

## **2006 CURRICULUM VITAE**

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### **Education**

Ph.D., Brandeis University, 1973. Sociology and Anthropology

A.B., Harvard University, 1968. Social Psychology.

### **Selected Publications**

#### **Books**

Biological Weapons: From the Invention of State-Sponsored Programs to Contemporary Bioterrorism (Columbia University Press, 2005)

Anthrax: The Investigation of a Deadly Outbreak (University of California Press, 1999; paperback, 2001)

Mixed Blessings: Intensive Care for Newborns (Oxford University Press, 1986, revised 1991, with Lynda Lytle Holmstrom)

Anthropological Realities: Readings in the Science of Culture (Transaction Books, 1982; second edition, 1984).

Urban Renegades: The Cultural Strategy of American Indians (Columbia University Press, 1976)

## **Selected Articles, Book Chapters, and Essays**

### *On Biological Weapons and Arms Control*

“Inventing Bioterrorism: The Political Construction of Civilian Risk” in Betsy Hartmann, Banu Subramaniam, and Charles Zerner, eds., *Making Threats: Biofears and Environmental Anxieties* (New York: Rowman & Littlefield, 2005), 197-216.

“National Security Objectives and International Norms against Collective Murder in the Nuremberg and Tokyo War Crimes Trials” 22<sup>nd</sup> Workshop on the Implementation of the Chemical and Biological Weapons Conventions, Geneva, Switzerland, December 3-4, 2005.

“Generalizations from the History of Biological Weapons: The Limits of National Security Policy in Containing Threats in the 21<sup>st</sup> Century” Paper presented at the April 2005 International Bioterrorism Conference, Center for Security Studies, Swiss Federal Institute of Technology, Zurich.

“Introduction” to Frederic J. Brown, *Chemical Warfare: A Study in Restraints* (New Brunswick, NJ: Transaction) 2005, xiii-xxv.

“Medical Risks and the Volunteer Army” in Pamela Frese and Margaret Harrell (eds.) *Anthropology and the United States Military. Coming of Age in the Twenty-first Century*. New York: Palgrave, 2003, 29-48.

“The Deliberate Release of Anthrax Spores through the US Postal System” Appendix 4.3 in *PublicHealth Response to Biological and Chemical Weapons: Guidance from the World Health Organization*. Geneva: WHO, 2004. (<http://www.who.org>)

“The Political Determinants of Late Diagnosis: The 1979 Sverdlovsk Anthrax Epidemic and the 1972 Smallpox Epidemic” in R. Gupta and M. Perio (eds.) *Proceedings of the 2002 Conference on Confronting Terrorism* Los Alamos National Laboratories.

"The 1979 Anthrax Outbreak in the USSR: Applied Science and Political Controversy" *Journal of the American Philosophical Society* January 2002

"Detecting Anthrax: What We Learned from the 1979 Sverdlovsk Outbreak" in M. Dando et al. (eds.) *Scientific and Technical Means of Distinguishing Between Natural and Other Outbreaks of Disease*, Kluwer Academic Publishers, 2001, 23-30.

"Soldiers' Rights and Medical Risks: The Protest Against Universal Anthrax Vaccinations" *Human Rights Review* 2000, 1 (4): 124-139.

"*Bacillus Anthracis: Infection Revisited*" with T.C. Dixon, M. Meselson, and P. Hanna, *New England Journal of Medicine* 1999; 1: 815-825.

"The Sverdlovsk Anthrax Outbreak of 1979" with Matthew Meselson et al. in *Science* 1994, 266, 18 Nov., 1994, 1202-1208. Reprinted in Joshua Lederberg, ed., Biological Weapons: Limiting the Threat (Belfer Center for Science and International Affairs, Harvard University) 1999, 314-320.

"Yellow Rain: the Story Collapses" with Julian Robinson and Matthew Meselson, in *Foreign Policy* 1987, 68: 100-17. Reprinted in Susan Wright, ed., Preventing a Biological Arms Race (MIT Press) 1990, 220-238.

### *On Medical History, Technology, and Science*

"Choosing Scientific Patrimony: Sir Ronald Ross, Alphonse Laveran, and the Mosquito Vector Hypothesis for Malaria" *Journal of the History of Medicine* 2002, 57: 385-409.

"Miasma, Science and Technology in the History of Malaria" *Molecular Interventions* December, 2002, 3 (4), 18-22.

"Spiritual and Religious Components of Patient Care in the Neonatal Intensive Care Unit: Sacred Themes in a Secular Setting" with E. Catlin, M.M. Thiel, S. Hammond, M. L. Wang and J. O'Donnell. *Journal of Perinatology* 2001, 21 (3): 426-430.

"Age and Gender in the Use of On-line Preventive Health Care Programs" with P Galvin et al. Summary Report of the HealthAware Project, April, 2000, National Library of Medicine, Bethesda MD.

"Moral and Ethical Dilemmas in Critically-ill Newborns: A 20-Year Follow-up Survey of Massachusetts Pediatricians" with I. David Todres et al. *Journal of Perinatology* 2000, 1:6-12.

"Bioethics and the Coming of the Corporation to Medicine" in Raymond De Vries and Janardan Subedi (eds.) Bioethics and Society: Constructing the Ethical Enterprise (Prentice-Hall) 1998, 60-77.

"Experiment and Illusion in Reproductive Medicine" in *Human Nature* 1994, 5 (1): 1-22.

"Planning to Die" *Society* 29:5, July/August 1992, 29-33 (excerpted in *The Chronicle of Higher Education*, August 5, 1992, B5.) Reprinted in Carolyn Wiener and Anselm Strauss (eds.) When Medicine Fails (Transaction Books) 1996, 73-82.

"Cesarean Birth--Social and Political Aspects" in Barbara Katz Rothman (ed.) Encyclopedia of Childbirth: Critical Perspectives (Oryx Press) 1992, 59-62.

"Newborn Intensive Care" with L. L. Holmstrom in Encyclopedia of Childbirth: Critical Perspectives (Oryx Press) 1992, 274-275.

"The Family in Newborn Intensive Care" in Karen Michaelson (ed.) Childbirth in America: Anthropological Perspectives (Bergin and Garvey) 1988, 194-203.

"Life-Saving Therapy for Newborns: A Questionnaire Survey in the State of Massachusetts" with I. David Todres et al. *Pediatrics*, 1988, 81 (3): 643-649.

"Deciding to Treat Newborns: Medical Technology and Pediatricians' Changing Values" with I. David Todres et al. in Linda Whiteford and Marilyn Poland, (eds.) Social Perspectives on Ethics and Human Reproduction (Westview Press), 1989, 70-83.

"The Business of Childbirth" with L. L. Holmstrom, *Society* July-August, 1986, 48-53; reprinted in Carol Wiener and Anselm Strauss (eds.) When Medicine Fails, (Transaction Books) 1996, 36-41.

### **Selected Presentations and Invited Conferences**

Invited Delegate, Pugwash Study Group on Chemical and Biological Weapons, Ninth Annual Meeting on the Biological Weapons Convention, Geneva, Switzerland, November 11, 2003, December 3, 2004, and December 4, 2005.

Invited Speaker, Belfer Center, Harvard University, Thursday Seminars, "The History of Biological Weapons" September 29, 2005.

Invited Speaker, "L'Histoire des Armes Biologiques" Science and Security Committee, French Academy of Sciences, Paris, France, October 24, 2005.

Invited Speaker, "Preventing the Misuse of the Biological Sciences" EMBO Annual Conference on Science and Society, Heidelberg, Germany, October 28, 2005.

Invited Participant, International Bioterrorism Conference, Center for Security Studies, Swiss Federal Institute of Technology, Zurich. Fueringen, Switzerland, April 22-25, 2005.

Invited Speaker, New York Academy of Sciences, Speaker Series on Science and Technology, "On Secrecy in the History of Biological Weapons" April 30, 2005.

Faculty, Massachusetts Institute of Technology Summer Executive Session, Biological Weapon and Biosecurity” July 2003, 2004, and 2005.

American Anthropological Association, Invited Session “Homeland Insecurities” November 20, 2003. “Biological Weapons and National Insecurities”

Executive Seminar on Domestic Preparedness, Harvard University, February 21-22, 2003.

University of Virginia Medical School, Program on Humanities and Ethics, Invited Lecturer, February 5, 2003. “Investigating Anthrax”

“The 1979 Sverdlovsk Anthrax Outbreak Investigation” US Army, Fort Detrick, Maryland, April 17, 2002.

“Confronting Bioterrorism” Conference, Los Alamos National Laboratories, Los Alamos, New Mexico, March 10, 2002.

"Miasma, Public Health, and the Reinvention of Bioterrorism" University College London, Department of Science and Technology Studies Seminar Series, London, UK, November 27, 2000.

American Anthropological Association Meetings, San Francisco CA, "Ethnicity, Terrorism, and Weapons of Mass Destruction" Public Policy Forum, Anthropology of Politics and Law Section, November 15, 2000.

New York Council on Foreign Relations "Anthrax and US Policy Regarding Bioterrorism and Homeland Defense" June 7, 2000.

“Anthrax: Du Laboratoire de Pasteur aux Armes Biologiques” Faculty of Medicine, Institut Varnet, l'Hôpital Necker, Paris, September 30, 1999.

### **Project Funding and Research Experience**

January 2003. John T. and Catherine A. MacArthur Foundation Global Security Research and Writing Grant \$50,000 “The 2001 Anthrax Postal Attacks.”

September 2002, Dibner Institute for the Study of the History of Science and Technology, MIT, \$17,500. “History of Biological Weapons: Canada and the United Kingdom, 1938-1945.”

December 1996-December 1999. Principal Investigator "HealthAware" Pilot Program on Preventive Health Care Programs. National Library of Medicine, Information Infrastructure Program, Contract #NO1-LM-6-3539. \$525,000 awarded to Boston College.

June 1992 and August 1993. Field work and Epidemiology in Ekaterinburg, Russia, to investigate the 1979 Sverdlovsk Anthrax Epidemic, supported by a \$25,000 grant from the John T. and Catherine A. McArthur Foundation to Harvard University and by \$1000 research grant from Boston College.

September 1985-June 1986. Boston College 80% Sabbatical Award for completion of manuscript on newborn intensive care.

June-August 1985. Summer Research Grant (\$3000), Boston College.

January-May 1983. Research on Inequalities in Health Care, supported with a \$5000 grant from the Commonwealth Fund.

August 1981-July 1982. National Endowment for the Humanities Fellowship for Research on Medical Ethics (\$16,000), The Hastings Center, New York.

August 1978-July 1979. American Anthropological Association Congressional Fellowship (\$10,000).

### **Professional Awards and Appointments**

Senior Fellow, Dibner Institute for the Study of the History of Science and Technology, MIT, 2002-2003.

Fellow, American Anthropological Association; AAA Program Board member and Program Chair, Political and Legal Anthropology Section, 1999-present.

Fellow, Society for Applied Anthropology, 1984-present.

Editorial Associate, Decision Systems Group, Brigham & Women's Hospital, Boston, 1996-1999.

Member, Editorial Board, *Human Rights Review*. 1999-2002

Member, Editorial Board, *Society/Transaction*. 1988-1997

Member, Board of Directors, Transaction Books, 1996-present

Member, Editorial Board, *American Journal of Perinatology*, 1980-1988.

Member, Board of Trustees, Library of Congress, The American Folklife Center, 1982-1988, Chair of the Board, 1986-1987.

Member, Massachusetts General Hospital, Department of Pediatrics Ethics Committee, 1982-1984.

Member, Child Health and Development Advisory Committee, Scientists' Institute for Public Information, New York, 1985-92.

National Endowment for the Humanities Research Fellow, The Hastings Center for the Study of Society, Ethics and the Life Sciences, New York, 1980-81.

Congressional Fellow, American Anthropological Association, 1978-1979 (House Health Subcommittee and Senate Finance Committee).

Member, Consensus Task Force on Cesarean Childbirth, National Institutes of Health, 1980-81.

Radcliffe Institute, Bunting Fellow, 1972-73.

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