

CURRICULUM VITAE**NAME:** Charles Frazer Hermann**WEBSITE:** <http://www.voxprof.com>**DATE OF BIRTH:** 29 June 1938, Monmouth, Illinois**PRESENT POSITION:** Senior Professor, 2017 to present; and emeritus holder of the Brent Scowcroft Chair in International Policy Studies, George Bush School of Government and Public Service, Texas A&M University, 1999 – 2017.

President George H. W. Bush selected Texas A&M University as the site for his Presidential Library. As part of the Library complex, the University established the George Bush School of Government and Public Service, which admitted its first students in September 1997. Dr. Hermann served as the founding Director of the new school that now offers master's degrees in Public Service and Administration and in International Affairs. Prior to the School's opening, Dr. Hermann was involved in establishing the curriculum, recruiting a faculty, selecting a first class, and providing oversight for the School's Center for Presidential Studies and Center for Public Leadership Studies. He led a \$20 million startup development campaign for the School. Since the Bush School became a separate unit within the University in September 1999, initially under Dean Robert Gates, Dr. Hermann has been a member of the Bush School faculty and also served first as Associate Dean for Academic Affairs and subsequently as the first Director of the Graduate Program in International Affairs until July 2013.

EDUCATION: Public Schools of Nashville, Tennessee
 A.B. DePauw University, 1960
 M.A. Northwestern University, 1963
 Ph.D. Northwestern University, 1965

PREVIOUS EMPLOYMENT: Mershon Center, The Ohio State University
 Director, 1980 to 1995
 Acting Director, 1979-1980
 Associate Director, 1970-1979

Department of Political Science, The Ohio State University
 Mershon Professor of Political Science, 1975-1995
 Associate Professor, 1970-1974

Acting Vice Provost for International Affairs, The Ohio State University,
 September 1988-June 1990

National Security Council Staff serving under Dr. Henry Kissinger,
 U.S. Government, 1969-70.

Department of Politics, Assistant Professor,
 Princeton University, 1964-1970

ACADEMIC HONORS: Gold Key (DePauw University's Senior Men's Scholastic and Service Honorary) 1960

Walker Cup Award, 1960 (Awarded by the DePauw University faculty on the basis of nominations by the senior class to the student contributing most to DePauw during his four years.)

Cokesbury Graduate Award, 1960-61

Harris Fellow in Political Science, 1961-62

Northwestern University Fellow, 1962-63

International Fellow, Council on Foreign Relations, 1969

Fellow, PEW Case Program, John F. Kennedy School, Harvard University, 1991-92

Honorary Member of Mortar Board, 1990

Silver Star Award, Graduating Students of the George Bush School of Government and Public Service, 2000

Distinguished Senior Scholar Award, International Studies Association, 2001

Bush Faculty Achievement Award, 2002

PROFESSIONAL MEMBERSHIPS:

Member, American Political Science Association

Member, International Studies Association

Member, International Society for Political Psychology

Member, Arms Control Association

Member, Council on Foreign Relations

PROFESSIONAL

ACTIVITIES:

Committee on International Relations, Society for the Psychological Study of Social Issues (Division of the American Psychological Association), 1967-1972

Inter-University Comparative Foreign Policy Project, 1968-1973

International Relations Archive Committee, Inter-University Consortium on Political and Social Research, 1968-1972; 1980-1982

Inter-Disciplinary Committee, International Studies Association, 1970-1975

Consultant, National Security Council, 1970

Selection Committee, International Fellows for Council on Foreign Relations, 1972-1977

Editorial Board, SAGE International Yearbook of Foreign Policy Studies, 1972-1983

Lecturer, Foreign Service Institute, U.S. Department of State, 1972-1973

Editorial Advisory Board, SAGE Papers in International Studies, 1972-1978

Chairman, International Studies Association, Committee on Scientific Communication, 1973-1975

Governing Council, International Studies Association 1973-1976

Research Consultant, U.S. Commission on the Organization of the Government for the Conduct of Foreign Policy, 1974-1975

American Political Science Association Convention Program Committee, 1975; 1987

Consultant, General Electric Corporation, 1975

Vice President, International Studies Association, 1975

Consultant, International Business Machines, 1976

Editorial Advisory Board, International Public Policy Foundation, 1979-1984

Editorial Board, International Studies Quarterly, 1976-1979; 1985-1990

Convention Co-Chairperson (with Margaret G. Hermann) for 1977 International Studies Association Annual Convention, St. Louis

Scholar-Diplomat Program, U.S. Department of State, 1978

Search Committee for Editor of the International Studies Quarterly, 1979

- Editorial Board, International Interactions, 1980-1984; 1987-1991
- Advisory Panel, International Crisis Behavior Project (Professor Michael Brecher, director), 1980-1989
- Lecturer, Air Force Command and Staff College, 1980-1981
- Board of Directors, Section on Military Studies, International Studies Association, 1981-1984
- Board of Visitors, Center for International Studies, University of Dayton; 1986 to 1993
- Inter-University Consortium for Political and Social Research, Council Member, 1988-1991
- President, International Studies Association, 1988-1989
- Chair, Planning Commission on Internationalization, ISA, 1990-1991
- Executive Committee, Midwest Consortium for International Security Studies, A program of the American Academy of Arts and Sciences, 1987-1989; Chair, Executive Committee, 1993-1994
- Board of Directors, Midwest Universities Consortium for International Activities, 1988 to 1990
- Member, Headquarters Search Committee, International Studies Association, 1993 -1994; nominating committee, 1996
- Member, International Relations Program Review Board, University of British Columbia in Vancouver, March, 1992; Department of International Relations, San Francisco State University, February, 1994
- Member, Social Science Research Center Review Team; American University of Cairo, Egypt 1998.
- Member, Sam Nunn School of International Affairs Program Review Committee, Georgia Institute of Technology; October, 2005; 2008
- Editorial Board, *Foreign Policy Analysis*. 2004-2012

**CIVIC & COMMUNITY
ACTIVITIES:**

- Project Unity, Board of Directors, 2015 to present
- Brazos Valley Symphony Society Board, 2010-13
President 2015-16
- Board of Trustees, Opera and Performing Arts Society (OPAS),
College Station, 1997-2007; President 2006-07
- Member, Board of Directors, Brazos Valley Symphony Society,
2008-2013; re-elected for 2nd term 2014
- Member, Bryan/College Station Chamber of Commerce, 1997-
2013
President, Bryan Rotary Club, 2004-2005
- Co-Chair, Work for Better Housing, 2006-2008
- Board of Directors, Rotary International, Club of Bryan, Texas,
2002 to 2006 (member since 1998)
- Board of Trustees, Columbus Area Leadership Program, 1981-
1985
- Columbus Council on World Affairs
Board of Trustees, 1984 to 1995
Vice President, 1985-1987, 1991-1993
- Board, Kit Kat Club of Columbus, 1984-1986
- Columbus Metropolitan Club,
Board, 1985-1988
President, 1986-1987
- Ohio Governor's Commission on Peace and Conflict
Management, 1988-1989
- Columbus Council on Business and Ethics, Program Committee,
1990
- Columbus Area Chamber of Commerce, International Committee;
Chair of Education Subcommittee, 1990-1992
- Columbus Rotary Program Chair, 1993-1994; member 1989-1995

**UNIVERSITY
ACTIVITIES:**

- Faculty Associate, Center of International Studies, Princeton
University, 1964-1969

Assistant Director, Office of Survey Research and Statistical Studies, Princeton University, 1967-1969

University Computer Center Committee, Princeton University, 1968-1969

Graduate Studies Committee, Department of Political Science, Ohio State University 1972-1980

Dissertation Coordinator for Ph.D. Students, Department of Political Science, Ohio State University, 1977-1980

Ohio State University, Minority Affairs Committee, 1973 to 1977

International Relations Faculty Coordinator, Department of Political Science, Ohio State University, 1978-1979

Ohio State University Committee on International Affairs, 1978-1979

Chair, Ohio State University Coordinating Committee for Program Evaluation of School of Public Administration, 1979-1983

Co-Chair, Task Force on Ohio State University International Involvement, 1980-1981

Member, Board of Directors, Program on Energy Research, Education and Public Service of The Ohio State University, 1980-1982

Member, Board of Trustees, Commission on Inter-Professional Education and Practice, Ohio State University, 1980 to 1995; Executive Committee, 1986 to 1995

Member, Ohio State University China Committee, 1980-1982

Chair, Schooler-Reese Lecture Committee, Ohio State University, 1983-1990

Chair, Ohio State University Ad Hoc Committee on Legislative Seminars, 1983-1986

Chair, Ohio State University Cost Containment Review Committee, Newark Campus, 1987

Chair, Program Review Committee, Ohio State University Center for International Studies, 1987-1991

Advisory, Ohio State University Chapter of Mortar Board, 1991 to 1995

Chair, Ohio State University Honorary Degree Committee,
1995; Acting Chair, 1994

Co-Chair, Scientific and Technology Policy (STEP) Seminar,
Texas A&M University, 1997 – 2000.

Member, International Program Enhancement and Coordination
Committee, Texas A&M University, 1997 to present

Member, Graduate Council, Texas A&M University, 1999 to
2005

Member, Executive Committee for China-US Conferences, 2003
to 2010

Member, Management Committee, European Union Center, 2004
to 2012

PUBLICATIONS:

Authored and Edited Books

Crisis in Foreign Policy: A Simulation Analysis. Indianapolis: Bobbs Merrill 1969.

Courses in Foreign Policy: An Anthology of Syllabi (edited with Kenneth Waltz). Beverly Hills, Calif.: Sage, 1969

International Crises: Insights from Behavioral Research (ed.) New York: Free Press, 1972.

CREON: A Foreign Event Data Set (with Maurice A. East, Margaret G. Hermann, Barbara G. Salmore and Stephen A. Salmore), Beverly Hills, Calif.: Sage Professional Papers in International Studies 2, 02-024, 1973.

Why Nations Act (with Maurice A. East and Stephen A. Salmore, eds.). Beverly Hills, Calif.: Sage, 1978.

New Directions in the Study of Foreign Policy (with Charles W. Kegley, Jr. and James N. Rosenau, eds.). Boston: Allen & Unwin, 1987.

American Defense Annual, 1994 (ed.) New York: Lexington, 1994.

Violent Conflict in the 21st Century: Causes, Instruments & Mitigation (with by Charles Hermann, Harold K. Jacobson and Anne S. Moffat, eds.) Chicago, IL: American Academy of Arts & Sciences, 1999.

When Things Go Wrong: Foreign Policy Decision Making Under Adverse Feedback (ed.) New York: Routledge, 2012

Called to Serve: The First Decades of the Bush School of Government and Public Service (with Sally Dee Wade) College Station: Texas A&M University Press. Scheduled for publication in September 2017.

Articles and Book Chapters

"Some Consequences of Crisis which Limit the Viability of Organizations," Administrative Science Quarterly 8, 1 (pp. 61-82) 1963.

reprinted in John G. Maura (ed.) Readings in Organizational Theory.
New York, N.Y.: Random House (pp. 343-358) 1971.

"An Attempt to Simulate the Outbreak of World War I" (with Margaret G. Hermann), American Political Science Review 61 (pp. 400-416) 1967.

- reprinted in
- 1) James N. Rosenau (ed.) International Politics and Foreign Policy revised edition. New York, N.Y.: Free Press (pp. 622-639) 1969.
 - 2) Horst-Dieter Ronsch (ed.) Simulation Internationaler Prozesse. Opladen: West German Press (pp. 347-374) 1972.
 - 3) Harold Guetzkow, Philip Kotler, Randal L. Schultz (eds.) Simulation in Social and Administrative Science. Englewood, N.J.: Prentice-Hall (pp. 340-363) 1972.

"Validation Problems in Games and Simulations with Special Reference to Models of International Politics," Behavioral Science 12 (pp. 216-231) 1967.

reprinted in Lucian Kern and Horst-Dieter Ronsch (eds.) Simulation Internationaler Prozesse. Opladen: West German Press (pp. 239-260) 1972.

"The Comparative Study of Foreign Policy," World Politics, 20 (pp. 521-534), 1968.
"Simulation: Political Processes," International Encyclopedia of the Social Sciences. New York: MacMillan-Free Press, Volume 14 (pp. 274-281) 1968.

"International Crisis as a Situational Variable," in James N. Rosenau (ed.) International Politics and Foreign Policy, revised edition, New York, N.Y.: Free Press (pp. 409-421) 1969.

reprinted in John A. Vasquez (ed.) Classics of International Relations. Englewood Cliffs, N.J.: Prentice-Hall (pp. 171-181), 1986.

"Effect of Size, Development and Accountability on Foreign Policy" (with Stephen A. Salmore). Peace Research Society Papers, XIV (pp. 15-30), 1969.

"Search Under Crisis in Political Gaming and Simulation," (with James A. Robinson and Margaret G. Hermann), in Dean G. Pruitt and Richard C. Snyder (eds.) Theory and Research on the Causes of War. Englewood Cliffs, N.J.: Prentice-Hall 1969.

reprinted in Lucian Kern and Horst-Dieter Ronsch (eds.) Simulation Internationaler Prozesse. Opladen; West German Press (pp. 330-346) 1972.

Charles Frazer Hermann Curriculum Vitae

"Policy Classifications: A Key to the Comparative Study of Foreign Policy," in James N. Rosenau, Vincent Davis, and Maurice East (eds.) The Analysis of International Politics. New York: Free Press (pp. 58-79) 1971.

"What is a Foreign Policy Event?" in Wolfram Hanrieder (ed.) Comparative Foreign Policy. New York: McKay (pp. 295-321) 1971.

"Some Issues in the Study of International Crisis," in Charles F. Hermann (ed.) International Crises: Insights from Behavioral Research. Free Press 1972.

"Threat, Time and Surprise: A Simulation of International Crisis," in Charles F. Hermann (ed.) International Crises: Insights from Behavior Research. New York: Free Press 1972.

"Alternative Models of International Crisis Behavior" (with Linda P. Brady), in Charles F. Hermann (ed.) International Crises: Insights from Behavioral Research. New York: Free Press 1972.

"Indicators of International Political Crises: Some Initial Steps Toward Prediction," Jartin Janicke (ed.) Herrschaft and Krise. Oplanden: West German Press, 1972.

reprinted in Edward Azar and D. Ben Dak (eds.) Theory and Practices of Events Research: Studies in International Actions and Interactions. New York: Gordon and Breach, 1974.

"The Adaptation of Foreign Policy Research," (with James N. Rosenau and Philip M. Burgess). International Studies Quarterly 17 (pp. 119-144) March 1973.

"Counterattack of Delay: Characteristics Influencing Decision Makers' Responses to the Simulation of an Unidentified Attack" (with Margaret G. Hermann and Robert A. Cantor). Journal of Conflict Resolution, Vol. 18, No. 1, March 1974.

"Do Nation-Types Account for Foreign Policy Behavior?" in James N. Rosenau (ed.) Comparing Foreign Policies. New York: Sage-Halsted, 1974.

"What Decision Units Shape Foreign Policy: Individual, Group, or Bureaucracy?" Policy Studies Journal, Vol. 3, Winter 1974.

reprinted in Richard L. Merritt (ed.) Foreign Policy Analysis Lexington, Mass.: Heath 1975.

"Comparing the Foreign Policy Events of Nations" in Charles W. Kegley, Jr. et. al. (eds.) International Events and the Comparative Analysis of Foreign Policy. Columbia: University of South Carolina, 1975.

"A Global Monitoring System: Appraising the Effects of Government on Human Dignity" (with Richard C. Snyder and Harold D. Lasswell). International Studies Quarterly, June 1976.

"Conceptualizing Foreign Policy Behavior Using Events Data," in James N. Rosenau (ed.) International Crises and Crisis Management. London: Teakfield & Heath, 1977.

"Introduction" (with Maurice A. East), in Charles F. Hermann et al. (eds.) Why Nations Act. Beverly Hills: Sage Publications, 1978.

Charles Frazer Hermann Curriculum Vitae

"Foreign Policy Behavior: That Which is to be Explained" in Maurice A. East, et. al. (eds) Why Nations Act. Beverly Hills: Sage Publications, 1978.

"Decision Structure and Process Influence on Foreign Policy," in Charles F. Hermann et. al. (eds.) Why Nations Act. Beverly Hills: Sage Publications, 1978.

"Conclusion: Toward Integrating the Perspectives" (with Stephen A. Salmore, Margaret G. Hermann and Barbara G. Salmore) in Charles F. Hermann et. al. (eds.) Why Nations Act. Beverly Hills: Sage Publications, 1978.

"Validating International Relations: Forecasts to Develop Theory," (with Warren R. Phillips and Stuart J. Thorson), in Nazli Choucri and Thomas W. Robinson (eds.) Forecasting in International Relations. San Francisco: W. H. Freeman, 1978.

"Why Foreign Policy Changes Are Not Met: Bureaucratic Restraints on Foreign Policy Adaptability" in Charles Kegley (ed.) Challenges to America: United States Foreign Policy in the 1980s. Sage International Yearbook of Foreign Policy Studies Volume 4. Beverly Hills: Sage Publications, 1979.

"The Validity Issue with Respect to Event Data" in Don Munton (ed.) Measuring International Behavior: Event Data Validity Problems. Canada: Dalhousie University Press, 1979.

"Simulating U.S. National Security Decision Making" (with Donald A. Sylvan). Simulation and Games, Vol. 10, No. 3, September 1979.

"Identifying Behavioral Attributes of Events that Trigger International Crises" (with Robert E. Mason) in Ole R. Holsti, Randolph M. Siverson and Alexander L. George (eds.) Change in the International System. Boulder, Colo. Westview Press, 1980.

"Toward Realizing Human Dignity: Evaluating Institutional Impacts on Basic Human Values" (with Margaret G. Hermann) in Vincent E. McHale, Barry B. Hughes, and Kenneth W. Grundy (eds.) Evaluating Transactional Programs in Government and Business. New York: Pergamon, 1980.

"Instrumentalities" in Margaret G. Hermann, Patrick T. Callahan, and Linda P. Brady (eds.) Describing Foreign Policy Behaviors. Beverly Hills, Calif.: Sage 1981.

"Substantive Problem Areas" (with Roger A. Coate) in Margaret G. Hermann, Patrick T. Callahan, and Linda P. Brady (eds.) Describing Foreign Policy Behaviors. Beverly Hills, Calif.: Sage, 1981.

"Judgments of Country Specialists about Foreign Policy Formulation: The Operation of Internal Decision Processes" in Gerald W. Hopple and James A. Kuhlman (eds.) Expert-Generated Data: Applications in International Affairs. Boulder, Colo.: Westview 1981.

"Some Initial Problems and Possible Solutions in Measuring Detente Processes: Perspective of an American Social Scientist" in Daniel Frei (ed.) Definitions and Measurements of Detente: East and West Perspectives, Cambridge, Mass.: Oelgeschlager, Gunn, and Hain, 1981.

"Choosing Units of Analysis" and "Inquiry Problems and Future Research" in Judith A. Gillespie and Dina A. Zinnes (eds.) Missing Elements in Political Inquiry. Beverly Hills, Calif.: Sage, 1982.

"A Look Inside the 'Black Box': Building on a Decade of Research" (with Margaret G. Hermann) in Gerald Hopple (ed.) Biopolitics, Political Psychology and International Politics. New York: St. Martin's Press, 1982.

Charles Frazer Hermann Curriculum Vitae

"Defining National Security" in John F. Reichart and Steven R. Sturm (eds.) American Defense Policy. Baltimore: Johns Hopkins University Press, 1982.

"Bureaucratic Constraints on Innovation in American Foreign Policy" in Charles W. Kegley, Jr. and Eugene R. Wittkopf (eds.) Perspectives on American Foreign Policy. New York: St. Martin's Press, 1983.

"Foreign Policy" in Stuart Nagel (ed.) Encyclopedia of Policy Studies. New York: Dekker, 1983.

"Foreign Policy Research" (with Paul Labmert) in Stuart Nagel (ed.) Basic Literature in Policy Studies. Greenwich, Conn.: Jai Press, 1984.

"War" Essay for Lincoln Library of Essential Information. Columbus, Ohio: Frontier Press, 1984.

"The Synthetic Role of Decision-Making Models in Theories of Foreign Policy: Bases for a Computer Simulation" (with Margaret G. Hermann) in Michael D. Ward (ed.) Theories, Models and Simulations in International Relations. Boulder, Colo.: Westview Press, 1985.

"New Foreign Policy Problems and Old Bureaucratic Organizations" in Charles W. Kegley and Eugene Wittkopf Perspectives on American Foreign Policy, New York: St. Martin's Press, 1987.

"Trends Toward Crisis Instability: Increasing the Danger of Nuclear War" in Steve Cimbala (ed.) Challenges to Deterrence in the 1990s. New York: Praeger Press, 1986.

"The Evolution and Future of Theoretical Research in the Comparative Study of Foreign Policy" (with Gregory Peacock) in Charles F. Hermann, Charles W. Kegley, Jr., and James N. Rosenau (eds.) New Directions on the Study of Foreign Policy. Boston: Allen & Unwin, 1987. Pp. 13-32.

reprinted in Walter Carlsnaes and Stefano Guzzini (eds.) Foreign Policy Analysis
London: Sage, 2012, Volume 1

"Superpower Involvement with Others" in Stephen Walker Role Theory and Foreign Analysis. Durham: Duke University Press, 1987.

"Preface: The Mershon Center at Twenty Years" in Joseph Kruzel (ed.) The American Defense Annual, 1987-88. Lexington, Mass.: Lexington, 1987.

"Enhancing Crisis Stability: Correcting the Trend Toward Increasing Instability" in Gilbert R. Winham (ed.), New Issues in Crisis Management, Westview Press, 1988.

"Crisis Stability" in Joseph Kruzel (ed.) American Defense Annual: 1988-89. Lexington, Mass.: Lexington, 1988.

"Begun but Unfinished" in Joseph Kruzel (ed.), Journeys Through World Politics: Autobiographical Reflections of Thirty-Four Academic Travelers. Lexington, Mass: Lexington, 1989.

"How Decision Units Shape Foreign Policy Behavior" (with Margaret G. Hermann and Joe D. Hagan) in C.F. Hermann, Charles W. Kegley, Jr., and James N. Rosenau (eds.) New Directions in the Study of Foreign Policy, Boston: Allen and Unwin, 1987 (pp. 309-338).

Charles Frazer Hermann Curriculum Vitae

"On International Crises and National Security" in Edward A. Kolodziej and Patrick Morgan (eds.) International Security and Arms Control. Westport, Conn.: Greenwood Press, 1989.

"New Foreign Policy Problems and Old Bureaucratic Organizations" in Charles W. Kegley, Jr. and Eugene R. Wittkopf (eds.) The Domestic Sources of American Foreign Policy: Insights and Evidence. New York: St. Martin's Press, pp. 248-265. 1988.

"The Comparative Study of Foreign Policy Perspectives on the Future" (with James A. Caparaso, et. al.) in International Studies Notes 13, Spring, 1988.

"Modeling the 1973 Soviet Decision to Support Egypt" (with Philip D. Stewart and Margaret G. Hermann) American Political Science Review 83, Number 1, March 1989. pp. 35-59.

"Who Makes Foreign Policy Decisions and How: An Empirical Inquiry" (with Margaret G. Hermann) International Studies Quarterly 33, Number 4, December 1989. pp. 361-388.

reprinted in Walter Carlsnaes and Stefano Guzzini (eds.) Foreign Policy Analysis
London: Sage, 2012, Volume 1

"The Situational Imperative: A Predictive Model of Foreign Policy Behavior" (with Valerie M. Hudson, Eric Singer) Cooperation and Conflict XXIV, 1989. pp. 117-139.

"Changing Course: When Governments Choose to Redirect Foreign Policy" International Studies Quarterly 34, Number 1, March 1990. pp. 3-22. (This article is an edited version of the International Studies Association presidential address delivered at the 30th Annual Convention, London, England, March 30, 1989.)

"Hostage taking, the presidency, and stress" (with Margaret G. Hermann) in Walter Reich (ed.) Origins of Terrorism: Psychologies, ideologies, theologies, states of mind. Cambridge University Press, pp. 211-229. 1990.

"Crisis" in Joel Krieger (ed.) The Oxford Companion to Politics of the World. New York: Oxford University Press, pp. 205-206. 1993.

"Explaining Self-Defeating Foreign Policy Decisions: Response" (with Margaret G. Hermann). American Political Science Review 86 (September 1992) 3. Pp. 762-767.

"Avoiding Pathologies in Foreign Policy Decision Groups" in Dan Caldwell and Timothy McKeown (eds.) Force, Diplomacy and Leadership. Boulder, Co. Westview Press. 1994.

"Building Relations: Possible Futures between the Successors to the Soviet Union and the United States" in Manus I. Midlarsky, John A. Vasquez, and Peter V. Gladkov (eds.) From Rivalry to Cooperation: Soviet and American Perspectives on the Post-Cold War Era. New York: Harper Collins. 1994.

"Reflections on Foreign Policy Theory Building" in Laura Neack, Jeanne A.K. Hey, and Patrick Haney (eds.) Foreign Policy Analysis. Prentice Hall. 1994.

"Continuity and Change in International Relations: A Commentary on Joseph S. Nye, Jr." in John D'Arms, et al. (eds.) Becoming More International and Global: Changes for American Higher Education. 1995.

Charles Frazer Hermann Curriculum Vitae

"Bureaucracy" in Bruce W. Jentleson & Thomas G. Paterson (eds.) Encyclopedia of U.S. Foreign Relations. New York: Oxford University Press, 1997.

"Problem Identification in Sequential Policy Decision Making: The Re-representation of Problems" (with Robert S. Billings) in Sylvan, Donald A. and James F. Voss (eds.) Problem Representation in Political Decision Making. New York: Cambridge University Press, 1998, pp. 53-79.

"Resolve, Accept, or Avoid: Effects of Group Conflict on Foreign Policy Decisions" (with Janice Stein, Bengt Sundelius, and Stephen Walker) International Studies Review 3 (2, Summer) Pp. 133-168, 2001.

"People and Processes in Foreign Policymaking: Insights from Comparative Case Studies" (with Ryan Beasley, Juliet Kaarbo, Margaret Hermann) International Studies Review 3(2, summer) Pp. 217-250, 2001.

"Crisis" in Joel Krieger (ed.) The Oxford Companion to Politics of the World (2nd ed.). New York: Oxford University Press, pp. 182-183. 2001.

"Assessing a Mediated Learning Joint Television Course: Foreign Policy Problem Management in the First Bush Administration" (with Maurice A. East) International Studies Perspectives 6 pp. 462-476. 2005.

"What We Do When Things Go Wrong" in C. F. Hermann, (ed.) When Things Go Wrong. Routledge: New York, 2012, Pp.1-10

"Responding to Adverse Feedback" (with Robert S. Billings) in C. F. Hermann, (ed.) When Things Go Wrong. Routledge: New York, 2012, Pp. 11-35

"From Anticipated Victory to Sensing Entrapment in Vietnam" in C. F. Hermann, (ed.) When Things Go Wrong. Routledge: New York, 2012, Pp. 36-52

"Dealing with Adverse Feedback" in C. F. Hermann, (ed.) When Things Go Wrong. Routledge: New York, 2012, Pp.174-186

"Leadership and Group Identity in Foreign Policy Negotiations" (with Nehemia Geva and Belinda Bragg) in Ulrika Mörth, Charles Parker and Fredrik Bynander, The Bridge Builder. Crismart Volume 47, Swedish Defense Ministry, Stockholm, Sweden 2017.

Technical Research Reports and Policy Documents

Studies in Deterrence: Validation Studies of the Inter-Nation Simulation (with Margaret G. Hermann). Final Report to U.S. Naval Ordnance Test Station, China Lake, California, December 1963 (NOTS TP 3351).

Crisis in Foreign Policy Making. Final Report to Project Michelson, U.S. Naval Ordnance Test Station, China Lake, California, April 1965 Contract N123 (60530) 32779A.

Research Tasks for International Crisis Avoidance and Management. A final report prepared for the Advanced Research Projects Agency, Human Resources Research Office of the Office of Naval Research (Contract N00014-75-C-0053) October 1975.

Charles Frazer Hermann Curriculum Vitae

Inventory of Public Policy Capabilities of The Ohio State University Faculty and Staff. Mershon Center, Ohio State University, 1975.

Report to Commission on the Organization of the Government for the Conduct of Foreign Policy. "Maintaining the Quality of Decision Making in Foreign Policy Crises: A Proposal" (with Margaret G. Hermann). Volume 2, pp. 124-136, June 1975.

Comparative Research on the Foreign Events of Nations -- Phase I (with Margaret G. Hermann). A final report prepared for the National Science Foundation (GS-40356) November 1976.

CREON: Comparative Research on the Events of Nations (with Margaret G. Hermann). Quarterly Report: Mershon Center, The Ohio State University. Volume 2, Number 3: Spring 1977.

Force and Polity (with Allan R. Millett). Quarterly Report. Mershon Center, The Ohio State University. Volume 3, Number 1: Autumn 1977.

Identifying Behavioral Attributes of Events that Trigger International Crises (with Robert E. Mason). A final report prepared for the Advanced Research Projects Agency, Human Resources Research Office of the Office of Naval Research (Contract N00014-75-0765) October 1978.

Simulations of Organizational Effects on Crisis and Other National Security Problems: A Feasibility Study (with Donald A. Sylvan). A final report prepared for the Advanced Research Projects Agency, Human Resources Research Office of the Office of Naval Research (Contract N00014-75-0765) October 1978.

Newspaper Columns

"View Kissinger Acts in Context of His Vision," in the Columbus Dispatch, October 6, 1985.

"City Must Reorganize, Face School Challenge" in the Columbus Dispatch, July 21, 1985.

Papers Given at National Meetings of Professional Societies

"A Validity Problem: Crises in Simulated Foreign Policy Organization." Sixtieth Annual Meeting of the American Political Science Association, Chicago, September 9-12, 1964.

"Comparing the Foreign Policy Actions of Nations." 66th Annual Meeting of the American Political Science Association, Los Angeles, California, September 8-12, 1970.

"Alternative Theories of International Crises Behavior." Conference on "Political Theory and Social Education," Michigan State University, February 5-6, 1971.

"Distributions of Foreign Policy Events: Preliminary Report from a Coding Scheme" (with Stephen A. Salmore and Barbara G. Salmore). The Michigan State University Events Data Measurement Conference, Lansing, Michigan, April 12-13, 1971.

"The Knowledge Gap: The Exchange of Information Between the Academic and the Foreign Policy Communities." 67th Annual Meeting of the American Political Science Association, Chicago, Illinois, September 7-11, 1971.

Charles Frazer Hermann Curriculum Vitae

"The Recipients of Foreign Policy Events" (with Stephen A. Salmore). Peace Research Society, Ann Arbor Conference, Michigan, November 15-16, 1971.

"Do Different Nations Act Differently? The Impact of Genotypic Variables on Four Classifications of Foreign Policy Events" (with Maurice A. East). Convention of the International Studies Association, Dallas, Texas, March 15-18, 1972.

"Do Nation-Types Account for Foreign Policy Behavior?" (with Maurice A. East). 68th Annual meeting of the American Political Science Association, Washington, D.C., September 5-9, 1972.

"Bureaucratic Politics and Foreign Policy Behavior: A Theoretical Framework Using Events Data." 14th Annual Convention of the International Studies Association, New York City, March 14-17, 1973.

"Some Conceptualizations of Foreign Behavior Compatible with Events Data." Inter-University Comparative Foreign Policy Conference, Ojai, California, June 1973.

"Decision Making Properties of Foreign Policy: Instrumentalities and Procedural Issue Areas." Southern Political Science Association Annual Meeting, New Orleans, Louisiana, November 7-9, 1974.

"What Decision Units Shape Foreign Policy: Individual, Group or Bureaucracy?" International Studies Association Meeting, Washington, D.C., February 19-22, 1975.

"Toward Integrating CREON Perspectives for Multi-Casual Explanations for Foreign Policy Behavior" (with Stephen A. Salmore). American Political Science Association Meeting, San Francisco, California, September 2-6, 1975.

"Some Proposals for Improving Professional Communication." 17th Annual Convention of the International Studies Association, Toronto, Canada, February 25-29, 1976.

"Data Approach to Crisis Forecasting" (with Robert E. Mason). 18th Annual convention of the International Studies Association, St. Louis, Missouri, March 16-20, 1977.

"Judgmental Ratings of Country Experts on Foreign Policy Decision Structures and Processes." 19th Annual Convention of the International Studies Association, Washington, D.C., February 22-25, 1978.

"Decision Structures for National Security Policies: Conceptual Models for Net Assessment." 1978 Biennial Conference of the Section on Military Studies, International Studies Association, Kiawah Island Inn, Charleston, South Carolina, November 8-10, 1978.

"Working Memorandum on the Interaction of Personal Characteristics and Decision Unit Properties on Foreign Policy Behavior" (with Margaret G. Hermann and William J. Dixon). International Studies Association Meeting, Toronto, Canada, March 1979.

"Expert Judgments About Foreign Policy Structures and Processes: An Interim Report on Research to Collect Cross-National Data." International Studies Association Convention Intensive Panel, Toronto, Canada, March 1979.

Charles Frazer Hermann Curriculum Vitae

"Decision Structures and Personal Characteristics in Comparative Foreign Policy" (with Margaret G. Hermann and William J. Dixon). Midwest Political Science Association Meeting, Chicago, Illinois, April 19-21, 1979.

"The Effects of Decision Structures and Processes on Foreign Policy Behaviors." International Society of Political Psychology Second Annual Meeting, Washington, D.C., May 24-26, 1979.

"The Interaction of Situations, Political Regimes, Decision Configurations, and Leader Personalities in Interpreting Foreign Policy: Leader Effects When Controlling for Selected Variables" (with Margaret G. Hermann). International Political Association Congress, Moscow, Russia, August 12-18, 1979.

"Where Did I Go Wrong? An Informal and Gentle Self-Evaluation of My Reports in the Study of Foreign Policy Crises and the Cross-National Analysis of Foreign Policy with Some Initial Thoughts on the Future of the Field." 1979 Annual Meeting of the American Political Science Association, Washington, D.C., August 31-September 3, 1979.

"Summary of the External Components in the CREON Project's Conceptual Framework for Explaining Foreign Policy Behavior." 11th Annual Meeting of the Northeastern Political Science Association in Newark, New Jersey, November 8-10, 1979.

"Some Initial Problems and Possible Solutions in Measuring Detente Processes: Perspective of an American Social Scientist." Prepared for the Symposium on Definitions and Measurement of Detente, Zurich, Switzerland, November 29-30, 1979.

"Judgments of Country Specialists About Foreign Policy Formation: The Operation of Internal Decision Processes" for International Studies Association Meeting in Los Angeles, March 19-22, 1980.

"Toward Realizing Human Dignity: Evaluating Institutional Impacts on Basic Human Values" (with Margaret G. Hermann). Third Annual Meeting of the International Society of Political Psychology, Boston, 4-7 June 1980.

"Moving to the Next Stage in Foreign Policy Research." 1980 Annual Meeting of the American Political Science Association in Washington, D.C. August 1980.

"The All-Volunteer Force, National Service Proposals and Citizenship" (with Kenneth H. Watman). Conference on National Security, National Purpose and Military Manpower, University of North Carolina at Chapel Hill, March 6, 1981.

"External Predisposition as a Model Component in Foreign Policy Explanation: The Case of Zambia" (with Valerie M. Hudson and Eric Singer). Twenty-second Annual Convention of the International Studies Association, Philadelphia, Pa., 18-21 March 1981.

"The Impact of Decision Units on Foreign Policy Behavior" (with Margaret G. Hermann). Fourth Annual Meeting of the International Society of Political Psychology, University of Mannheim, Federal Republic of Germany, 24-27 June 1981.

"How Decision Units Shape Foreign Policy Behavior" (with Joe Hagan and Margaret G. Hermann). Twenty-Third Annual Meeting of the International Studies Association, Cincinnati, March 24-27, 1982.

Charles Frazer Hermann Curriculum Vitae

"Explaining the Foreign Policy Behaviors of Ghana, Kenya, and Zambia" (with Valerie Hudson and Eric Singer). Twenty-Third Annual Meeting of the International Studies Association, Cincinnati, March 24-27, 1982.

"Reconstructing Foreign Policy From Behavior Attributes" (with William J. Dixon). Twenty-Third Annual Meeting of the International Studies Association, Cincinnati, March 24-27, 1982.

"Effects of Political Change on U.S. Foreign Policy." Annual Meeting of the American Political Science Association, Denver, September 2-5, 1982.

"A New Round of Foreign Policy Theory-Building: The CREON Model." Twenty-Fourth Annual Meeting of the International Studies Association, Mexico City, April 5-9, 1983.

"Super-power Involvement with Others: Alternative Role Relationships." Annual Meeting of the American Political Science Association, Chicago, September 1-4, 1983.

"The Structure of Foreign Policy: From Conceptualization to Observation" (with William Dixon). Presented at the Annual Meeting of the International Studies Association, Atlanta, March 27-31, 1984.

"Combining External and Domestic Factors in Theories of Foreign Policy: The Synthetic Role of Decision making Models." Presented at the Annual Meeting of the American Political Science Association, Washington, D.C., August 30 - September 2, 1984.

"The Board in Columbus: Facing a Challenge." Presented to the Kit-Kat Club, Columbus, Ohio, April 16, 1985. Reprinted in the Columbus Dispatch on July 21, 1985.

"The Evolution and Future of Theoretical Research in the Comparative Study of Foreign Policy: A CREON Perspective" (with Gregory Peacock). Presented at the New Directions in the Comparative Study of Foreign Policy Conference, Columbus, Ohio, May 9-11, 1985.

"The Ultimate Crisis in the Nuclear Era." Prepared for the XIIIth International Political Science Association Meeting, Paris, France, July 15-20, 1985.

"A Contingency Approach to Decision making" (with Margaret G. Hermann). Presented at the American Political Science Association Annual Meeting, New Orleans, Louisiana, August 29 - September 1, 1985.

"One Point of View: The Future of Comparative Studies of Foreign Policy" (with Charles Kegley and James Rosenau). Presented to the 27th Annual Convention of the International Studies Association, Anaheim, California, March 25-29, 1986.

"Enhancing the Involvement of Ohio State Faculty with the Third World: A Proposal for Discussion with Summary of Comments". Presented at the Third World Seminar, April 1, 1986.

"The Politburo and Foreign Policy: Toward a Model of Soviet Decision Making" (with Philip Stewart and Margaret Hermann). Presented at the annual meeting of the International Society of Political Psychology, Amsterdam, The Netherlands, June 29-July 3, 1986.

Charles Frazer Hermann Curriculum Vitae

"Enhancing Crisis Stability: Correcting the Trend Toward Increasing Instability." Presented at the annual meeting of the Section on Military Studies of the International Studies Association, Cambridge, Massachusetts, November 6-8, 1986.

"Political Opposition as Potential Agents of Foreign Policy Change: Developing a Theory." Presented at the 28th Annual International Studies Association Convention, Washington, D.C., April 14-18, 1987.

"Soviet Decision to Support Egypt in 1973: Illustrating a Model of Decision Making" (with Philip Stewart and Margaret Hermann). Presented at the 28th Annual International Studies Association Convention, Washington, D.C., April 14-18, 1987.

"Hostage Taking, The Presidency and Stress" (with Margaret Hermann). Prepared for a seminar on Responding to Terrorism: Decision Making and the Pressures on Leadership, The Wilson Center, Washington, D.C., April 30, 1987.

"A Contingency Approach to Understanding the Impact of Decision Structures on Foreign Policy" (with Margaret G. Hermann). Prepared for delivery at the 1987 Annual Meeting of the American Political Science Association, The Palmer House, September 3-6, 1987.

"The Impact of Single Group Decision Units on Foreign Policy." Presented at the 29th Annual Convention of the International Studies Association, St. Louis, Missouri, March 29 to April 2, 1988.

"How Decision Units Shape Foreign Policy: Insights from Comparative Case Studies" (with Joe D. Hagan and Margaret G. Hermann). Presented at the 1990 Annual Meeting of the American Political Science Association, San Francisco, California, August 30-September 2, 1990.

"How Decision Units Shape Foreign Policy: Development of a Model" (with Margaret G. Hermann and Joe D. Hagan). Presented at the 1991 Annual Meeting of the International Society of Political Psychology, Helsinki, Finland, July 4-6, 1991.

"Hegemon?" Presented at the Kit Kat Club, December 17, 1991, Columbus, Ohio.
"Dynamic Forces Shaping Change in Foreign Policy Decisions" (with Ryan K. Beasley) Paper presented at 33rd Annual Convention of the International Studies Association, Atlanta, Ga., March 31-April 4, 1992.

"The Unattended Relationship: Possible Futures between the Successor States of the USSR and USA" Paper presented at International Studies Association: West, Phoenix, Arizona, November 5-7, 1992.

"Continuity and Change in International Relations: A Commentary on Joseph S. Nye Jr." Paper presented at Higher Education in an Increasingly International World: A Symposium. Ann Arbor, Mi.: University of Michigan, May 6-8, 1992.

"Sequential Decision making in Foreign Policy Groups." (with Robert S. Billings) Paper presented at the 89th Annual Meetings of the American Political Science Association, Washington, D.C., September 2-5, 1993.

Charles Frazer Hermann Curriculum Vitae

"Problem Identification in Sequential Policy Decision Making: The Re-representation of Problems." (with Robert S. Billings) Paper presented at the 35th Annual Convention of the International Studies Association, Washington, D.C., March 29-April 1, 1994.

"The Role of Domestic Opposition in Foreign Policy Change." Paper presented at the 35th Annual Convention of the International Studies Association, Washington, D.C., March 29-April 1, 1994.

"Problem Re-Representation in Sequential Decisions of Foreign Policy Groups." (with Robert S. Billings) Paper presented at the 17th Annual Meeting International Society of Political Psychology, Universidad de Santiago, Galicia, Spain, July 12-15, 1994.

"Renegade States in International Affairs: A Conceptual Exploration." (with Lorraine Eden) Paper presented at the annual meeting of the International Studies Association, Chicago, IL, February 23, 1995.

"Sequential group problem solving in foreign policy: change or status quo?" (with Robert S. Billings) Paper presented at the 23rd Joint Sessions of European Consortium for Political Research Workshops Institut d'Etudes Politiques de Bordeaux, France, April 27 to May 2, 1995.

"Persistent, Recurring Foreign Policy Problems: Sequential Decisions in Bureaucratic Decision Units." (with Anneliese Reinemeyer) Paper presented at the annual meeting of the International Studies Association, San Diego, CA, April 16-20, 1996.

"Sequential Decisionmaking: Illustrations from U.S. Policy on German Unification." (with Anneliese Reinemeyer) Paper prepared for the International Studies Association – Midwest, St. Louis, Missouri, October 18-20, 1996.

"Worldwide Transformation at the 21st Century: Prospects for the Korean Society." This paper was prepared for presentation as the keynote address at the opening conference of the National Development Institute, "Korean Society Toward the 21st Century", held October 25, 1996, in Seoul, Korea.

"Conceptualizing Crises in the Post Cold War." Paper prepared for the ISSS-ISA annual meeting – Arlington, Virginia, November 11-13, 1999.

"Escalation or Modification: Responding to Negative Feedback in Sequential Decision Making." (with Robert S. Billings and Robert Litchfield) Paper prepared for Fifth National Conference on Public Management Research, College Station, Texas, December 3-4, 1999. "Resolve, Accept or Avoid Group Conflict: Effects on Foreign Policy Decisions." Paper prepared for the 41st Annual International Studies Association Convention, Los Angeles, California, March 14-18, 2000.

"Responding to Negative Feedback: Decision-Making in Protracted Foreign Policy Problems." (with Robert S. Billings and Robert Litchfield) Paper presented at the Twenty-third Annual Meeting of the International Society of Political Psychology, Seattle, Washington, July 1-4, 2000.

"Group Dynamics in Conflict Management Strategies: An Experimental Analysis of the Effects on Foreign Policy Decision Making." (with Nehemia Geva and Belinda Bragg) Paper prepared

Charles Frazer Hermann Curriculum Vitae

for presentation at the International Studies Association – Hong Kong Conference, July 25-27, 2001.

“Responding to Negative Feedback: Decision-Making in Protracted Foreign Policy Problems.” (with Robert S. Billings) Paper prepared for the 97th Annual Meeting of the American Political Science Association, San Francisco, California, August 29 – September 2, 2001.

“Assessing a Joint TV Course: Problem Management in the First Bush Administration’s Foreign Policy.” (with Maurice A. East) International Studies Association. New Orleans, March 24-27, 2002.

“Deadlocks, Compromises and Integrative Solutions in Foreign Policy Decision Making.” (with Nehemia Geva and Belinda L. Bragg) International Studies Association, New Orleans, March 24-27, 2002.

“Sequential Processes in Crisis Decision Making.” (with Robert S. Billings, Daniel Nohstedt, Bengt Sundelius, and Eric Stern) International Society of Political Psychology, Berlin, Germany, July 16-19, 2002.

“How Disagreements Among Foreign Policy Makers Affect Group Outcomes.” (with Nehemia Geva and Belinda Bragg) International Studies Association, Portland, Oregon, February 25-March 1, 2003.

“Developing a Model to Explain Sequential Decisions” (with Robert S. Billings) Eastern Academy of Management, Porto, Portugal, June, 2003

“Leadership and Group Identity: An Experimental Analysis” (with Nehemia Geva and Belinda Bragg) Annual Conference of the International Studies Association for Conflict Management, Melbourne, Australia, June 15-18, 2003.

“Leadership and Group Identity in Foreign Policy Negotiations” (with Nehemia Geva and Belinda Bragg) International Studies Association, Montreal, Canada, March 17-20, 2004.

“Bringing the Renegades Back In: Lessons from the OECD’s Harmful Tax Competition Initiative” (with Lorraine Eden and Robert T. Kudrle) International Studies Association, Montreal, Canada, March 17-20, 2004.

“Dealing with Disagreements in Foreign Policy Decision Groups” (with Nehemia Geva and Belinda Bragg) International Society of Political Psychology, Lund Sweden, July 15-18, 2004

“Prosperity and Tolerance in Our World” Invited paper presented at Texas A&M Kingsville. October 8, 2004.

“Bringing Cases Back In: Qualitative Research in International Business” (with Lorraine Eden and Dan Li) Presented at the International Studies Association annual meetings, Honolulu, March 2005.

“A Simulation of the Six Party Negotiations on North Korean Nuclear Weapons.” Presented at the Shanghai Institute for International Studies-Bush School Conference, May 2005

“Using Decision Rules and Membership Identification to Explain Foreign Policy Decisions: An Experimental Study” (with Belinda Bragg and Nehemia Geva). Presented at the International

Charles Frazer Hermann Curriculum Vitae

Studies Association annual conference, San Diego, CA March 22-25, 2006

“When Policy is Failing: Stay the Course or Change? Presented at the International Studies Association annual meeting, Chicago Illinois, February 28-March 3, 2007

“Experience from Another Discipline” Presented at Colloquium on Globalization of Business Education, University of Navarra, Barcelona, Spain, October 4-6, 2007

“Applying Donald Campbell’s Experimenting Society Concept to Foreign Policy” Presented at the International Society for Political Psychology, July 9-12, 2008.

“From Anticipated Victory to Sensing Entrapment In Vietnam: Group Efficacy in the LBJ Administration” Presented at the International Studies Association annual meeting, New Orleans, LA, February 17-20, 2010.

“Stay the Course or Change: Foreign Policy Decisions in Response to Bad News.” Presented at the International Studies Association annual meeting. San Francisco, CA., April 3-6, 2013.

“Frameworks and Theories of Change in Foreign Policy.” Presented at the International Studies Association annual meeting, New Orleans, LA, February 18-21. 2015.

“Explaining the Response of U.S. Presidents to Adverse Foreign Policy Feedback.” Presented at the International Society of Political Psychology annual meeting, San Diego, CA, July 3-6, 2015.

“Foreign Policy Change from Truman to Trump.” Presented at the International Studies Association annual meeting. San Francisco, CA. April 4-7, 2018.

Teaching: Course Titles (GS indicates graduate seminar)

Great Powers in International Politics

Military Strategy and National Security Policy

Introduction to International Politics

American Foreign Policy (GS)

Conduct and Control of Foreign Policy (GS)

Scope and Methods of Political Science (GS)

Psychology and International Politics (GS)

Basic Theories in the Study of International Relations (GS)

Introduction to National Security (GS)

Comparative Foreign Policies (GS)

Synthesizing International Relations Scholarship (GS)

Effects of Leadership and Decision Structure on Foreign Policy (GS)

Empirical Analysis of Foreign Policy (GS)

Arms Control and Disarmament (GS)

Charles Frazer Hermann Curriculum Vitae

The Individual in Politics

Groups in Political Decision Making (GS)

Problems in Contemporary U.S. Foreign Policy (GS)

International Politics (GS)

Problems in Contemporary U.S. Foreign Policy (GS)

International Politics (GS)

International Politics in Theory and Practice (GS)

External Grants and Contracts Received

U.S. Naval Ordnance Test Station, 1963

U.S. Naval Ordnance Test Station, 1965

National Science Foundation, 1970-1973

National Science Foundation, 1973-1976

National Science Foundation, 1977-1978

National Science Foundation, 1987-1989

U.S. Arms Control and Disarmament Agency

Advanced Research Projects Agency; Office of Naval Research

U.S. Commission on the Organization of the Government for the Conduct of Foreign Policy

Defense Intelligence Agency

Department of Energy

U.S. Air Force, Foreign Technology Division

Danforth Foundation

The William and Flora Hewlett Foundation

John D. and Catherine T. MacArthur Foundation

Lawrence Livermore National Laboratory