Consortium for Risk Evaluation with Stakeholder Participation, January, 2001.

"The Decision to Send Humans Back to the Moon and on to Mars," Space Exploration History Project, a monograph submitted under contract to the National Aeronautics and Space Administration, March 1992.

"Predicting and Preventing Future Drownings in the Potomac River: A Statistical Analysis," a report prepared for the U.S. National Park Service, C & O Canal National Historical Park, September 1982.

"Administration of Elections in the City of Chicago: Analysis and Recommendations," a study submitted as part of contract with the Chicago Board of Elections; Richard Smolka, Principal Investigator, May 1979.

"Administering Kenya's National Parks," a report to the Director, Kenya National Parks, Nairobi, April 1975.

"Policy-making and Administration: A Political Simulation Game," Seminars in Executive Development, U.S. Department of Agriculture, 1971; subsequent editions.

"Centralization-Decentralization in a Context of Intergovernmental Relations," a dissertation submitted in partial fulfillment of the requirements for the Ph.D., Cornell University, 1969.

“A Majority of the People: the Redistricting of Washington State,” a thesis submitted in partial fulfillment of the requirements for the Master of Arts, University of Washington, August 16, 1965.

An Analysis of Some Factors Affecting Community Airport Decision-Making, with Fremont Lyden and Jack Fuller, University of Washington, a 95-page report prepared for the Federal Aviation Agency; Bolt, Beranek, and Newman, Los Angeles, Principal Contractors; 1965.

Selected Recent Conference Papers and Presentations:

“Liftoff! A Keynote on the Past, Present, and Future of Innovations in Space,” keynote address, Moving Beyond Earth: Innovations in Space, Smithsonian Lemelson Center for the Study of Invention and Innovation and the National Air and Space Museum, Washington, D.C., November 18, 2011.

“The Road to the Stars: Exploring Interplanetary Travel,” with Roger D. Launius, Odyssey Program, Johns Hopkins University Advanced Academic Programs, Baltimore, MD, October 21, 2010.

“Inside NASA at 50,” keynote address, NASA’s First Fifty Years: A Historical Perspective, Washington, D.C., October 28, 2008.

“The Race to the Moon: Imagination and Politics as Shaping Forces in Space Policy,” The 21st Military History Symposium, Harnessing the Heavens: National Defense Through Space, United States Air Force Academy, 1-3 November 2006.

“Has Spaceflight Had an Impact on Society? An Interpretative Framework,” a paper delivered as the keynote address at the Societal Impact of Spaceflight symposium sponsored by the NASA History Division and the National Air and Space Museum Department of Space History, Washington, D.C., September 19, 2006.

“The Vision for Space Exploration: (Im)Possible Dream,” Keynote Address, American Society for Gravitational and Space Biology, Reno, Nevada, November 3, 2005.

“Plans for Future Space Exploration by the National Aeronautics and Space Administration.” Testimony before the Senate Committee on Commerce, Science, and Transportation, U.S. Congress, January 28, 2004.

“The Quest for a Continuing Human Spaceflight Mission,” a presentation at the Workshop on National Space Policy, Space Studies Board, National Research Council, National Academy of Sciences, Irvine, California, November 12-13, 2003.

“The Ends of the State,” a paper presented at the symposium on The Administrative State Reconsidered, American University, Washington, D.C., October 24, 2003.

"The Image of the Space Shuttle in National Policy," in "Group 4: Space Shuttle Program Organization, Budget, Policy," Columbia Accident Investigation Board Presentation, May 21, 2003.

"Management Practices and High Reliability in NASA's Space Flight Programs," presentation to Columbia Accident Investigation Board, Houston, Texas, May 7, 2003.

"The Columbia Disaster: Managerial and Budgetary Implications," a paper presented at the national conference of the American Society for Public Administration, Washington, D.C., March 18, 2003.

"Paul P. Van Riper's Little Known Study of NASA Decision-Making," a paper presented at the national conference of the American Society for Public Administration, Phoenix, Arizona, March 23, 2002

"Rocket Dreams and Lunar Fantasies: The Past, Present, and Future of Space Exploration," Museum of Science Washburn Lecture Series. Boston, Massachusetts, November 20, 2001.

"From Vision to Reality in Space Policy," a presentation at Space Policy in the 21st Century: A Symposium, Syracuse University, Greenberg House, Washington, D.C., March 23, 2000.

"Space Policy in the Next Fifty Years: Will it Be 'Faster, Better, Cheaper?'" an address given at the Goddard Space Flight Center Engineering Colloquium, Greenbelt, Maryland, October 30, 2000.

"Faster, Better, Cheaper," a paper delivered at the national conference of the American Society for Public Administration, Orlando, Florida, April 12, 1999.

"Fred W. Riggs: Contributions to the Study of Comparative Public Administration," a paper delivered at the annual meeting of the International Studies Association, Washington, D.C., February 17, 1999.

"Imagination and the Origins of the U.S. Space Program," a paper delivered at the National Aerospace Conference, Dayton, Ohio, October 2, 1998. Reprinted in the 1998 National Aerospace Conference *Proceedings*.

"NASA at 40: What kind of space program does America need for the 21st century?" Testimony before the House Committee on Science, Space and Aeronautics Subcommittee, U.S. Congress, October 1, 1998.

"Imagination and the Future of the U.S. Space Program," a paper delivered at the annual meeting of the Western Political Science Association, San Francisco, California, March 16, 1996.

"Space and the American Imagination: From the Past into the Next Century," a paper delivered at the national conference of the American Astronautical Society, Los Angeles, December 5, 1995.

"Fiction and Imagination in Public Administration," a paper delivered at the national conference on teaching public administration, Seattle, Washington, March 24, 1995.

"If We Can Go to the Moon...': Political Power and Public Confidence," with Roger Launius, a paper delivered at the annual meeting of the Western Political Science Association, Portland, Oregon, March 16, 1995.

"Organizing to Use Space: The Role of Popular Culture," a paper delivered at the annual conference of the American Astronautical Society, San Francisco, November 17, 1993.

"The Possibility of Space Flight: From Fantasy to Prophecy," a paper delivered at the annual conference of the Society for the History of Technology, Washington, DC, October 15, 1993.

"National Aeronautics and Space Administration: Major Management Issues," testimony before the House Committee on Government Operations, Legislation and National Security Subcommittee, U.S. Congress, October 6, 1993.

"The Costing Models of the Early 1970s and the Launching of the Space Shuttle Program," a paper delivered at the Colloque Naissance D'Ariane, 1971-1973, Institut D'Histoire de L'Industrie, Paris, France, May 5, 1993.

Areas of specialization and courses taught:

Public Administration, including courses in public management, organization theory, project management, administrative politics, comparative administration, and intergovernmental relations.

Financial Management, including courses in governmental budgeting, cost and price analysis, public financial management, and public finance.

Science and Government, including courses in science and technology policy, environmental analysis, natural resource management, and the rocket state.

Policy Analysis, including courses in American public policy, public policy analysis, research methods, and statistics.

American politics and history, including courses in American government, American presidency, legislative behavior, and imagination and public policy.

Major Grants and Contracts:

A contract to write a strategic planning study on the role of the government in encouraging the commercial development of new technologies and its application to emerging markets for space commerce, a one-year award initiated January 13, 2002.

A contract to write a history of the Near Earth Asteroid Rendezvous (NEAR) low-cost mission, a nine-month award initiated September 21, 2001.

A contract to research and write a book on the "Faster, Better, Cheaper" initiative in the National Aeronautics and Space Administration, a one-year award initiated September 1, 1998.

A contract to research and write a book on "Space and the American Imagination," National Aeronautics and Space Administration, a four-year award initiated May 25, 1993.

A contract to begin a history of the Space Exploration Initiative, National Aeronautics and Space Administration, a one-year award initiated March 1992.

A contract to research and write a book on "Organizational Culture and Crises: Technical Failure and the Management of NASA Space Flight Programs," National Aeronautics and Space Administration, a thirty month award initiated on July 1, 1987.

A contract "to research and write a history of the Space Station Task Force," National Aeronautics and Space Administration, a two-year award initiated on June 1, 1985.

Selected Media Appearances and Interviews:

"Washington Goes to the Moon," National Public Radio; "NOVA: Space Shuttle Disaster," National Public Television; "Did We Go to the Moon?" Fox Television; "Denying the Moon Landing," Smithsonian Channel Television, "Space: Bots or Bodies," Smithsonian Channel Television; "Movies That Shook the World: 2001," American Movie Classics television; Derek McGinty Show; Diane Rehm Show; Kojo Nnamdi Show; "To the Point" with Warren Olney; Mike Cuthbert Show; G. Gordon Liddy Show; Jim Lehrer News Hour, MacNeil-Lehrer Report; NBC Nightly News; ABC World News; CBS Evening News; CBS "Nightwatch;" CNN "Newsmaker Saturday" and "Evening News;" William F. Buckley's "Firing Line;" WRC "Inside Report;" Fred Fisk Show; National Public Radio "Morning Edition," "Science Friday," "All Things Considered," and "On Point;" "Panorama;" British Broadcasting Corporation; Canadian Broadcasting System; Monitor Radio; Voice of America; "The Fine Print with Rebecca Bain," Nashville Public Radio; "Massachusetts School of Law Educational Forum," PBS; Space.com; *New York Times*, *Wall Street Journal*, *U.S.A. Today*, *Christian Science Monitor*, *Washington Post*, *Washington Times*, *London Times*, *U.S. News & World Report*, *National Journal*, *Miami Herald*, *Orlando Sentinel*, *Florida Today*, *Newsday*, *Philadelphia Inquirer*, *New Orleans Time-Picayune*, *Business Week*, *Government Executive*, *Aviation Week & Space Technology*, *Boston Globe*, *Los Angeles Times*, *Houston Chronicle*, *St. Petersburg Times*, *Baltimore Sun*, *Chicago Tribune*, *Dallas Morning News*, *San Diego Union Tribune*, *Huntsville (Alabama) Times*; Associated Press TV, Fox Morning Show television (San Francisco), Discovery Channel, and radio interviews on stations in Los Angeles, Seattle, London, Toronto, Detroit, New York, Pittsburgh, St. Louis, Portland, Phoenix, Boston, Salt Lake City, Chicago, Tampa, San Diego, Orlando, Madison, Radio New Zealand, and Washington, D.C.; technical adviser, PBS television series on "Voyage to the Milky Way."

Administrative and Professional Experience

Chair, Department of Public Administration, School of Public Affairs, The American University. Responsible for twenty full-time and in-residence faculty, 400 graduate students, six degrees, and an annual budget in excess of \$3 million; 2002 to 2005, 2006 to 2010.

Chair, Re-accreditation Steering Committee, The American University. Responsible for the re-accreditation of American University by the Middle States Association of Colleges and Schools, the work of the 30-member re-accreditation steering committee, and the university's 140 page self-study report. Received two special awards for this assignment; 1992 to 1994.

Director of Doctoral Programs, School of Public Affairs, The American University. Responsible for the recruitment and education of all doctoral students in political science and public administration, with an average annual enrollment of 50 students and a teaching faculty of 30 professors; 1985 to 1988.

Co-director, university-wide Academic Program Review. Responsible for the first comprehensive review of all academic programs, leading to the identification of six university Centers of Excellence and the abolition of two teaching units and a number of degree programs; 1984 to 1986.

Conservation Analyst, Resource Conservation Staff, National Wildlife Federation, Washington, D.C. Responsible for the formulation of NWF positions on issues affecting public lands, including the White House asset sale program, the "sagebrush rebellion," and threats to the national parks; 1982.

Director of Public Administration Programs, The American University, 1976 to 1981. Responsible for the M.P.A. and Key Executive degree programs, with 20 faculty members and 450 students, and the development of two new executive education degree programs in public financial management and organization development; 1976 to 1981.

Visiting Scholar, Kenya National Parks, Nairobi. Responsible for producing an analysis of the management practices of the Kenya National Parks as the administration of the parks passed from European into African hands; sponsored by the African Wildlife Foundation, 1975.

Management Analyst, U.S. Bureau of the Budget. Part of a team responsible for analyzing management of the War on Poverty and other domestic programs; appointed as a Federal Management Intern, the precursor of the current Presidential Management Intern Program. Supervisor: Harold Seidman; 1966 and 1967.

Legislative Analyst, Washington State Legislature. Provided staff support for the first state redistricting bill to meet the standards set down in *Reynolds v. Sims*. Supervisors: Slade Gorton, Mary Ellen McCaffrey, and Daniel J. Evans; 1963 and 1965.

Selected University Service: (The American University)

University Self-Study Steering Committee, member (five years).
Chair, School of Public Affairs Rank and Tenure Committee (five years); member (thirteen years).
Chair, School of Public Affairs Curriculum Committees (one year); member (six years).
Chair, Task Force on MPA Curricular Reform (three years).
Member, School of Public Affairs Educational Policy Steering Committee (five years).
Chair, Senate Committee on Graduate Studies (one year).
Member, The American University Senate (four years).
Member, Senate Committee on Finance (two years).
Member, American University Press Advisory Board (two years).
Member, American University Honors Program Advisory Board (four years).

Selected Public Service

Member, Robotic and Human Lunar Exploration Strategic Roadmap Committee, National Aeronautics and Space Administration, 2005

Consultant, Columbia Accident Investigation Board, 2003.

Volunteer Ranger, Mt. Rainier National Park, 1995 - 2005.

Citizens Advisory Committee, Bethesda-Chevy Chase Master Plan, Montgomery Council, 1988.

Volunteer Statistician, C & O Canal National Historic Park, 1982.

Personal:

Class President, Student Senator, and Class Sergeant-At-Arms, Oregon State University.

Founding President, University of Washington Political Union.

Diploma, Queen Anne High School, Seattle, Washington.

February 17, 2012