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PROFESSIONAL ACTIVITIES

2007-2009 Member, US Army Education Advisory Committee
2004-2008 Member, Advisory Board, US Army Command and General Staff College
2003-2004 Member, Defense Science Board Panel on Post-Conflict Planning
2003-2005 Member, Advisory Panel for Scientific American 50
2003- Member, Advisory Committee, Center for Peace and Liberty, Independent Institute
2001-2002 Member, MIT Ad Hoc Faculty Committee on Access to and Disclosure of Scientific Information
1999-2001 Member, Technology Alternatives to Anti-Personnel Mines Study Committee, National Research Council
1999- Member, Strategic Systems Advisory Panel, Draper Laboratory
1999-2000 Member, Committee to Review the DOD's Dual Use Science & Technology Program
1999-2003 Member, Editorial Board of the International Studies Quarterly
1998-2000 Member, Senior Review Group, Army Technology Seminar
1998- Member, Advisory Committee, Center for International Studies, Brookhaven National Laboratory
1996- 2002 Consultant, Applied Physics Laboratory, Johns Hopkins University
1995-1996 Member, Defense Downsizing, Consolidation, and Conversion Study Group, Council on Foreign Relations
1994-1995 Member, Secretary of Energy Advisory Board Task Force on Alternative Futures for DOE National Laboratories
1994-2004 Member, Board of Directors, Urban Medical Group Inc., Boston
1994- Member, Council on Foreign Relations
1993 Member, Non-lethal Weapons Study Group, Council on Foreign Relations
1993 Chair, Defense Conversion Symposium, MIT
1993 Chair, Policy Implications of Non-lethal Warfare Technologies Conference, MIT
1992-1997 Member, Heinz Dissertation Award Committee, National Academy of Social Insurance
1991-1992 Chair, Woodrow Wilson Prize Selection Committee, American Political Science Association
1990- Fellow, National Academy of Social Insurance
1990-1991 Visiting Olin Professor, U.S. Military Academy, West Point

1989-2006 Director, M.I.T. Security Studies Program

1988-1991 Member, AIDS Technical Advisory Committee, Robert Wood Johnson Foundation

1988-1999 Member, Editorial Board, Technology Analysis & Strategic Management

1988-1995 Director, M.I.T. Communications Forum

1988-1995 Director, M.I.T. Communications Policy Research Program

1988 Chair, Program Committee, M.I.T. Symposium on World Telecommunications Policy

1987-1995 Consultant, RAND Corporation

1987-1988 Member, Committee on Risk Perception and Communications, National Research Council

1985 Faculty, American Medical Association's Inaugural National Medical Staff Conference

1985-1989 American Political Science Association representative to the American Association for the Advancement of Science

1991-1997

1985-1990 Member, Editorial Board, Inquiry

1984-1987 Project Director, DRG Evaluation Study, Robert Wood Johnson Foundation

1984 Senior Counselor, Institute of Medicine Study Committee, National Academy of Sciences

1982-1983 Consultant, Health Systems Agency of North Central Connecticut

1981-1983 Associate Chairman of the M.I.T. Faculty

1981-2000 Member, Editorial Board, Journal of Health Politics, Policy and Law

1980-1982 Consultant, Swedish National Board for Technical Development

1980-1981 Consultant, Committee on Health Planning Standards and Goals, National Research Council

1980-1981 Member, Committee on Federal Research on Effects of Ionizing Radiation, National Research Council

1980-1983 Member, Merit Review Board, Health Services R&D, Veterans Administration

1979-1980 Member, Ethics and Health Policy Panel, Hastings Center

1979 Consultant, Committee on Pest Management, National Research Council

1979 Member, Naval Ship Design Study Panel, Ship Engineering Center

1978-1983 Reviewer, Health Care Financing Administration

1978-1983 Deputy Director, University Health Policy Consortium

1978-1979 Consultant, Veterans Administration Scholars Program

1978-1984 Consultant, National Center for Health Services Research

1977-1978 Consultant, Physician Reimbursement Study, Harvard School of Public Health

1977-1997 Member, International Council for Science Policy Studies

1976-1979 Consultant, Codman Research Group

1976-1977 German Marshall Fund Fellow

1975-1976 Member, Editorial Board, Review of Navy R&D Management Study, Booz Allen & Hamilton

1974-1977 Member, Committee on Science and Public Policy, American Association for the Advancement of Science
1974-1976 Consultant, Veterans' Health Care Study, National Research Council
1974 Consultant, Naval War College
1973- Fellow, American Association for the Advancement of Science
1972-1973 Member and Consultant, Artificial Heart Assessment Panel, National Heart and Lung Institute
1972 Member, Committee on Chemistry and Public Policy, American Chemical Society
1972 Consultant, Commission on Government Procurement
1972 Jasper and Marion Whitney Award, M.I.T.
1971-1972 Visiting Associate Professor, University of Michigan
1970-1975 Consultant, Office of Naval Research
1969 Consultant, National Academy of Engineering
1968-1973 Secretary, Section K, American Association for the Advancement of Science
1967-1972 Consultant, M.I.T. Instrumentation Laboratory
1966-1967 Research Associate, Harvard University Program on Technology and Society

FIELDS: Security Studies
The Federal Bureaucracy
Health Policy
Science Policy

EXPERT
WITNESS: Blood banking cases
Tobacco cases
Anti-trust cases

PUBLICATIONS -- BOOKS

US MILITARY INNOVATION SINCE THE COLD WAR: CREATION WITHOUT DESTRUCTION, edited with Benjamin H. Friedman and Brendan R. Green, (Routledge, 2009.)

U.S. DEFENSE POLITICS: THE ORIGINS OF SECURITY POLICY, with Eugene Gholz and Caitlin Talmadge, (Routledge, 2008).

THE TELECOMMUNICATIONS REVOLUTION, edited with R. Crane, R. Neuman, and E. Noam (London, UK: Routledge, 1992). Authored overview essay. Japanese edition 1993.

SCIENCE AND THE NAVY: THE HISTORY OF THE OFFICE OF NAVAL RESEARCH (Princeton, NJ: Princeton University Press, 1990).

CONSUMING FEARS: THE POLITICS OF PRODUCT RISKS, edited (NY: Basic Books, 1986). Authored overview chapters and study of politics of cigarette smoking.

THE AMERICAN BLOOD SUPPLY with A. Drake and S. Finkelstein (Cambridge, MA: M.I.T. Press, 1982).

FEDERAL HEALTH PROGRAMS: PROBLEMS AND PROSPECTS, edited with S. Altman (Lexington, MA: Heath, 1981). Co-authored Overview and Veterans Administration essays.

HEALTH PLANNING AND REGULATION: THE DECISION-MAKING PROCESS, with D. Altman and R. Greene (Ann Arbor, MI: Health Administration Press, 1981).

THE POLARIS SYSTEM DEVELOPMENT: BUREAUCRATIC AND PROGRAMMATIC SUCCESS IN GOVERNMENT (Cambridge, MA: Harvard University Press, 1972).

ARTICLES, BOOK CHAPTERS AND PAPERS

"Regaining our Strategic Depth: the Strategy of Restraint," with Daryl Press, Eugene Gholz and Benjamin Friedman, *WORLD AFFAIRS* (in review)

"Security Studies: An American Perspective" for the COMPENDIUM, INTERNATIONAL STUDIES ASSOCIATION (forthcoming)

"Recognizing Our Advantages," SOLARIUM II PROJECT, Center for New American Security, Washington DC, June 2009.

"Models for Governing Large Systems Projects" in Guy Ben Ari, editor, *SYSTEMS ENGINEERING FOR COMPLEX SYSTEMS*, (Washington DC: CSIS, 2009)

"Learning the Right Lessons from Iraq," with Benjamin H. Friedman and Christopher Preble, Policy Analysis no. 610, CATO Institute, February 13, 2008 (reprinted in Art and Jervis, editors, *USE OF FORCE*, 2009)

"Advice for the SecDef," US Naval Institute Proceedings, (January, 2009)

"Restraint Strategy," with Eugene Gholz, Daryl Press, Benjamin Friedman, and Michael Schrage, Center for Strategic and Budgetary Analysis, Washington DC, August 2008.

"You Never Knowism," with B. Friedman, Breakthroughs (Vol XV, No. 1, Spring 2006)

"A Nuisance Neighbour", National Post (July 27, 2005)

"Canada: Crossing the Line", Breakthroughs (Vol. XIV, No. 1, Spring 2005)

"Targeting Polaris," in Henry Sokolski, ed., *GETTING MAD* (Carlisle PA: Strategic Studies Institute, 2004).

"Come Home, America," with Eugene Gholz and Daryl Press, The American Conservative, June 7 2004, pp. 15-19.

"Strategic ASW," Breakthroughs (Vol. XIII, No. 1, Spring 2004)

"Inventing Systems Integration", in Andrea Prencipe and Andrew Davies, eds., THE BUSINESS OF SYSTEMS MANAGEMENT (Oxford: Oxford University Press, 2003)

"The Science and Politics of Defense Analysis", in Ham Cravens, ed., THE SOCIAL SCIENCES GO TO WASHINGTON (New Brunswick: Rutgers University Press, 2003)

"War Needs a Warning Label," Breakthroughs (Vol. XII, No. 1, Spring 2003)

"The Defense Industry's New Cycle", with Eugene Gholz, Regulation, Vol. 24, No. 4 (Winter 2001)

"Weighing the Navy," with David Burbach, Marc DeVore, and Stephen Van Evera, Defense Analysis, Vol. XVII, No. 3 (December 2001)

"Buying Weapons Without an Enemy", Breakthroughs, Vol. X, No. 1 (Spring 2001)

"Casualties, CNN, and Modern American Wars," in Robert Pfaltzgraff and Richard Snyder, eds., THE ROLE OF NAVAL FORCES IN 21st CENTURY OPERATIONS, (Brassey's, 2000).

"On the Theory of Military Innovation," Breakthroughs, Vol. IX, No. 1 (Spring 2000)

"Restructuring the Defense Industry," with Eugene Gholz, International Security (Winter 1999).

"Restructuring the American Defense Industry," with Eugene Gholz, in Leon V. Sigal, ed., THE CHANGING DYNAMICS OF US DEFENSE SPENDING (Westport, CT; Praeger Publishers, 1999).

"The Defense Monopoly" with Eugene Gholz, Regulation, vol. 22, no. 3 (1999).

"Security Lessons from the Cold War," with Eugene Gholz and Allen Kaufman, Foreign Affairs (July/August 1999).

"Private Arsenals: America's Post Cold War Burden," with Eugene Gholz, in A. Markusen and S. Costigan, eds. ARMING THE FUTURE: A DEFENSE INDUSTRY FOR THE 21ST CENTURY (Council on Foreign Relations: 1999) pp. 191-206.

"The Future of the Industrial Base," in Peter M. Taylor, Richard Fellerton and David L. Kovaeh, editors, THE DEFENSE INDUSTRIAL BASE: ECONOMIC REALITIES OF AMERICA'S EVOLVING NATIONAL DEFENSE (New York: MacGraw-Hill, 1998).

"The Third Battle of the Atlantic," with Owen Cote, Submarine Review, July 1997.

"Come Home America," with Eugene Gholz and Daryl Press, International Security, Spring 1997.

Reprinted in Michael E. Brown, Owen R. Cote, Jr., Sean M. Lynn-Jones and Steven E. Miller, editors, AMERICA'S STRATEGIC CHOICES, (Cambridge, MA: The MIT Press, 1997).

"Let's Have a Parade," with David Burbach, Eugene Gholz and Michael Trahan, Breakthroughs, Spring 1997.

"Eliminating Excess Defense Production," with Eugene Gholz, Issues in Science and Technology, January 1997.

"Casualties, Technology and America's Future Wars," with Jeremy Shapiro, Parameters, Summer 1996.

"The Interservice Competition Solution," Joint Force Quarterly, Spring 1996.

"The Truly Endless Frontier," Technology Review, November/December 1995.

"Trading Places: American and European Defense Industries After the Cold War," June 1995, New York Academy of Science Conference Proceedings.

"Political Market Structure Constraints on Post-Cold War Acquisition Reform," with Eugene Gholz, prepared for the 1995 Acquisition Research Symposium, Defense Systems Management College, June 1995.

"The Cost of Intervention and Isolation," DACS Working Paper No. 95-3, April 1995.

"Non-Lethal Warfare Technologies: Opportunities and Problems," DACS Working Paper No. 95-2, March 1995.

"The Life Cycle of Health Care Reform: The Case of Rate Setting in New Jersey," (with S. Weiner), presented at the APPA&M Conference in Chicago, October 28, 1994.

"Dodging a Bullet: Democrats and the Gulf War," with Sharon Weiner, Breakthroughs, Spring 1994.

"Notes on Military Innovation," February 1994.

"Will Coming Clean Help the Clean Up?" MIT Energy Laboratory Working Paper No. MIT-EL 94-003, January 1994.

"War Without Killing," in S. Sarkesian and J. Flanagin, editors, UNITED STATES DOMESTIC AND NATIONAL SECURITY AGENDAS (Greenwood Press, 1994).

"Financing Science After the Cold War," in K. Keniston and D. Guston, editors, THE FRAGILE CONTRACT (MIT Press, 1994).

"Organizational Structure and Innovation," reprinted in H. Livesay and C.A. Taylor, editors, ENTREPRENEURSHIP AND THE GROWTH OF FIRMS (Edward Elgar, 1994).

"Acquisition Reform," with Ethan McKinney and Eugene Gholz, MIT Lean Aircraft Initiative Policy Working Group, Working Paper #1, 1994.

"The Greening of DOE: Political Change in the Nuclear Weapons Complex," MIT Energy Laboratory, March 1993.

"The Politics of Risk," Daedalus (Fall 1990). Reprinted in E.J. Burger, editor, RISK (University of Michigan Press, 1993).

"War Without Killing," with Sharon Weiner, Breakthroughs, Winter 1992/93.

"Health and Defense: A Policy Comparison," DACS Working Paper, September 1992.

"The History of Transfusion AIDS: Practice and Policy Alternatives," with S. Boswell, in E. Fee and D. Fox, editors, AIDS: THE MAKING OF A CHRONIC DISEASE (University of California Press, 1992).

"Lift Myths," with O. Cote, Breakthroughs (Spring 1991).

"Empire and the Business of Health Insurance," Journal of Health Politics, Policy and Law (Winter 1991).

"Militaries: Familiar but Unusual Organizations," with O. Cote, prepared for Organizational Issues in U.S. Nuclear Policy Workshop, Berkeley, CA, September 1990.

"A Baker's Dozen: The Future of Carriers in the Navy," with O. Cote, Breakthroughs (Fall 1990).

"The First DRG: Lessons of ESRD Payment Arrangements for Prospective Payment," reprinted in H. Brehm and R. Mullner, editors, HEALTH CARE, TECHNOLOGY, AND THE COMPETITIVE ENVIRONMENT (Praeger, 1990).

"AIDS, Bloodbanking, and the Bonds of Community," Daedalus (Summer 1989). "AIDS, Bloodbanking, and the Bonds of Community," reprinted in LIVING WITH AIDS (M.I.T. Press, 1990).

"An Agenda," Technology Analysis and Strategic Management Vol. 1, No. 1 (1989).

"Military Support for Academic Research in the United States," a paper delivered at the joint meetings of the U.S. and British History of Science Societies, Manchester, England, July 1988.

"An Evaluation of the New Jersey DRG Hospital Payment System," New Jersey Medicine (January 1988).

"Equipping the Armed Forces," Armed Forces and Society (Fall 1987) and in G. Edwards and E. Walker, editors, NATIONAL SECURITY AND THE U.S. CONSTITUTION (Johns Hopkins University Press, 1988).

"The Call to Rome and Other Obstacles to State-Level Innovation," with J. Aisenberg and J. Morone, Public Administration Review (March 1987).

"The First DRG: Lessons of ESRD Payment Arrangements for Prospective Payment," with J. Maxwell, Inquiry (Spring 1987).

"Economic Incentives and Organizational Realities: Managing Hospitals Under DRGs," with S. Weiner, J. Maxwell, D. Dunn, and W. Hsiao, Milbank Quarterly Vol. 65, No. 4 (1987).

"Origins of the Office of Naval Research," in Daniel M. Masterson, editor, NAVAL HISTORY: THE SIXTH SYMPOSIUM OF THE U.S. NAVAL ACADEMY (Scholarly Resources Inc., 1987).

"AIDS and the Blood Supply: Is Honesty the Best Policy?" in AIDS: PUBLIC POLICY DIMENSIONS (New York: United Hospital Fund, 1987).

"Prospective Payment in Perspective," Journal of Health Politics, Policy and Law Vol. 11, No. 4 (1986); also in L. Brown, editor, HEALTH POLICY IN TRANSITION (Duke University Press, 1987).

"Lessons of the New Jersey DRG Payment System," with W. Hsiao, D. Dunn, and S. Weiner, Health Affairs (Summer 1986).

"The Theory and Practice of DRG Implementation," with R. Greene and S. Weiner, Business and Health (June 1986).

"Obstacles to Developing and Using Technology: The Case of the Artificial Heart," with J. Maxwell and D. Blumenthal, International Journal of Technology Assessment in Health Care Vol. 2, No. 3 (1986).

"Cross National Differences in Dialysis Rates," with J. Prottas and M. Segal, Health Care Financing Review (March 1983). Reprinted in The Weaver (Winter 1984-85).

"A House of Cards: Observations on the Vulnerability of the Health Care System," in The Future of Health Care: Challenges and Choices, symposium proceedings, Academy of Physician Assistants, Reston, Virginia, October 1984.

"The Maytag Repairman Syndrome," Bulletin of the New York Academy of Medicine (January-February 1983).

"Myth and Reality in Project Planning and Control," in F. Davidson and C. Meador, editors, MACRO-ENGINEERING AND THE FUTURE (Westview Press, 1982).

"Corporate Attitudes Toward Health Care Costs," with D. Altman, R. Greene, and J. Moore, Milbank Memorial Fund Quarterly (Fall 1981).

"Don K. Price" interview, News for Teachers of Political Science (Winter 1981).

"Bottoms Up is Upside Down," paper prepared for the Institute of Medicine Committee on Health Planning Goals and Standards, September 1980. Reprinted in Health Planning in the United States: Selected Policy Issues (National Academy of Sciences, 1981).

"Political Obstacles to the Control of Cigarette Smoking in the United States," Journal of Health Politics, Policy and Law (Summer 1980).

"Science Policy in American State Government," reprinted in T. Kuehn and A. Porter, editors, SCIENCE, TECHNOLOGY AND NATIONAL POLICY (Cornell University Press, 1980).

"Controlling Post-Transfusion Hepatitis," with S. Finkelstein, American Journal of Law and Medicine (Spring 1979).

"Academic Science and the Military: The Years Since the Second World War," in N. Reingold, editor, THE SCIENCES IN THE AMERICAN CONTEXT: NEW PERSPECTIVES (Smithsonian Press, 1979).

"Here Comes the Artificial Heart," The Sciences (December 1978). Reprinted in Science Digest (April 1979).

"America's Socialized Medicine: The Allocation of Resources Within the Veterans' Health Care System," Public Policy (Summer 1977).

"Science, Technology, and Military Policy," in I. Speigel-Rosing and D. de Solla Price, editors, SCIENCE POLICY STUDIES IN PERSPECTIVE (Summer, 1977).

"Blood Policy Revisited," with S. Finkelstein, Public Interest (Winter 1977).

"A Solution to the 'Health Crisis,'" Policy Analysis (Winter 1977).

"Writing the Regulations for Health," with D. Altman, Policy Sciences (December 1976).

"The Future of the Veterans' Health Care System," with M. Lipsky et al., Journal of Health Politics, Policy and Law (Fall 1976).

"Terminating Federal Research and Development Programs," with W.H. Lambright, Policy Sciences (June 1976).

"Science Policy," in F. Greenstein and N. Polsby, editors, THE HANDBOOK OF POLITICAL SCIENCE, Vol. 6 (Addison-Wesley, 1975).

"Science and Technology Policy in the United States," WINKLER PRIMS REDACTIE ENCYCLOPEDIA (Elsevier, 1973).

"Technological Innovators: Admirals Raborn and Rickover," a paper delivered at the Second Annual Naval Historical Symposium, United States Naval Academy, Annapolis, April 28, 1973. Symposium Proceedings USNA (1974).

"The Politics of Aerospace Allocations," a paper delivered at the M.I.T. Alumni Conference, Cambridge, April 1971. Reprinted in S. Brown, editor, CHANGING CAREERS IN SCIENCE AND ENGINEERING (M.I.T. Press, 1972).

"The Massachusetts Governor's Advisory Committee for Science and Technology: A Committee in Search of a Mission," November 1970. Available through National Technical Information Service, #PB-24-634 (December 1973).

"Science Policy in American State Government," Minerva (July 1971).

"Inducing Poor Children to Learn," with A. Effrat and R. Feldman, reprinted in J. Guthrie and E. Wynne, NEW MODELS FOR PUBLIC EDUCATION (Prentice-Hall, 1971).

"Science, Voters, and the Fluoridation Controversy," reprinted in J. Ivany, ENVIRONMENT: READINGS FOR TEACHERS (Addison-Wesley, 1971) and R. Knelman, CURRENT ISSUES AND PROBLEMS IN MODERN SCIENCE (Wadsworth, 1971).

"The Ballistic Missile Solution to the Urban Crisis," October 21, 1969. Proceedings of the Advisory Panel Meeting on the Program for the Eastern Regional Conference on Science and Technology for Public Programs, New England Economic Research Foundation (April 1970).

"What May or May Not Happen to Research If and When Priorities Change," SPPSG Newsletter (March 1970).

"Social Scientists' Views of a Controversy in Science," American Journal of Clinical Nutrition (August 1969).

"The Fluoridation Controversy: An Alternative Explanation," Public Opinion Quarterly (Summer 1969).

"Inducing Poor Children to Learn," with A. Effrat and R. Feldman, Public Interest (Spring 1969).

"Science, Voters, and the Fluoridation Controversy," Science (25 October 1968).

"Science Advice for State and Local Government," Science (April 19, 1968).

"Advisory Network for Federal Science," Bulletin of Atomic Scientists (March 1968).

"Organizational Competition and Monopoly," Public Policy, the Yearbook of the Kennedy School of Government, Harvard University (1968).

"Technology and Politics," Datamation (October 1967).

"Organizational Structure and Innovation," Journal of Business of the University of Chicago (October 1967).

REVIEWS

Review of Stephen Harrison and Ruth McDonald, THE POLITICS OF HEALTHCARE IN BRITAIN, forthcoming.

Review of John Krige, AMERICAN HEGEMONY AND THE POSTWAR RECONSTRUCTION OF SCIENCE IN EUROPE, Journal of Interdisciplinary History, 38:4 (Spring 2008).

Review of Allan A. Needell's, COLD WAR, AND THE AMERICAN STATE: LLOYD V. BERKNER AND THE BALANCE OF PROFESSIONAL IDEALS, Journal of Cold War Studies 5:3 (Summer 2003).

Review of Ron Westrum, SIDEWINDER: CREATIVE MISSILE DEVELOPMENT AT CHINA LAKE, ISIS, March 2001.

Review of Theo Farrell, WEAPONS WITHOUT A CAUSE: THE POLITICS OF WEAPONS ACQUISITION IN THE UNITED STATES, Contemporary Security Policy (Winter 1997).
REVIEWS (continued)

Review of Graham Spinardi, FROM POLARIS TO TRIDENT, Survival (Summer 1995).

Review of Scott Sagan, THE LIMITS OF SAFETY, The Journal of Interdisciplinary History (Summer 1995).

Review of Colin Burke, INFORMATION AND SECRECY: VANEVAR BUSH, ULTRA, AND THE OTHER MEMEX, The Journal of Military History (October 1994).

Review of Susan Bartlett Foote, MANAGING THE MEDICAL ARMS RACE, Journal of Health Politics, Policy and Law (Fall 1994).

Review of Brian Martin, SCIENTIFIC KNOWLEDGE IN CONTROVERSY, Bulletin of the History of Medicine (Fall 1994).

Review of Stuart W. Leslie, THE COLD WAR AND AMERICAN SCIENCE, Spectrum (April 1994).

Review of Chris Demchak, MILITARY ORGANIZATIONS, COMPLEX MACHINES, American Political Science Review (June 1992).

Review of Charles Perrow and Mauro Guillen, THE AIDS DISASTER, Journal of Health Politics, Policy and Law (Fall 1991).

Review of James A. Morone, THE DEMOCRATIC WISH, Journal of Health Politics, Policy and Law (Winter 1991).

Review of Louise B. Russell, MEDICARE'S NEW HOSPITAL PROSPECTIVE PAYMENT SYSTEM: IS IT WORKING?, Journal of Health Politics, Policy and Law (Winter 1990).

Review of Edward Wenk, Jr., TRADEOFFS: IMPERATIVES OF CHOICE IN A HIGH-TECH WORLD, Ethics (January 1990).

Review of Kenneth P. Werrell, THE EVOLUTION OF THE CRUISE MISSILE, Armed Forces and Society (Summer 1987).

Review of W. Henry Lambright, PRESIDENTIAL MANAGEMENT OF SCIENCE AND TECHNOLOGY: THE JOHNSON PRESIDENCY, American Scientist (November 1986).

Review of Alfred A. Marcus, THE ADVERSARY ECONOMY: BUSINESS RESPONSES TO CHANGING GOVERNMENT REQUIREMENTS, Technology Review (October 1985).

"Comments on Leman's Analysis of Direct Federal Provision of Goods and Services," a paper delivered at the Urban Institute Tools of Government Symposium, Washington, DC, July 1984.

Review of T. Marmor, POLITICAL ANALYSIS AND AMERICAN MEDICAL CARE: ESSAYS, Journal of Health Politics, Policy and Law (Summer 1984).

Review of B. Gray, editor, THE NEW HEALTH CARE FOR PROFIT: DOCTORS AND HOSPITALS IN A COMPETITIVE ENVIRONMENT, Journal of Health Politics, Policy and Law (Spring 1984).

Review of P. Hagen, BLOOD: GIFT OR MERCHANDISE, Journal of Health Politics, Policy and Law (Winter 1984).

Review of A. Heidenheimer and N. Elvander, THE SHAPING OF THE SWEDISH HEALTH SYSTEM, Journal of Health Politics, Policy and Law (Winter 1982).

Review of E. Beard, DEVELOPING THE ICBM, American Political Science Review (December 1978).

Review of W. Wallis, AN OVERGOVERNED SOCIETY, Sloan Management Review (Winter 1978).

Review of M. McGuire et al., SOVIET NAVAL POLICY, American Political Science Review (December 1977).

Review of D. Gill, THE CHALLENGE OF SOCIAL EQUITY, Social Science and Medicine (Fall 1977).

Review of G. Benveniste, THE POLITICS OF EXPERTISE, American Political Science Review (March 1975).

Review of L. Sayles and M. Chandler, MANAGING LARGE SYSTEMS: ORGANIZATIONS FOR THE FUTURE, Administrative Science Quarterly (March 1974).

"The Lazzaroni in the Atomic Age," a review essay, Technology Review (July/August 1970).

Review of H. Scheiber, OHIO CANAL ERA: A CASE STUDY OF GOVERNMENT AND THE ECONOMY, 1820-1861, Administrative Science Quarterly (June 1970).

Reviews of E. Shills, CRITERIA FOR SCIENTIFIC DEVELOPMENT: PUBLIC POLICY AND NATIONAL GOALS, and H. Brooks, THE GOVERNMENT OF SCIENCE, American Journal of Sociology (January 1969).

REPORTS

Restraint Strategy, with Daryl Press, Eugene Gholz, Benjamin Friedman, and Michael Schrage, Center for Strategic and Budgetary Analysis, July 2008.

Annual Reports, MIT Security Studies Program, 1989-2006.

In the Public Interest. Report of the Ad Hoc Faculty Committee on Access to and Disclosure of Scientific Information, with Sheila E. Widnall, Vincent Chan, Stephen C. Graves and Jerome I. Friedman, MIT, June 12, 2002.

The Search for Credibility with Larry McCray, for the MIT Program on Regulation and the Environment, September 16, 1998

Antisubmarine Warfare After the Cold War with Owen Cote, summary report of a MIT Security Studies Conference, September 1997.

The Global Positioning System: Civil and Military Uses, summary report for the 4th Annual James H. Doolittle Conference, October 1997.

The Life Cycle of Health Care Reform: The Case of New Jersey, with Sanford Weiner, with the support of the Robert Wood Johnson Foundation, January 1994.

An Analysis of the Quest for Acquisition Reform in the United States, with Eugene Gholz and Ethan McKinney, for the Lean Aircraft Initiative, February 1994.

The Road to the Future: Systems Integration at Hanscom AFB, with Sanford Weiner, December 1994.

Future of Technology Policy Studies at M.I.T., January 1989.

Proceedings of the M.I.T. Symposium on World Telecommunications Policy, editor, (June 1988).

The Evaluation of the DRG Method for Hospital Reimbursement in New Jersey, Final Project Report, submitted to The Robert Wood Johnson Foundation, August 1986.

Report of the Institute of Medicine Study Committee, coauthored, National Academy of Sciences, 1984.

The Health Care Problems of Hartford, report to the Health Systems Agency of North Central Connecticut, May 1982.

The FREIR Report: Federal Research on the Biological and Health Effects of Ionizing Radiation, authored Chapter 10: Research Management (Washington, DC: National Academy Press, 1981).

"Swedish National Board for Technical Development," M.I.T. Center for Policy Alternatives Working Paper, March 1981.

National Policies to Promote Industrial Innovation, M.I.T. Center for Policy Alternatives, February 1981.

"Organizational Interests in the End Stage Renal Disease Program," with J. Prottas, University Health Policy Consortium, April 1980.

"Rats, Bats and Bureaucrats," with S. Weiner, paper for the Committee on Pest Management, National Academy of Sciences, September 1979.

"Capital Ideas: Options for the Control of Health Care Capital," University Health Policy Consortium, May 1979.

"The Impact of Federal Programs on Performance in the Health Sector," co-author, Report of the University Health Policy Consortium to the Federal Trade Commission, February 1979.

The Allocation of Resources for Veterans' Health Care, a report to the Committee on Health Care Resources in the VA, National Academy of Sciences, December 1974.

Conference Report, Technology Innovation, Naval War College Conference held in Arlington, Virginia (February 1974).

"Government and the Development of the Artificial Heart," Appendix A, The Totally Implantable Artificial Heart, a report of the Artificial Heart Assessment Panel of the National Heart and Lung Institute, National Institutes of Health (June 1973).

On the Direction of Federal Policies Affecting the Universities, a report to the Commission on M.I.T. Education, September 1970. Reprinted as Appendix E to the Commission's report, Creative Renewal on a Time Crisis (November 1970).

The State of Science: Past Perfect, Future Tense, a report to the M.I.T. Committee on Science Funding, December 1969.

Creating the Fleet Ballistic Missile System, a report to the Assistant Secretary of the Navy (Research and Development), two volumes, October 1969.

"Science and Public Policy: An Introductory Bibliography," with D. Rich (April 1968). Reprinted in Science and Public Policy, Seminar Readings, National Institutes of Health (October 1968).

COMMENTS AND OPINIONS

"US Military Doctrine since the Cold War," e-International Relations (e-IR), May 6, 2009.

"Let's Make a Deal," Armed Forces Journal, (May 2009).

"Let's Skip Acquisition Reform This Time," Defense News, February 8, 2009.

"No to Africa Command," with Benjamin Friedman, Defense News, (April 2, 2007).

"US does have a race problem – it has failed to integrate black Americans," Letter to the Editor, Financial Times (October 21, 2006).

"How Many Yards?" with John Shephard, Daily Press (November 13, 2005)

"Five Shipyards Too Many", with John Shephard, Washington Post (November 8, 2005)

"Opposing US over Iraq Will Risk the 'Special Relationship'", Letter to the Editor, Financial Times (U.K. Edition, August 9, 2002) p. 14

"The US Should Not Run Afghanistan", Letter to the Editor, Financial Times (U.K. Edition, October 2, 2001)

"U.S. Has Window To Skip Weapon Generation" with Eugene Gholz, Defense News Vol. 16, No. 18 (May 7, 2001) pp. 20

"Silent Soldiers," Letter to the Editor, Washington Post (August 20, 2000).

"The Coming American Revolution?" Letter to the Editor, International Herald Tribune (Thursday, January 20, 2000).

"Confused over the US's role in the world," Letter to the Editor, The Financial Times (Friday, October 15, 1999).

"Mercantilism turned out to be a silent killer," op-ed with Nicholas Bredie, Journal of Commerce (Oct. 4, 1999).

"Do Casualties Drive Policy?" op-ed with Jeremy Shapiro, Defense News (Sept.27, 1999) Vol. 14, No. 38.

"Europe's Independence," Letter to the Editor, International Herald Tribune, Friday, June 11, 1999.

"Partnerships Cut Both Ways," Letter to the Editor, Financial Times, Thursday, February 11, 1999.

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