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EDUCATION

Ph.D., Sociology, Johns Hopkins University, 1969
M.S., Engineering, UCLA, 1964
B.S., Physics, Illinois Institute of Technology, 1961

PROFESSIONAL EXPERIENCE

Professor (AP until 1976), Maxwell School, Syracuse University, 1971 to present.
Assistant Professor, Sociology, Stanford University, 1968-71.
Operations Research Analyst, Lockheed Missile & Space Corp., Sunnyvale CA, 1967-68.
Instructor, Political Science, MIT, 1966-67.
Research Engineer, North American Aviation, Downey CA, 1961-64.

HONORS AND NOTABLE APPOINTMENTS

Gilbert White Fellow, Resources for the Future, Washington DC, 2000-01.
Fellow of the American Association for the Advancement of Science, since 1992.
Committee B on Professional Ethics of the AAUP, Washington DC, 1990-2002.
Governing Board, New York State Lung Research Institute, 1985-87.
Guest professor, University of Marburg, Germany, summer 1997.
Guest professor, ZUMA, Mannheim, Germany, 1993.
Who's Who in America, since 1982.
Task Force of the Presidential Advisory Group on Anticipated Advances in Science and Technology (Ford Administration), 1975-76.

SPECIALTIES

Sociology of science, technology & environment; Biosociology; Research methods

PUBLICATIONS

In press

“Believers and Disbelievers in Evolution.” *Politics and the Life Sciences*.

“Amadeus Grabau in China, Part I, Columbia University to Peking University.”
Northeastern Geology and Environmental Science.

“Amadeus Grabau in China, Part II, The Peking Circle.” *Northeastern Geology and Environmental Science*.

“Amadeus Grabau in China, Part III, Amadeus Triumphant.” *Northeastern Geology and Environmental Science*.

“Amadeus Grabau in China, Part IV, Omega.” *Northeastern Geology and Environmental Science*.

“Testosterone.” In N. Salkind (Ed.), *Encyclopedia of Human Development*. Sage.

2005

Biosociology of Dominance and Deference. Rowman & Littlefield.

Global Social Problems: Revised Edition, 2005 (self-published). Originally Prentice-Hall, 1991.

“Testosterone Supplementation in the Aging Male: Which Questions Have to be Answered?” coauthor. *The Aging Male* 8: 31-38.

2004

True Warnings and False Alarms: Evaluating Fears about the Health Risks of Technology, 1948-1971. Resources for the Future.

A Romance in Natural History: The Lives and Works of Amadeus Grabau and Mary Antin. Garret (self-published).

“Beyond Linguistic Alignment.” *Behavioral and Brain Sciences* 27: 37-38.

“Amadeus Grabau and Earth Science in Beijing, 1920 to World War II.” *Northeastern Geology & Environmental Science* 26.

2003

“The youthful authors...” *Risk Research* 6: 613-615.

2002

"Causes of Sexual Decline in Aging Married Men: Germany and America," coauthor. *International Journal of Impotence Research* 14: 101-106.

“Measurement of Steroid Levels in Saliva in a Population-based Survey of Lifestyle, Medical Conditions, Marriage, Sex Life and Hormone Status in Aging Men,” coauthor. *The Aging Male* 5: 203-215/

"State Policies to Improve Air Quality," coauthor. In A. Mol and F. Buttel (Eds.), *The Environmental State Under Pressure*. Elsevier

"Take a Chimp, Add Language, Melt the Glaciers..." *Journal for the Theory of Social Behavior* 32: 29-93.

Book review/essay: "Does Testosterone Cause Machismo?" *Contemporary Psychology*

47: 275-276.

2001

"Biases About Man-made Cancer Among Researchers," coauthor. *Social Studies of Science* 31: 771-777.

"Evidence of Unconstrained Directional Selection for Male Tallness," coauthor. *Behavioral Ecology and Sociobiology* 50: 302-311.

"Looking Back at Fluoridation," *Risk: Health, Safety & Environment* 12:59-65.

"Science in A Civil Action," *Society* 38 (March/April): 27-31.

"Darwin and Sociology: Oil and Water." Pp. 235-245 in S. Peterson and A. Somit (Eds.), *Evolutionary Approaches in Behavioral Sciences*. JAI Press.

2000

"Looking Back: Unneeded X-rays," *Risk: Health, Safety & Environment* 11: 1-8.

"Voluntary Behavior by Electric Utilities: Levels of Adoption and Contribution of the Climate Challenge Program to Reduction of Carbon Dioxide," coauthor. *Journal of Policy Analysis and Management* 19: 407-425.

"I Doubt Evolutionary Explanation," *Behavioral and Brain Sciences* 23: 612.

1999

"The Geography of Environmentalism," coauthor. *Environmental Science & Policy* 2: 389-396.

"The Biosociology of Testosterone in Men," coauthor. Pp. 311-38 in D. Franks (Ed.), *Social Perspectives on Emotion, Vol. V: Mind, Brains and Society*. JAI Press.

"Looking Back: Synthetic Turf and Football Injuries," coauthor. *Risk: Health, Safety & Environment* 10: 1-6.

"Looking Back: Cyclamate," coauthor. *Risk: Health, Safety & Environment* 10: 95-100.

Attitudes About Long Island Sound, coauthor. *Save the Sound*.

1998

A Hazardous Inquiry: The Rashomon Effect at Love Canal. Harvard University Press.

"Global Environment In the News: 1987-90 Versus 1992-96." *International Sociology* 13: 457-472. Reprinted in C. Humphrey, T. Lewis, and F. Buttell (Eds.), *Environment, Energy, and Society: Exemplary Works*. Belmont CA: Wadsworth/Thommpson Learning.

"Marriage, Divorce, and Male Testosterone," coauthor. *Social Forces* 77: 315-30.

"Testosterone and Dominance in Men," coauthor. *Behavioral and Brain Sciences* 21: 353-63.

"Reproductive Constraints on Dominance Competition in Male Homo Sapiens," coauthor. *Evolution and Human Behavior* 19: 387-397.

Letter: "Aging and Testosterone." *Science* 279 (16 January): 305-06.

1997

"Sex differences in Testosterone Response to a Video Game Contest," coauthor. *Evolution & Human Behavior* 18: 317-326.

"Facial Dominance in Homo Sapiens as Honest Signaling of Male Quality," coauthor. *Behavioral Ecology* 8: 569-579.

Introduction to Sociology Workbook, 2nd Ed, coauthor. Addison Wesley Longman.

1996

"Facial Dominance in West Point Cadets Predicts Military Rank 20+ Years Later," coauthor. *Social Forces* 74: 823-850.

"Channel Modeling: From West Point Cadet to General," coauthor. *Public Administration Review* 56: 191-198.

"Facial Dominance," coauthor. Pp. 99-111 in A. Somit and S. Peterson (Eds.), *Methods in Biopolitics*. JAI Press.

"Evolution in Humans of Macro-level Social Stratification and Language." Pp. 171-178 in K. Troitzsch, U. Mueller, G. Gilbert and J. Doren(Eds.), *Social Science Microsimulation*. Springer.

"Why Do We Worry About Trace Poisons?" *Risk* 7 (winter): 35-54.

"Science 3, Religion 0." *Society* 33 (May/June): 20-21.

"The Inevitability - and Limits - of Dissent." *21stC* 1 (winter): 5-6.

1995

"Biosocial Models of Deviant Behavior Among Male Army Veterans." *Biological Psychology* 41: 271-293.

"Was Vietnam a Class War?" *Armed Forces & Society* 21: 455-59.

Book review/essay: "Justice Breyer's Views on Technical Risk," *Minerva* 33: 291-93.

1994

Editor: Special issue (July) on risk in the news, *Risk* 5.

"Technical Risk in the Mass Media." *Risk* 5: 189-92.

"How Does Population Growth Contribute to U.S. Energy Consumption?" *Population and Environment* 15: 371-78.

"Do Cortisol and Thyroxin Correlate with Nervousness and Depression Among Male Army Veterans?" *Biological Psychology* 37: 259-63.

"A Neurohormonal Model of Social Stratification Among Humans," in L. Ellis (Ed.), *Social Stratification and Socioeconomic Inequality*, Vol. 2, Praeger: 37-45.

"Dominant Looking Male Teenagers Copulate Earlier," coauthor. *Ethology and Sociobiology* 15: 87-94, coauthor.

Book review/essay: "Reconsidering Sustainable Development," *Chemical & Engineering News*, January 3: 26-27.

Book review/essay: "The Human Difference...," *Society*, March/April: 82-83.

1993

"Sounding the Global Alarm: Environmental Issues in the National News." *Social Studies of Science*, coauthor, November: 681-720.

"Endogenous Testosterone and Competition: The Effect of Fasting." *Steroids*, coauthor, August: 348-50.

"Signs of Status in Bridal Portraits," *Sociological Forum*, June: 273-83.

"Quantity of Reporting about Hazards: The Case of Naturally Occurring Radon," in J. Nemeč, F. Siccardi, and J. Nigg (Eds.), *Prediction and Perception of Natural Hazards*, Netherlands: Kluwer: 199-202.

"The Science Court: Reminiscence and Retrospective," *Risk*, spring: 161-70.

"Treatment of Allegations of Research Misconduct by American Universities," in D. Cheney (Ed.), *Ethical Issues In Research*, University Publishing Group.

1992

"Testosterone and Chess Competition," *Social Psychology Quarterly*, coauthor, March: 70-77.

Comment: "The Evolutionary Psychology of Rape and Food Robbery." *Behavioral and Brain Sciences*, June: 397.

Book review/essay: "The Hazards of Risk Assessment." *Chemical & Engineering News*, October 12: 76-77.

Book review/essay: "Determining the Truth in a Scientific Controversy." *Minerva*, winter: 582-84.

1991

Global Social Problems, Prentice-Hall.

"Putting Radon and Love Canal on the Public Agenda," in S. Couch and S. Kroll-Smith, *Communities at Risk: Collective Responses to Technological Hazards*, Peter Lang: 183-203.

Video: "Biosociology of Dominance and Deference," self produced.

1990

"Nuclear Power, Chemical Hazards, and the Quantity of Reporting," *Minerva* 28 (autumn): 294-323.

"Effects of Social Influence and Measured Exposure Level on Response to Radon," *Sociological Inquiry*, coauthor: 274-84.

"Trouble with the Soldiers?: Community Views of Fort Drum's Expansion," *Small Town*, coauthor: 26-28.

1989

"Testosterone, and Winning and Losing in Human Competition," *Hormones and Behavior*, coauthor: 556-71.

"Allegations of Dishonesty in Research and Their Treatment by American Universities,"

Minerva, Summer-Autumn: 177-94.

"The Experience of Universities in Handling Allegations of Fraud or Misconduct in Research," in Project on Scientific Fraud and Misconduct, American Association for the Advancement of Science: 69-94.

"Communicating Risk in the Mass Media," in D. Peck, Psychosocial Effects of Hazardous Waste Disposal on Communities, Charles P. Thomas: 119-37.

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"Periods and Question Marks in the Punctuated Evolution of Human Social Behaviour," Journal of Social and Biological Structures: 241-50. Reprinted in A. Somit and S. Peterson (Eds.), The Dynamics of Evolution, Cornell University Press, 1992.

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"What is Sharp?," in M. Barzelay, "Sampling in Legal Cases," Section 2.10 of L. Frumer and M. Friedman, Products Liability, Matthew Bender: 454-461.

Software package: CHIP: Social Survey Analysis, self published; revised 1992.

Executive producer of a film: "Thomas Szasz and the Myth of Mental Illness."

1988

Software package: Introductory Sociology Workbook (with CHIP software), Harper and Row Publishers, coauthor.

Software package: CHIP: Marriage and the Family, self published; revised 1992.

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"Shaping the Media Coverage of Environmental Risk," in P. Sandman, et al., Risk Communication for Environmental News Sources, Rutgers University.

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1987

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"Scientific Disputes over Policy," in H. Englehardt, Jr. and A. Caplan, Scientific
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Comment: "A Cork on a Wave," Politics and the Life Sciences, August: 22-23.

1986

Software Package: American Social Problems: Introduction to Chipendale, True BASIC;
revised 1992.

"U.S. Trends in Feminine Beauty and Overadaptation," Journal of Sex Research, August:
281-303.

"The Development of Political Values in Management, Engineering, and Journalism," in
R. Braungart, Research in Political Sociology, Vol. 2, JAI Press: 225-41.

1985

"A Biosocial Model of Status in Face-to-face Primate Groups." Social Forces, December:
377-402.

"The Mass Media in Environmental Controversies," in A. Brannigan and S. Goldenberg,
Social Responses to Technological Change, Greenwood Press: 119-33.

"Bias in Risk-Benefit Analysis," Technology in Society: 25-30.

1984

"Military Rank Attainment of a West Point Class: Effects of Cadets' Physical Features,"
coauthor, American Journal of Sociology, July: 125-50.

"The Journalists and Technology: Reporting About Love Canal and Three Mile Island,"
Minerva, spring: 45-66.

"Media Influences on Public Attitudes Toward Nuclear Power," in W. Freudenberg and
E. Rosa, Public Reaction to Nuclear Power, Westview: 97-114.

"Comments on 'Biobehaviorism and Small Group Research'," Politics and the Life
Sciences, August: 20-21.

1983

"Problems of Testing Inclusive Fitness Claims Among Humans, with an Example on Sibship," *Ethology and Sociobiology*: 225-29.

"Hormones, Aggression, and Dominance in Humans," in B. Svare, *Hormones and Aggressive Behavior*, Plenum: 563-76.

"Physiology, Dominance and Aggression in Humans," in A. Goldstein, *Prevention and Control of Aggression*, Pergamon: 145-55.

"Bomb Threats Against American Nuclear Energy Facilities," *Journal of Political and Military Sociology*, Spring: 109-21.

Interview: "What Your Body Language Tells Others," *U.S. News and World Report*, August 8: 56-57.

"Public Protests Against Technological Innovations," in G. Summers, *Technology and Social Change in Rural Areas*, Westview: 29-50.

"Experimental Renovation of Sociology," in J. Calhoun, *Environment and Population*, Praeger: 226-27.

Book review/essay: "Weapons and War," *Journal of Political and Military Sociology*, Fall: 339-41.

1982

"Bomb Threats and the Mass Media," *American Sociological Review*, June: 407-11.

"Future Shock: 1900-1930," *Proceedings of the Society for the History of Technology*, Milwaukee Public Museum.

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1981

"Media Coverage and Public Opinion on Scientific Controversies," *Journal of Communication*, Spring: 106-15.

The Dynamics of Technical Controversy, Communications Press. Chapter 9 reprinted in A. Teich, *Technology and the Future*, 4th and 5th eds., St. Martin's Press.

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"Culture and the Perception of Social Dominance from Facial Expression," coauthor,

Journal of Personality and Social Psychology, April: 615-26.

"A Cross-cultural Exploration of Physiognomic Traits of Dominance and Happiness," coauthor, Ethology and Sociobiology: 41-48.

"Opinion Poll Measurement of American Confidence in Science," Science, Technology & Human Values, Summer: 16-19.

"Solar Heaters in Israel," The Bulletin of the Atomic Scientists, February: 56-59.

"Three Mile Island and the Scientific Community," in T. Moss and D. Sills, The Three Mile Island Nuclear Accident, New York Academy of Sciences: 216-21.

"Large-scale Ocean Research Projects: What Makes Them Succeed or Fail?" coauthor, Social Studies of Science, November: 425-49.

Book review/essay: "Human Ethology, Sociobiology, Biosociology," Contemporary Sociology, May: 369-70.

1980

"Physiological Aspects of Communication Via Mutual Gaze," coauthor, American Journal of Sociology: 50-74.

"Testosterone, Status, and Mood in Human Males," coauthor, Hormones and Behavior: 236-46.

"The Rise and Fall of Public Opinion in Specific Social Movements," coauthor, Social Studies of Science, 259-84.

"Bias in Analysis in the Laetrile Controversy," in G. Markle and J. Petersen, Politics, Science, and Cancer, Westview: 175-80.

"Societal and Scientific Causes of the Historical Development of Risk Assessment," in J. Conrad, Society, Technology and Risk Assessment, Academic Press: 151-7; reprinted in German, 1983.

1979

"Incipient Status in Small Groups," coauthor, Social Forces, September: 18-37.

"Separating Factual Disputes from Value Disputes in Controversies over Technology," coauthor, Technology in Society: 229-37.

"Sociobiological Theory of Suicide," Sociological Symposium, Summer: 75-78.

"A Cross-cultural Study of Facial Status Gestures," coauthor, in L. Eckensberger, W. Lonner and Y. Poortinga, Cross-Cultural Contributions to Psychology, Lisse, The Netherlands: Swets and Zeitlinger.

1978

"Biological Explanation in Sociology," Sociological Quarterly, Autumn: 604-13; reprinted in T. Wiegeler, Biology and the Social Sciences.

"A Comparison of Movements Opposed to Nuclear Power, Fluoridation and Abortion," coauthor, in L. Kriesberg, Research in Social Movements, Conflicts and Change, JAI Press: 143-54.

"Heider's Balance Theory and the Jewish Mother-Son Relationship," Journal of Irreproducible Results, No.2: 8-9.

"Controversy Over a Local Nuclear Waste Repository," coauthor, Social Studies of Science, May: 235-43.

1977

"Facial Gestures Which Influence the Perception of Status," coauthor, Sociometry, December: 374-78.

"Science Courts," Minerva, Spring: 1-14.

"An Empirical Test of McClelland's 'Achieving Society Theory'," coauthor, Social Forces, March: 769-74.

"Public Confidence in Science," Social Studies of Science: 123-25.

"Interpersonal Spacing on Public Benches in 'Contact' vs. 'Noncontact' Cultures," Journal of Social Psychology: 53-58.

Portions of Proceedings of the Colloquium on the Science Court, U.S. Department of Commerce (PB-261 305): 79-86.

Book review/essay: "Persistent and Transient Issues in the Controversy Over Nuclear Power," Minerva, Autumn: 396-98.

1976

"Effects of Testosterone on Status in Primate Groups," Folia Primatologica, No. 3: 214-26.

"The Science Court Experiment," coauthor, Science, August 20: 653-56.

Book review/essay: "On Wilson's Sociobiology," *American Journal of Sociology*, November: 697-700.

1975

"Opposition to Technical Innovations," *Minerva*, January: 58-81.

"A Model of Behavior in Berger's Standard Experiment," *Journal of Mathematical Sociology*, No. 1: 83-92.

"Status Interactions in Dyads," *Proc. Soc. Gen. Systems Research*, January.

Comment: "Cross-Species Comparisons of Aggression," *American Sociological Review*, October: 677-78.

1974

"Energy and Lifestyle, coauthor, *Science*, November 15: 607-10.

"Validity Test of the Relationship Between Self Esteem and Psychosomatic Symptoms," coauthor, *Humboldt Journal of Social Relations*, No. 2: 144-45.

1973

"Cross-Species Comparison of Status in Small Established Groups," *American Sociological Review*, October: 513-30.

"Disputes Between Experts," *Minerva*, April: 214-62.

"Increased Tendency Toward Balance During Stressful Conflict," *Sociometry*, No. 2: 279-83; reprinted in H. Smith, *Strategies of Social Research*, Prentice-Hall, 1975, 1981.

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Comment: "Causes of Black Riots," *American Sociological Review*; reprinted in M. Pugh and J. Perry, *Collective Behavior: A Sourcebook*, West, 1978.

1972

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"Ethnicity and Jewish Social Scientists During the Six Day War," *Jewish Social Studies*, July: 243-47.

1971

"Accuracy of Classic Types of Ethnic Personalities," *Jewish Social Studies*, April: 187-211.

"Socialization of Jews into the Academic Subculture,
in C. Anderson and J. Murray, *The Professors*, Schenkman: 265-87.

"The Risks of Benefit-Risk Analysis," coauthor, *Proc. 6th Annual Health Physics Trop. Symp.*: 401 ff.

Comment: "Comment on Davis' Graph Models," *American Sociological Review*, April: 308-09.

1968

"A Nonrational Approach to Theories of Conflict and Coalitions," *Journal of Conflict Resolution*, June: 196-205.

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"Social Behavior of Semi-Free Ranging White-Lipped Tamarins," coauthor, *Psychological Reports*: 441-42.

1967

Comment: "Game Theory and Pathan Segmentary Opposition," *Man*, August.