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SCIENCE POLICY AND ADMINISTRATION

UNIVERSITY OF COLORADO
BOULDER, COLORADO

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ACHIEVEMENTS AND PLANS OF THE COMMITTEE ON SCIENCE POLICY AND ADMINISTRATION

The Committee on Science Policy and Administration was formed in the academic year 1980-81. It was funded in its program for the academic year 1981-82 by the Dean of the College of Arts and Sciences, the Vice Chancellor for Academic Affairs, and the President's Special Allocation Fund for Innovations in Teaching. Its membership is drawn from the natural and social sciences and the humanities (see Appendix 1). The Committee formulated as its aims (1) to increase the awareness of the faculty and the community about issues of science policy, and (2) to stimulate teaching and research on the larger issues of science policy.

During the academic year 1981-82 the program of the Committee (see Appendix 2) has been addressed to stimulating interest in science policy in the University community and to encouraging members of the faculty to do research on issues of science policy: experts in the field have lectured to the University community, while in the seminars members of the Committee have presented the outcomes of their research. Professor Peterson has prepared a paper on a method of monitoring Plutonium 239 content which avoids the political problems that at present seem so overwhelming. Professor Kenneth Hammond is involved in a research project on the resolution of conflicting expert scientific judgments about the radiation dangers at Rocky Flats. Professors Howard Smokler and Henry Etzkowitz are planning to carry out a pilot study during the summer of 1982 to investigate the personalities and values of entrepreneurial scientists. (Vitae of those faculty especially interested in the development of the program are included in Appendix 3 as well as a copy of the plan for summer research of Professors Smokler and Etzkowitz.)

In the academic year 1982-83 the Committee intends to organize a discussion group on the commercialization of basic research within the university. This phenomenon has important consequences for the state, industry, and especially the university and is an issue which if properly addressed can be of aid in formulating policy. The problem is currently under consideration by leading

research universities in the United States and was the subject of a recent meeting called by President Donald Kennedy of Stanford University (see Appendix 3 A, article in Chronicle of Higher Education, 4/7/82). It is clear from the guidelines developed in this meeting that the question is still a very open one. In addition, we plan a more modest program of two lectures and some seminars to accommodate research contributions by faculty. It would be wise to provide some small funding to allow for the publication of working papers.

There are a number of groups at the University of Colorado which have interests that overlap with those of the Committee. Three of these are the Center for Research on Judgment and Policy, the Center for the Study of Values and Social Policy, and the Committee on the History of Science. (See Appendices 4 and 5 for information on their activities.) Smokler is a member of all three.

Other groups exist that might become involved: the Center for Public Policy Research of the Political Science Department, groups of natural and social scientists interested in the environmental impacts of new technologies, the environmental impact group at NCAR, and persons at the law school interested in natural resources law.

In addition, there are a number of possibilities for inter-university cooperation. There are two groups interested in cooperation: one is at the University of Denver--the Program on Technology and Modernization of the Graduate School of International Studies. Professor Joseph Szyliowicz of GSIS is the director of the program which has been concerned with science policy for some time. The program was the recipient of a Sloan Foundation grant recently to foster its activities. The other group is headed by Professor Joseph Sneed of the Colorado School of Mines who is adjunct professor of philosophy at the University of Colorado and a member of the Committee on Science Policy. The CSM group is in the process of formation.

In the future the Committee on Science Policy could perform a catalytic

function in drawing these groups together into some kind of intellectual and institutional consortium. For the present, the exploration of the aforementioned issue is sufficient. An ongoing inter-university seminar would form a neutral atmosphere in which to delve into some of the policy issues important to universities. This seminar could take as its model the Columbia University Seminars organized in the fifties by Frank Tannenbaum.

Discussions have begun with representatives of the Sloan Foundation and the NSF for the funding of the latter activity.

Funding is requested for the activities of the Committee on Science Policy and Administration for the academic year 1982-83.

	Proposed Budget	
Two lectures	\$2400	(One of these speakers might also address the seminar group.)
Administrative assistant	2000	
Telephone, Copying, Taping	300	
Posters	260	
Advertising	125	
Publication costs of three working papers	600	(Includes editing, typing, proof-reading, cover design)
Costs for a year's seminars on commercialization and the university	1000	(Preparation of materials, small honoraria, travel expenses for regional invitees, refreshments, etc.)
Miscellaneous	375	
	<hr/>	
	\$7060	

The Dean of the College of Arts and Sciences of the University of Colorado intends to continue his funding of \$2500 for the academic year 1982-83, if budgeting exigencies do not force abandonment of this commitment.

UNIVERSITY OF COLORADO, BOULDER

Committee on Science Policy
and Administration



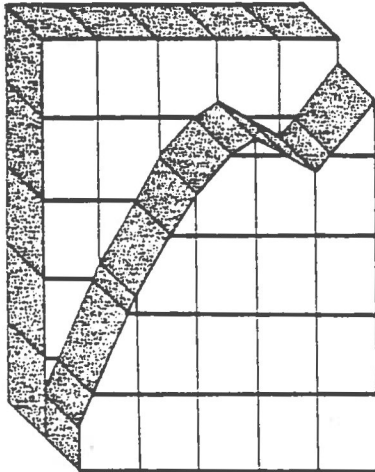
COMMITTEE MEMBERS - 1981-82

Associate Professor John Fisher, Department of Philosophy
Associate Professor Allan Franklin, Department of Physics
Professor Kenneth Hammond, Behavioral Science Institute *
Professor Gordon Hewes, Department of Anthropology
Professor Erle G. Kauffman, Department of Geology
Professor Jack J. Kraushaar, Department of Physics
Professor David A. Lind, Department of Physics
Professor Kim Malville, Department of Astro-Geophysics
Assistant Professor Moen, Department of Sociology
Professor R. J. Peterson, Department of Physics *
Professor Richard Pfaff, Department of Political Science *
Associate Professor William Reinhardt, Department of Mathematics
Professor William Safran, Department of Political Science
Professor Robert Sievers, Department of Chemistry
Professor Aaron Sayvetz, Center for Interdisciplinary Studies
Professor Howard Smokler, Department of Philosophy (Chairman of the Committee)*
Professor Joseph Sneed, Colorado School of Mines; adjunct professor of philosophy, CU *
Research Associate Thomas Stewart, Judgment Research Center

* Member, Steering Committee

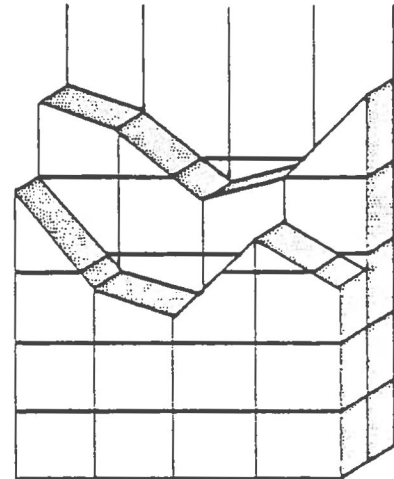
COMMITTEE ON

SCIENCE POLICY AND ADMINISTRATION



UNIVERSITY OF COLORADO, BOULDER

FALL 1981



LECTURES

Thursday
October 22
UMC 157
8 pm

Dr. Carole Ganz, National Science Foundation
**Scientific Knowledge As Legally Protected Property:
Implications for Academics**

Thursday
November 12
UMC Aspen Rooms
215, 216, 217
3 pm

Daniel Greenberg, Editor, SCIENCE AND GOVERNMENT REPORT
Science Policy and the Reagan Administration
(Cosponsored by the Committee on the History of Science)

SEMINARS

Thursday
October 1
UMC 153
3 pm

Professor Howard Smokler, University of Colorado
Science, Ideology and the State
(In conjunction with the Committee on the History of Science Seminar Series)

Thursday
November 19
UMC 153
4 pm

Dr. Walter Orr Roberts, Aspen Institute
**Science and Decision Here and Abroad: Some
Personal Reflections**

Thursday
December 10
UMC 153
4 pm

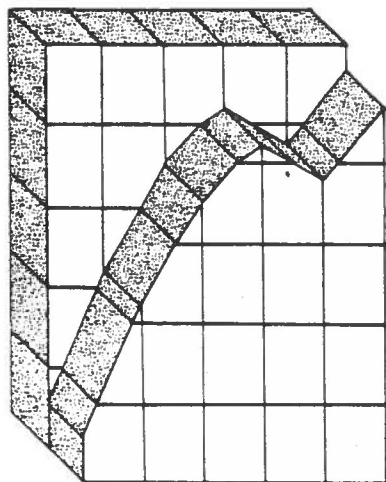
Professor William Safire, University of Colorado
**Political System, Culture and Science Policy:
A Comparative Analysis**

Committee on Science Policy and Administration
Campus Box 390 492-7610 or 492-8610
University of Colorado, Boulder

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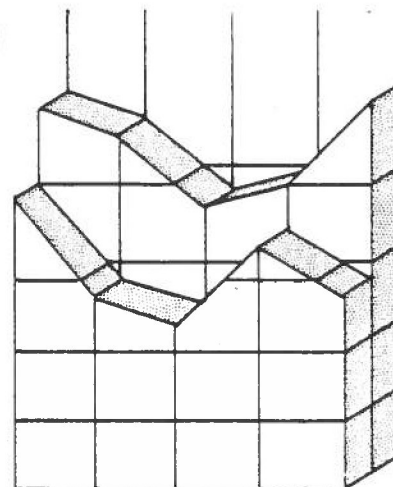
COMMITTEE ON

SCIENCE POLICY AND ADMINISTRATION



UNIVERSITY OF COLORADO, BOULDER

SPRING 1982



LECTURES

Thursday
February 4
Hellems 252
8 p.m.

Dr. Frank von Hippel, Center for Energy and Environmental Studies,
Princeton University
**The Emperor's New Clothes: The Need for Peer Review in
Public Policy Analysis**

Monday
March 29
UMC 157
8 p.m.

Professor Dorothy Nelkin, Program on Science, Technology
and Society, Cornell University
Social Control in the Changing Context of Science

SEMINARS

Thursday
February 18
UMC 158
4 p.m.

Professor Joseph Sneed, Colorado School of Mines
Distinguishing Basic and Applied Research

Thursday
March 18
UMC 159
4 p.m.

Professor Richard Pfaff, University of Colorado
Some Thoughts on "Islamic" Science

Committee on Science Policy and Administration
Campus Box 390 492-7610 or 492-8610
University of Colorado, Boulder

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Sept. 1981

VITA

NAME: Allan David Franklin

BORN: August 1, 1938, Brooklyn, N. Y.

EDUCATION: A.B., Columbia College, 1959
Ph.D., Cornell University, 1965

EXPERIENCE:

Research Associate, Physics Dept., Princeton University,
2/65 - 6/66.

Instructor, Princeton University, 7/66 - 9/67.

Assistant Professor, University of Colorado, 1967 - 1973

Associate Professor, University of Colorado, 1973 -

PUBLICATIONS

1. "Search for a Photoproduced η^0 Mesons" K. Berkelman, A. Franklin, D. McLeod, S. Richert, and A. Silverman, *Il Nuovo Cimento* XXVII, 497 (1963).
2. "Photoproduction of the ρ^0 Meson", A. D. Franklin, D. R. Rust, A. S. Silverman, C. K. Sinclair, and R. M. Talman, *Physical Review Letters*, 13, 491 (1964).
3. "Measurement of the K^+e2 Branching Ratio", D. R. Bowen, A. K. Mann, W. K. McFarlane, A. D. Franklin, E. B. Hughes, R. L. Imlay, G. K. O'Neill, and D. H. Reading, *Physical Review* 154, No. 5, 1314 (1967).
4. "Energy Dependence of the Form Factor in K^+e3 Decay", R. L. Imlay, P. T. Eschstruth, A. D. Franklin, E. B. Hughes, D. H. Reading, D. R. Bowen, A. K. Mann and W. K. McFarlane, *Physical Review* 160 No. 5, 1203 (1967).
5. "Evidence Concerning the Possible Existence of an Excited Electron in the Decays $\Pi^+(k^+) \rightarrow e^+ + \nu e$ ", S. Barshay and A. Franklin, *Physical Review* 160 No. 5, 1294 (1967).
6. "Positron Momentum Spectrum and Branching Ratio of K^+e3 Decay", P. T. Eschstruth, A. D. Franklin, E. B. Hughes, R. L. Imlay, D. H. Reading, D. R. Bower, A. K. Mann, *Phys. Rev.* 165 No. 5 (1968).
7. "Design and Performance of a Streamer Chamber for Use in Neutral Beams", P. T. Eschstruth, A. D. Franklin, E. B. Hughes, B. W. Gibbs, F. V. Murphy, D. H. Reading, K. E. Wwright, *Nuclear Instruments and Methods* 63 (1968).
8. "Strange Particle Production in 6.7 BeV/c π -p Interactions", M. Dickinson, A. D. Franklin, L. Marshall Libby, *Bull. Am. Phys. Soc. Series II*, Vol. 13, #4 (1968).
9. "Scattering of Antineutrons on Protons" R. R. Socash and A. D. Franklin, *Bull. Am. Phys. Soc. Series II*. Vol. 14, #1 (1969); *Phys. Rev.* 184, No. 5, 1413 (1969).
10. "Coherent Production of the Q and L Mesons Off Deuterium", A.D. Franklin, A. Eide, G. Godden, L. M. Libby, and R. R. Socash, *Bull. Am. Phys. Soc. Series II*, Vol. 14, #1 (1969).
11. "Observation of Δp Mass (2130 MeV) Enhancement in 7.4 GeV/c K^-d Interactions", A. Eide, G. Cushman, A. Franklin, R. Socash, L. M. Libby. Paper presented at Boulder Conference on High Energy Physics, August 1969.
12. "Mass Enhancement of π -Deuteron at 2200 MeV", K. Anderson, G. Godden, A. Franklin, R. Socash, and L. M. Libby. Paper presented at Boulder Conference on High Energy Physics, August 1969.
13. " $\Delta K\pi$, $\Delta K\pi\pi$ Produced by 7BeV/c Pions", J. Lynch, A. Peekna, W. D. Walker, C. Mistretta, J. Hua, J. Prentice, M. Dickinson, A. Franklin, L. M. Libby, J. Bishop, J. Hsieh, D. Huwe, B. Munir, B. Reynolds, *Bull. Am. Phys. Soc., Series II*, Vol. 15, #4 (1970).

14. "Study of the Reaction $K^-D \rightarrow K^- \pi^- \pi^+ NP$ at 7.3 GeV/c", K. J. Anderson, A. D. Franklin, G. Godden, L. Marshall Libby, and T. H. Tan, Bull. Am. Phys. Soc. Series II, Vol. 15, #4 (1970).
15. " $K\pi\pi$ in K^-D at 7.3 GeV/c", K. J. Anderson, A. D. Franklin, G. Godden, J. B. Kopelman, L. M. Libby, and T. H. Tan, Bull. Am. Phys. Soc. Series II, Volume 16, #1 (1971).
16. "Peculiarities Observed in the Reaction $\pi p \rightarrow k\pi\Lambda$ ", J. Lynch, A. Peekna, W. D. Walker, C. Mistretta, R. Clear, D. N. Hoa, J. D. Prentice, D. Tam, E. C. West, M. Dickinson, A. Franklin, L. M. Libby, J. Bishop, J. Hsieh, D. Huwe, and B. Munir, Physics Letter, Volume 35B, Number 5, (1971).
17. "A Measurement of the Matrix Element of the $K_L \rightarrow \pi^+ \pi^- \pi^0$ Decays", David Hitlin, John Liu, Robert Piccioni, David Dorfman, Allan Franklin, Robert Messner, Robert Morse, and Uriel Nauenberg, Bull. Am. Phys. Soc., Series II, Vol. 17, #1 (1972).
18. "Equipment Note: Use of the Air Trough to Illustrate Sailboat Motion", A. D. Franklin and R. Stoller, Am. Journal of Physics, Vol. 40, #4 (1972).
19. "Physics for Educationally Disadvantaged Students", A. Franklin, presented at Jan. 1972 meeting of American Association of Physics Teachers, and Am. Journal of Physics, Vol. 41, #1 (1973).
20. "Analysis of the Q in $K^-d \rightarrow K^- \pi^- \pi^+ n p_s$ at 7.3 GeV/c", K. J. Anderson, A. D. Franklin, G. D. Godden, J. B. Kopelman, L. M. Libby, and T. H. Tan, Phys. Rev. D., Vol. 6, #7 (1972).
21. "Thomas Pynchon's 'Classic' Presentation of the Second Law of Thermodynamics", Thomas R. Lyons and Allan D. Franklin, Journal of the Rocky Mountain Modern Language Association, Bulletin of the Rocky Mountain Modern Language Association, Vol. XXVII, Number 4, Dec. 1973, p. 195-204.
22. "Properties of $K\bar{K}$ and $K\bar{K}\pi$ Systems and Diffraction Dissociation", R. Diamond, J. T. Lynch, A. peekna, M. Binkley, W. D. Walker, M. Dickinson, A. D. Franklin, L. Libby, J. D. Prentice, T. S. Yoon, J. Bishop, J. Hsien, D. Howe, and B. Muir, Physical Review D, Vol. 7, #7, p. 1977 (April 1, 1973).
23. "Physics for Educationally Disadvantaged Students II", Allan D. Franklin and Franz Mohling, American Journal of Physics, Vol. 42, p. 553-555 (July 1974).
24. "Measurement of the $K_L^0 \rightarrow \pi^+ \pi^- \pi^0$ Dalitz Plot", R. Messner, A. Franklin, R. Morse, U. Nauenberg, D. Hitlin, J. Kiu, R. Piccioni, and D. Dorfman, Physical Review Letters, Vol. 213, Number 24, p. 1458-1461 (Dec. 9, 1974).
25. "Borges and Entropy", Allan Franklin and Paul M. Levitt, Review 75, published by The Center for Inter-American Relations, p. 54-56, Spring 1975.

26. "Principle of Inertia in the Middle Ages," Allan Franklin, American Journal of Physics, Vol. 44, No.6, June 1976, p. 529-545.
27. "The Principle of Inertial in the Middle Ages, Allan Franklin Colorado Associated University Press, 1976 (119+XIV pages).
28. "An Answer to Stillman Drake's Impetus Theory Reappraised," Allan Franklin, Journal of the History of Ideas, Vol. XXXVIII, #2, April-June 1977, pp. 307-315.
29. "Information, Entropy, and Death," Allan Franklin and Paul Levitt, Colorado Quarterly, XXVI, #4, Winter 1978, pp. 101-106.
30. "Inertia in the Middle Ages," Allan Franklin, The Physics Teacher, 16, pp. 201-208, April 1978.
31. "Galileo and the Leaning Tower: An Aristotelian Interpretation," Allan Franklin, Physics Education, Vol. 14, pp. 60-63, (1979).
32. "The Discovery and Nondiscovery of Parity Nonconservation," Allan Franklin, Studies in History and Philosophy of Science, Vol. 10, (1979), #3, pp. 201-257.
33. Book review: "Galileo at Work" by Stillman Drake; Allan Franklin, The Physics Teacher, Vol. 17, #4, April, 1979, p. 268.
34. Book Review: "Science in the Middle Ages," edited by David Lindberg; Allan Franklin, American Journal of Physics, Vol. 47, #6, June 1979, pp. 570-71.
35. Book Review: "Galileo Studies" by Alexandre Koyre, Allan Franklin, American Journal of Physics, Vol. 47, Sept. 1979, pp. 832-32.
36. Book Review: "Benjamin Thompson, Count Rumford," by Sanborn Brown, Allan Franklin, The Physics Teacher, Vol. 18, No.4, April 1980, p. 332.
37. "The Justification of a 'Crucial' Experiment: Parity Nonconservation," Allan Franklin and Howard Smokler, American Journal of Physics, 49, (2) (1981), pp. 109-112.
38. Book Review, "Black-Body Theory and the Quantum Discontinuity" by Thomas Kuhn, Allan Franklin Annals of Science, 37 (6) (1980) pp. 713-714.
39. "Millikan's Published and Unpublished Data on Oil Drops" Allan D. Franklin Historical Studies in the The Physical Sciences, 11, (2)(1981) pp. 185-201.
40. Book Review; "Quest" by Leopold Infeld and "Hans Bethe: Prophet of Energy," by Jeremy Bernstein; Allan Franklin, American Scientist, 69, (1981) 351.

WORK IN PROGRESS

1. "What Makes a Good Experiment?" Allan Franklin, to be published in the British Journal for the Philosophy of Science.
2. "Did Millikan Observe Fractional Changes in Oil Drops,?" William M. Fairbank Jr. and Allan Franklin, to be published in American Journal of Physics.
3. Book Review: "The Pursuit of Simplicity" by Edward Teller, Allan Franklin, to be published in American Journal of Physics.
4. Book Review: "From X-Rays to Quarks" by E. Segrè. Allan Franklin, to be published in Annals of Science.
5. "CP or Not CP," Allan Franklin, submitted to Historical Studies in the Physical Sciences.
6. "Diminishing Returns and Jumping to Conclusions," Allan Franklin and Colin Howson, submitted to the Philosophy of Science.
7. "Diminishing Returns of Confirmation," Colin Howson and Allan Franklin, submitted to the Australasian Journal of Philosophy.
8. "The History of the Magneto-Electric Effect," in preparation.
9. "The Millikan-Ehrenhaft Controversy after 1913," in preparation.
10. "Experiment," a paper on the philosophical aspects of experiment (with Colin Howson), in preparation.

INSTITUTE OF BEHAVIORAL SCIENCE
 CENTER FOR RESEARCH ON JUDGMENT AND POLICY

VITA

KENNETH ROBERT HAMMOND

1740 Columbine
 Boulder, Colorado 80302
 (303) 442-1928 -- Home
 (303) 492-8122 -- Office

Born: January 13, 1917
 San Francisco, California
 Married, two children
 Social Security: 530-09-6800

EDUCATION:

B. A., Psychology, University of California,
 Berkeley, 1940
 M. A., Psychology, University of California,
 Berkeley, 1947
 Ph. D., Psychology, University of California,
 Berkeley, 1948

HONORS AND
 FELLOWSHIPS:

AAAS Fellow, 1978
 Research Scholar, International Institute for
 Applied Systems Analysis, Austria, 1977
 Scholar in Residence, Rockefeller Center,
 Bellagio, Italy, 1974
 NATO Visiting Lecturer (England, France, Italy,
 Greece), 1970
 Co-winner, 1965 Prize Awarded by Society for
 Psychological Study of Social Issues
 Ford Foundation Travel Grant 1965-1966 (lectures
 in Europe, Scandinavia, Middle East)
 Faculty Fellowship, 1965-1966
 Faculty Research Lecture, 1964

RESEARCH
 GRANTS:

Office of Naval Research contract: "Investigation
 of the Differential Contributions of
 Cognitive Support Systems to the Improvement
 of Human Judgment," 1981-1984.
 Office of Naval Research contract: "Integration
 of Judgment Theory and Decision Analysis,"
 1980-1981. (Continuation)
 Office of Naval Research contract: "Glossary of
 Terms Used in Judgment and Decision
 Research," 1979-1980.
 National Science Foundation grant: "Designing
 Information Systems for More Effective Use of
 Decision Making," 1979-1980.

U.S. Bureau of Reclamation grant: "Subjective Measurement Procedures in Water Resources Planning," 1978-1979.

Office of Naval Research contract: "Integration of Judgment Theory and Decision Analysis," 1977-1980.

National Science Foundation grant: "Cognitive Factors and Interpersonal Conflict," 1976-1978.

Ciba-Geigy grant: "Effects of Therapeutic Psychoactive Drugs on Social Judgment," 1971-1980.

National Institute of Mental Health grant: "Cognitive Conflict and Interpersonal Learning," 1969-1976.

(Continuous research support from NIMH, NSF, and private foundations, e.g., Commonwealth Fund, from 1952 to present.)

PRESENT POSITION:

Professor, University of Colorado at Boulder, Department of Psychology, 1958 to present

OTHER POSITIONS:

Director, Center for Research on Judgment and Policy, University of Colorado at Boulder, 1977-1980.

Acting Director, Institute of Behavioral Science, University of Colorado at Boulder, 1968-1969.

Director, Program of Research on Human Judgment and Social Interaction, Institute of Behavioral Science, University of Colorado at Boulder, 1965-1977.

Associate Professor of Psychology, University of Colorado at Boulder, 1954-1958.

Director, Behavioral Research Laboratory, University of Colorado at Boulder, 1952-1965.

Assistant Professor of Psychology, University of Colorado at Boulder, 1948-1954.

Visiting Professor, University of Hawaii, University of California, Berkeley.

OTHER ACTIVITIES:

Editorial:

Reviews for Psychological Review, Psychological Bulletin, American Psychologist, Journal of Experimental Psychology, Science, Organizational Behavior & Human Performance, and other professional journals.

Research Application Review:

National Science Foundation, National Institutes of Health, National Institute of Mental Health and others.

Lectures, Conferences and Symposia (Recent):

Symposium, AAAS Session on Toxic Substances in the Environment, Washington, D.C., January, 1982.
Lecture, University of Texas, Health Science Center, Houston, Texas, October, 1981.
Conference, Decision Making under Stress, Kansas State University, Manhattan, Kansas, October, 1981.
Symposium, Cognitive Models in Industrial/Organizational Psychology, APA Meetings, Los Angeles, California, August,
Conference, Cognition and the Asymmetry of Brain Function, Gold Lake Ranch, Ward, Colorado, June, 1981 (Organizer).
Conference, Bowling Green State University, May, 1981.
Conference, Man and the Biosphere, Washington, D.C., April, 1981
Lecture, Cambridge University, Cambridge, England, April, 1981.
Lecture, Department of Psychiatry, University of Texas Medical School, Dallas, Texas, March, 1981.
Lecture, Johns Hopkins University, Baltimore, Maryland, March, 1981.
Lecture, Brain Science Laboratories, National Jewish Hospital and Research Center, Denver, Colorado, November, 1980.
Workshop, Behavioral Research and the Secret Service, National Academy of Sciences (Institute of Medicine) Washington, D.C., November, 1980, (Member of Planning Committee).
Conference, Man and the Biosphere, Tucson, Arizona, October, 1980.
Symposium, The Brunswikian Heritage, APA Meetings, Montreal, Quebec, September, 1980.
Symposium, Empirical Studies in the Psychology of Science, APA Meetings, Montreal, Quebec, September, 1980.
Conference, Strategies for Supporting Management of the Future, Williams College, August, 1980.
Conference on Localization of Brain Function, Neuropharmacology, and Cognition, Boulder, Colorado, June, 1980 (Organizer).
Lecture, Food and Drug Administration, Washington, D.C., April, 1980.
Lecture, Decisions and Designs, Inc., McLean, Virginia, April, 1980.

- Lecture, McGill University, Montreal, Canada, April, 1980.
- Lecture, Educational Testing Service, Princeton, New Jersey, April, 1980.
- Lecture, Department of Communication Disorders and Speech Science, University of Colorado, Boulder, Colorado, February, 1980.
- Symposium, AAAS Session on Integrated Impact Assessment, San Francisco, January, 1980.
- Symposium, British Pharmacological Society, London, England, December, 1979.
- Conference, IEEE International Congress on Cybernetics and Society, Denver, Colorado, October, 1979.
- Symposium, Psychology and Public Policy Formation, APA Meetings, New York City, September, 1979.
- Symposium, Decision Research, APA Meetings, New York City, September, 1979.
- Symposium, International Congress of the Institute of Management Sciences, Honolulu, June, 1979.
- Consultant, Executive Office of the President, Washington, D.C., (Information Management for Policy Analysis), May 14-15, 1979.
- Lecture, Kansas State University, Manhattan, Kansas, March, 1979.
- Symposium, International Peace Society, Stanford, California, February, 1979.
- Lecture, U.S. Department of Fish and Wildlife, Ecological Services Workshop, January, 1979.
- Conference, Office of Naval Research, Washington, D.C., January, 1979.
- Symposium, Society of Experimental Social Psychologists, Princeton, New Jersey, November, 1978.
- Lecture, Center for Decision Research, University of Chicago, Chicago, Illinois, November, 1978.
- Lecture, Windsor Castle, London, England, September, 1978.
- Conference, Impacts and Risks of Energy Strategies, Stockholm, Sweden, September, 1978.
- Conference, Drug Monitoring, Nuffield, England, February, 1978.
- Lecture, U.S. Department of Fish and Wildlife, Ecological Services Workshop, December, 1977.
- Symposium, Society of Experimental Social Psychologists, Austin, Texas, October, 1977.
- Lecture, U.S. Air Force Academy, September, 1977.
- Sociopharmacology Workshop, University of British Columbia, Vancouver, Canada, August, 1977.
- Lecture, National Center for Atmospheric Research, August, 1977.
- Lecture, University of Michigan, March, 1977.
- Conference, Society for General Systems Research, February, 1977.
- Symposium, AAAS Session on Judgment and Decision Making, February, 1977.

International Workshop, The Future of Drug Monitoring for Safety, Honolulu, January, 1977.

Conference, Training in Judgment and Decision Analysis, Army Research Institute, Oregon Research Institute, July, 1976.

Conference, Science and Social Issues, McMaster University, Hawaii, January, 1976.

Symposium, International Congress of Management Scientists, Kyoto, Japan, July, 1975.

Symposium, Medical Judgment, University of Michigan, May, 1974.

Symposium, National Council for Social Studies, November, 1973.

National Institute for Trial Advocacy, June, 1973.

(Lecture, conferences and Symposia prior to 1973 not listed.)

BOOKS:

Concepts in judgment and decision research:

Definitions, sources, interrelations, comments. (with B. Anderson, D. Deane, G. H. McClelland, and J. Shanteau).
New York: Praeger, 1981.

New directions for methodology of social and behavioral science: Realizations of Brunswik's representative design. (with N. Wascoe, Eds.). San Francisco: Jossey-Bass, 1980.

Human judgment and decision making: Theories, methods, and procedures. (with G. McClelland and J. Mumpower). New York: Praeger, 1980.

Judgment and decision in public policy formation. (Ed.). Boulder, Colorado: Westview Press, 1978.

Psychoactive drugs and social judgment: Theory and research. (with C. K. B. Joyce, Eds.).
New York: Wiley, 1975.

The psychology of Egon Brunswik. (Ed.).
New York: Holt, Rinehart, & Winston, 1966.

Introduction to the statistical method.
(with J. Householder). New York: Knopf, 1962. (2nd Edition, 1970).

Teaching comprehensive medical care: A psychological study of a change in medical education. (with F. Kern, et al.). Cambridge, Massachusetts: Harvard University Press, 1959.

Contemporary trends in cognition. (with R. Jessor and H. Gruber, Eds.). Cambridge, Massachusetts: Harvard University Press, 1957.

Writing clinical reports. (with J. Allen). New York: Prentice-Hall, 1953.

RECENT
ARTICLES

Fisch, H. -U., Hammond, K. R., & Joyce, C. R. B. On evaluating the severity of depression: An experimental study of psychiatrists. British Journal of Psychiatry, in press.

Fisch, H. -U., Hammond, K. R., Joyce, C. R. B., & O'Reilly, M. An experimental study of the clinical judgment of general physicians in evaluating and prescribing for depression. British Journal of Psychiatry, 1981, 138, 100-109.

Hammond, K. R. Is there a philosopher in the house? Human Systems Management, 1980, 1, 169-171.

Fisch, H. -U., Hammond, K. R., Joyce, C. R. B., & O'Reilly, M. Effects of psychotherapeutic drugs on multiple cue probability learning and retention. Current Therapeutic Research, 1980, 28(1), 34-46.

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SPIN AND ISOSPIN TRANSFER IN THE $12\text{C}(\text{PI}^+, \text{PI}^+)$ REACTION, R. J. PETERSON, R. L. BOUDRIE, J. J. KRAUSHAAR, R. A. RISTINEN, J. R. SHEPARD, G. R. SMITH, C. F. MOORE, W. J. BRAITHWAITE, N. S. P. KING, C. L. MORRIS, H. A. THIESSEN AND J. PIFFARETTI, PHYS. REV. C21 (1980) 1030-1038.

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~~CECIL, LEK KEAHLLEN, AND R. J. PETERSON, NUCL. INSTRUM. AND METHODS 175 (1980) 293-296.~~

SINGLE NUCLEON TRANSFER REACTIONS TO 100Ru , R. J. PETERSON, R. A. EMIGH, AND R. E. ANDERSON, NUCL. PHYS. A348, 8-24 (1980).

PROTON STRIPPING TO HIGH SPIN STATES OF ^{13}N , R. J. PETERSON AND J. J. HAMILL, PHYS. REV. C22, 2282-2286 (1980).

PULSE HEIGHT RESPONSE OF CD-TE TO HEAVY IONS, F. D. BECCHETTI, R. A. RISTINEN, R. J. PETERSON, J. J. HAMILL, C. E. THURN AND G. ENTINE, IEEE TRANSACTIONS ON NUCLEAR SCIENCE NS-28, 1546-1547 (1981).

PROTON STRIPPING TO ^{14}N , R. J. PETERSON AND J. J. HAMILL, NUCL. PHYS. A362 163-172 (1981).

SEMIMICROSCOPIC ANALYSIS OF MULTI-NUCLEON TRANSFER AND THE $^{40}\text{Ca}(\alpha, p)$ REACTION, P. A. SMITH AND R. J. PETERSON, NUCL. PHYS. A363, 287-300 (1981).

TEST OF HADRONIC CHARGE SYMMETRY BY PION SCATTERING ON DEUTERIUM, T. G. MASTERSON, E. F. GIBSON, J. J. KRAUSHAAR, R. J. PETERSON, R. S. RAYMOND, R. A. RISTINEN AND R. L. BOUDRIE, PHYS. REV. LETTERS 47, 220-222 (1981).

ISOSCALAR AND ISOVECTOR TRANSITION AMPLITUDES IN $A=13$, R. J. PETERSON, J. R. SHEPARD AND R. A. EMIGH, PHYS. REV. C24 826-840 (1981).

REACTION MECHANISM FOR $^{208}\text{Pb}(^3\text{He}, p)^{210}\text{Bi}$, R. J. PETERSON, R. E. ANDERSON AND M. J. FRITTS, ZEIT. PHYS. 302, 63-72 (1981).

DETERMINATION OF PROTON SPECTRA BY THICK TARGET RADIOACTIVE YIELDS, T. P. INTRATOR, R. J. PETERSON, C. S. ZAIDINS AND N. A. ROUGHTON, NUCL. INSTRUM. AND METHODS 188, 347-352 (1981).

AN EVALUATION OF CDTE SURFACE BARRIER DIODES AS DETECTORS FOR ENERGETIC CHARGED PARTICLES, R. A. RISTINEN, R. J. PETERSON, J. J. HAMILL, F. D. BECCHETTI AND G. ENTINE, NUCL. INSTRUM. AND METH. 188, 445-452 (1981).

EXCITATION OF THE GIANT M_1 RESONANCE IN ^{90}Zr BY SCATTERING OF LIGHT PROJECTILES, F. E. CECIL AND R. J. PETERSON, PHYS. REV. LETTERS 47, 1566 (1981)

THE REACTION $^{14}\text{C}(^3\text{He}, n)^{16}\text{O}$ AND THE COEXISTENCE MODEL OF ^{16}O , F. E. CECIL, R. E. ANDERSON, S. A. DURRANCE, R. J. PETERSON AND H. H. WIEMAN, NUCL. PHYS. A370 277-283 (1981).

FRAGMENTATION OF THE $^7\text{Li} + ^3\text{He}$ SYSTEM AT $E(^3\text{He}) = 42.9$ MEV, B. ANTOLKOVIC, G. PAIC, AND R. J. PETERSON, FIZIKA 13, 31 (1981).

CURRICULUM VITAE

NAME: Howard Smokler

DATE OF BIRTH: November 11, 1928

EDUCATION:	B.A.	Rutgers University	1948
		Yale Law School	1948-49
	M.A.	Columbia University	1955
	Ph.D.	Columbia University	1959

PROFESSIONAL EXPERIENCE:

1970-	Professor of Philosophy, University of Colorado
1968-70	Associate Professor of Philosophy, University of Colorado
1966-68	Associate Professor of Philosophy, Long Island University
1965-66	Visiting Associate Professor of Philosophy, Stanford University
1962-64	Member, Technical Staff, Mitre Corporation
1958-62	Instructor, Rutgers University

AREAS OF SPECIAL INTEREST:

History and Philosophy of Science, Inductive Logic, Science Policy

HONORS AND AWARDS:

National Science Foundation, "Induction and Modality," July 1969-June 1972
 Faculty Fellowship, University of Colorado, 1971-72
 Director, Project in the History of Science, University of Colorado, Alfred P. Sloan Foundation, March 1976-January 1978
 Fellow, National Humanities Institute, University of Chicago, National Endowment for the Humanities, 1978-79
 Demonstration Grant, National Endowment for the Humanities, 1981-82

UNIVERSITY ACTIVITIES:

Chairman, Committee on Science Policy and Administration, 1981-82
 Chairman and Co-Chairman, Committee on the History of Science, 1977-82

BOOKS:

Studies in Subjective Probability (ed. with H. Kyburg, Jr.). New York: John Wiley & Sons, 1964. (Revised edition, Huntington, NY: R. Krieger, 1980, with a new introduction, pp. 3-22.)

ARTICLES:

"Consistency and Rationality: A Comment," Journal of Philosophy, 62 (1965), pp. 77-80.
 "Goodman's Paradox and the Problem of Rules of Acceptance," American Philosophical Quarterly, 3 (1966), pp. 1-6.

ARTICLES (Cont.):

- "Informational Content: A Problem of Definition," Journal of Philosophy, 63 (1966), pp. 201-11.
- "W.K. Clifford's Conception of Geometry," Philosophical Quarterly, 16 (1966), pp. 244-57.
- Essay-Review of C. G. Hempel, Aspects of Scientific Explanation. Synthese, 16 (1966), pp. 116-22.
- "The Equivalence Condition," American Philosophical Quarterly, 16 (1967), pp. 300-07.
- "W. K. Clifford," in Encyclopedia of Philosophy, ed. P. Edwards. New York: Macmillan, 1967, pp. 123-25.
- "W. E. Johnson," in Encyclopedia of Philosophy, ed. P. Edwards. New York: Macmillan, 1967, pp. 292-93.
- "Conflicting Conceptions of Confirmation," Journal of Philosophy, 65 (1968), pp. 300-12. Rpt. in Logic and Philosophy, ed. P. Manicas. New York: Van Nostrand, 1971, pp. 263-71.
- "Confirmation and Translation" (with M. Rohr), in Philosophical Logic, eds. J. Davis, D. Hockney, and W. Wilson. Dordrecht, Netherlands: Reidel, 1969, pp. 172-80.
- "Semantical Questions in Carnap's Inductive Logic," British Journal for the Philosophy of Science, 28 (1977), pp. 129-35.
- "Three Grades of Probabilistic Involvement," Philosophical Studies, 31 (1977), pp. 129-42.
- "Single Case Propensities, Modality, and Confirmation," Synthese, 40 (1979), pp. 497-506.
- "The Collapse of Modal Distinctions in Probabilistic Contexts," Theoria, 45 (1979), pp. 1-7.
- "Justification of a 'Crucial' Experiment: Parity Nonconservation," (with A. Franklin), in American Journal of Physics, 49, (2) (1981), pp. 109-112.

REVIEWS:

- "The Dilemmas of Freedom," review of F. Hayek, The Constitution of Liberty; A. Meikeljohn, Political Freedom; H. Muller, Issues of Freedom; and J. Shotwell, The Long Way to Freedom. Teachers College Record, 62 (1961).
- C. D. Broad, Induction, Probability and Causation. Journal of Philosophy, 67 (1970).
- N. Rescher, ed., Essays in Honor of Carl G. Hempel. Synthese, 23 (1971).
- M. Swain, ed., Induction, Acceptance and Rational Belief. Synthese, 23 (1971).
- R. Carnap and R. Jeffrey, eds., Studies in Inductive Logic and Probability. Philosophia, 7 (1978).

IN PREPARATION:

"Science Policy, Ideology, and the State"

RESUME

JOSEPH DONALD SNEED

Humanities and Social Sciences Department
 Colorado School of Mines
 Golden, Colorado 80401
 303-279-0300, Ext. 2766

Date of Birth: September 23, 1938

Education:

B.A. Rice University, Houston, Texas, 1960; Major in Physics, Minor in Mathematics
 M.S. University of Illinois; 1962, Major in Physics
 Ph.D. Stanford University, Stanford, California, 1964; Major in Philosophy

Work Experience:

1957-1961 Student Trainee and Research Associate, Oak Ridge Laboratory, Oak Ridge, Tennessee; Summers
 1962-Summer Physicist, Autonetics Division of North American Aviation Co., Anaheim, California
 1962-1964 Teaching Assistant, Philosophy Department, Stanford University
 1964-66 Assistant Professor, of Philosophy, University of Michigan; Ann Arbor, Michigan
 1966-1968 Assistant Professor of Philosophy, Stanford University
 1968-1973 Associate Professor of Philosophy, Stanford University
 1969-Spring Visiting Professor in Theoretical Philosophy; Uppsala University, Uppsala, Sweden
 1973-1974 Policy Analyst, Stanford Research Institute, Menlo Park, California
 1974-1975 Visiting Professor of Philosophy; University of Munich, Munich, Germany
 1975-1976 Visiting Professor of Philosophy; Heidelberg University; Heidelberg, Germany, Winter
 1976-1977 Visiting Professor of Philosophy; University of California at Santa Cruz
 1977-Spring Visiting Professor of Philosophy; Virginia State University
 1977-1978 Lector for Philosophy of the Natural Sciences; University of Eindhoven, Netherlands
 1978-1980 Professor of Philosophy; The State University of New York at Albany
 1979-Fall Visiting Professor of Philosophy, State University of Campinas, Campinas, Sao Paulo, Brazil
 1980-1981 Atlantic-Richfield Foundation Professor in the Humanities, Colorado School of Mines

Courses Taught:

1. Introductory Symbolic Logic (Michigan, 1964)
2. Intermediate Logic (Michigan, 1964, 1965; Stanford, 1966-69; UC Santa Cruz, 1976; CSM, 1980; Computer Assisted, CSM, 1981)
3. History of Scientific Concepts (Michigan, 1965; Stanford, 1966-67)
4. Philosophy of Science (Michigan, 1964-65; Stanford 1968, 1970; Heidelberg, 1975; UC Santa Cruz, 1976; Eindhoven, 1977)
5. Philosophical Foundations of Bayesian Decision Theory (Stanford, 1966-71; Uppsala, 1969; Munich, 1975)
6. Social Decision Theory (Stanford, 1966-67)
7. Introductory Political Philosophy (Stanford, 1966-67)
8. Philosophical Foundations of Quantum Mechanics (Stanford, 1966-70; Munich, 1974)
9. Science and Society (Stanford, 1972-73)
10. Urban Resource Development (an interdisciplinary course involving 10 faculty) -- Community Decision, Processes Section (Stanford, 1971-72)
11. The Logic of Political Action (introductory decision theory and game theory -- Stanford, 1971-72)
12. Efficiency and Equity in the Local Public Sector (Stanford Program in Urban Studies, 1974)
13. Recent Literature in Anglo-American Political Philosophy (Munich, 1975; Heidelberg, 1975)
14. Seminar on the Logical Structure of Empirical Theories (Stanford, 1966-71; Munich, 1974-75; Heidelberg, 1975; University of California, Santa Cruz, 1976; Eindhoven, 1978, Campinas, 1979)
15. Introduction to Philosophy (University of California, Santa Cruz, 1976)
16. Introduction to Humanities (CSM, 1980-81)

Publications:

Books

The Logical Structure of Mathematical Physics, 1971, Reidel, Dordrecht-Holland

Restructuring the Federal System: Approaches to Accountability in Post-Categorical Programs, 1975, Crane-Russak, New York (co-editor with S. Waldhorn)

Articles

"Von Neumann's Argument for the Projection Postulate," Philosophy of Science, Vol. 33, March-June 1966

"Strategy and Logic of Decision," Synthese, 16 (1967), pp. 392-407

"Quantum Mechanics and Classical Probability Theory," Synthese, 20 (1970), pp. 34-64

"John Rawls and the Liberal Theory of Society," Erkenntnis, Vol. 10, No. 1, April 1976, pp. 1-19

- "Philosophical Problems in the Empirical Science of Science: A Formal Approach," Erkenntnis, Vol. 10, No. 2, July 1976, pp. 115-146 (abridged version as contribution to symposium with T.S. Kuhn and W. Stegmüller) in Proceedings: Fifth International Congress for Logic, Methodology and Philosophy of Science, Reidel Dordrecht-Holland, (1978)
- "A Utilitarian Framework for Policy Analysis in Food and Food-Related Foreign Aid," In Food Policy: U.S. Responsibility in the Life and Death Choices, edited with an introduction by Peter G. Brown and Henry Shue, New York: The Free Press (1978)
- "Generalized Net Structures for Empirical Theories; Part I (with W. Balzer) Studia Logica, XXXVI, 3 (1977), pp. 195-212
- "The Structural Approach to Descriptive Philosophy of Science" in Proceedings: International Workshop on the Cognitive Point of View, edited by M. deMey et al. with introduction by Jean Piaget, Communication and Cognition Press, Chent, Belgium (1977)
- "Generalized Net Structures for Empirical Theories; Part II," Studia Logica, XXXVII, 2, 1978, pp. 168-194
- "Political Institutions as Means to Economic Justice" Analyse und Kritik, 7, 1979, pp. 125-146.
- "Patrick Suppes' Contribution to the Foundations of Physics" (with C.U. Moulines) in Profile of Contemporary Philosophers: Patrick Suppes (eds. R. Bogdan and I. Niiniluoto) Reidel, Dordrecht-Holland, 1978
- "Quantities as Theoretical with respect to Qualities: A Ramsy Sentence Account of Fundamental Measurement," read at symposium: "The Concept of a Physical Object," Santa Margherita de Liguria, Italy, October, 1977, to appear in Epistemologia
- "Theorization and Invariance Principles" in The Logic and Epistemology of Scientific Change (eds. I. Niiniluoto and R. Tuomela) Nonth-Halland, 1979, pp. 130-178.
- "Some Consequences of Rawlsian Justice in Simple Economics," to appear
- "Academic Freedom and Research Controls," to appear
- "Theoriedynamik" (The Dynamics of Theories") in Wissenschaftstheoretischewörterbuch. (Dictionary for the Philosophy of Science) eds., J. Speck et al., Fink Verlag, Munich
- "The Logical Structure of Bayesian Decision Theory to appear in Proceedings of Int'l." Symposium on Philosophy of Economics held in Munich, BRD, July 1981
- "Conventionalism in Kinematic Theory" to appear in Proceedings of 2nd Int'l Symposium in Philosophy held in Oaxaca, Mexico, August, 1981

"Structuralism and Scientific Realism" to appear in Stegmueller Festschrift, July 1982

TECHNICAL REPORTS

Action Alternatives for Economic Development in San Francisco's Mission District (TR 2-1, December 1971, Stanford Center for Interdisciplinary Research)

Using Equal Employment Opportunity Requirements in Publicly Financed Construction (TR 2-2, January 1972, Stanford Center for Interdisciplinary Research)

REVIEWS

"Delaware Seminar in the Foundations of Physics," (ed. Mario Bunge), Science, March 4, 1968

"The Logic of Decision," (R.D. Jeffrey) to appear in Econometrica

"Quantum Theory and Reality," (ed. Mario Bunge), Synthese, 18 (1968), pp. 464-467

LETTERS

"A Defense of Nozick's Method in Anarchy, State and Utopia," Commentary, December 1975, p.20

Fellowships and Awards:

Union Carbide Scholar, Rice University, 1956-1960

Phi Beta Kappa

Sigma Xi

National Science Foundation Fellow in the Philosophy of Science, Stanford University, 1962-1964

Languages:

Read: German, Dutch, French, Swedish

Speak: German, Dutch

University and Community Service:

1. Consultant: San Francisco City Demonstration Agency, 1971 (provided socio-economic profile of San Francisco's Mission District; designed computer-based management information system for Model Cities funded manpower training programs)
2. Member, Provost's Ad Hoc Committee on Interdisciplinary Research, Stanford University, 1971 (committee's report led to establishing Stanford Center for Interdisciplinary Research)

3. Participant: Study of Graduate Education at Stanford, 1972
(examined non-traditional degree programs including interdisciplinary and "extended-time" programs)
4. Consultant; National Science Foundation College Teacher Training Program, 1972 (evaluated proposals for continuing education of faculty members in small colleges)
5. Member: U.S. Delegation, Fifth International Congress for Logic, Methodology, and Philosophy of Science; London, Ontario, 1975
6. Member of the Editorial Board:
 - a. Synthese (an international journal for epistemology, methodology and philosophy of science edited in Finland)
 - b. Erkenntnis (an international journal of analytic philosophy edited in West Germany)
 - c. Epistemologia (an Italian Journal for philosophy of science)

Budget:

_____ month for two faculty	\$4,000
Graduate research associate to do computer analysis of data	1,250
Undergraduate research assistant to code data	1,000
Student to assist in review of literature	500
Typing and Xeroxing	500
Office Supplies	100
Computer Time	200
Miscellaneous	<u>400</u>
	<u>\$7,950</u>

HENRY ETZKOWITZ
 Visiting Professor
 Department of Sociology
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 (303) 530-3210

EDUCATION:

University of Chicago, History, B.A., 1962
 New School for Social Research, Sociology, M.A., 1966
 New School for Social Research, Sociology, Ph.D., 1969
 International Center of Photography, Photography, 1980-81

RESEARCH INTERESTS:

Technological Innovation; Organizational Analysis; Visual Sociology

COURSES:

Classical Sociological Theory; Contemporary Social Theory; Technology, Values and Society; Sociology of Organizations; Television and Society

FACULTY POSITIONS:

Spring, 1982. Visiting Professor, University of Colorado, Boulder
 1974 to present. Associate Professor of Sociology, State University of New York at Purchase
 1972-1974. Assistant Professor of Sociology, State University of New York at Purchase
 Summer, 1972. Visiting Professor of Sociology, Graduate School, New York University
 1969-1972. Assistant Professor of Sociology, Washington University, St. Louis
 1968. Lecturer in Social Sciences, University of Chicago
 1962-1964. Peace Corps Volunteer, Bornu Secondary School, Maiduguri, Nigeria

PUBLICATIONS:

BOOKS

Is America Possible? Social Problems from Conservative, Liberal and Socialist Perspectives, ed. West, Second Edition, 1980, 1974.

Is America Necessary? United States Political Institutions from Conservative, Liberal and Socialist Perspectives, ed. (with Peter Schwab). West, 1976.

Ghetto Crisis: Progress vs. Bureaucracy in Bedford-Stuyvesant (with Gerald Schaflander). Little Brown, 1969 (paperback, 1971).

ARTICLES

- "Hyper-déterminismes: Des Idéologies de l'énergie et de environnement aux Etats-Unis," Sociologie et Sociétés, 1980.
- "The Machine in the Garden and the Garden in the Machine: The Ideology of the New American Wing at the Metropolitan Museum of Art," Art Workers News, December, 1980.
- "Artists and Political Activism: Political and Social Movements from the Depression to the 1980's" (with Laurin Raiken), Art Workers News, September, 1980.
- "The Americanization of Marx: Middletown and Middletown in Transition," Journal of the History of Sociology, Fall, 1979.
- "Atoms for Peace," WIN Magazine, April, 1979.
- "The Life Spiral: Human Needs and Adult Roles" (with Peter Stein), Alternative Life Styles, Fall, 1978.
- "Corporations and the City: Oligopoly and Urbanization" (with Roger Mack), Comparative Urban Research, Fall, 1978.
- "The Liberation of Technology," WIN Magazine, March, 1978 (reprinted in Ozarka: Journal of the Appalachian Institute).
- "Ideology and Educational Utopias: SUNY at Purchase" (with Joseph Fashing), Liberal Education, December, 1976.
- "Media, Social Researchers and the Public: Linkages of Legitimation and Delegitimation" (with Roger Mack), American Sociologist, May, 1975.
- "Invisible Roles in Voluntary Total Institutions: The Mental Hospital as Poor Persons Resort" (with Shari Able), Soundings: An Interdisciplinary Journal, Spring, 1974.
- "The Male Sister: Sexual Separation of Labor in Society," Journal of Marriage and Family, Vol. 33, No. 3, August, 1971.
- "Sociology and Praxis," Social Theory and Practice, Spring, 1971.
- "Institution Formation Sociology," American Sociologist, May, 1970 (reprinted in The American Community: A Multidisciplinary Perspective, ed. Jack F. Kinton).
- "Cooperatives: Possibilities and Forms," in The People Versus the System: A Dialogue in Urban Conflict, Sol Tex (ed.), Acme Press, 1969.
- "A Manifesto for Sociologists: Institution Formation - A New Sociology" (with Gerald Schaflander), Social Problems, Spring, 1968 (reprinted in Where It's At: Radical Perspectives in Sociology, Steven E. Deutsch and John Howard (eds.), Harper and Row, 1970; Visibles and Invisibles, A Primer for a New Sociological Imagination, Nicholas M. Regush, ed., Little Brown, 1973).

THESES:

Ph.D.: The Organization of the Bedford-Stuyvesant Community Cooperative Center: A Study in Institution Formation Sociology.

M.A.: The Male Nurse: Role Conflict and the Sexual Separation of Labor.

PAPERS READ AT MEETINGS:

American Sociological Association: 1968, 1970, 1972, 1976, 1977, 1978, 1979
Society for the Study of Social Problems: 1970, 1973, 1975, 1977, 1979, 1980
American Orthopsychiatric Association: 1970, 1973
American Anthropological Association: 1970
Midwest Sociological Society: 1970
Southwestern Social Science Association: 1971
Pacific Sociological Association: 1974
Eastern Sociological Society, 1975, 1978, 1979, 1980
Society for the Social Study of Science, 1978
Max Weber Colloquium, 1980

RECENT TITLES:

"Weber and Marx on Technology and Politics." The Max Weber Colloquium, October, 1980.

"Three Mile Island: A Corporate Induced Environmental Disaster" (with Gail Kuenstler). SSSP, August, 1980.

"Artists Social Movements of the 1960's and 1970's: From Protest to Institution Formation" (with Laurin Raiken). Thematic Session, Eastern Sociological Society, March, 1980.

"The Politics of Science and Technology: Nuclear and Solar Alternatives." Session on Technology and Social Change, American Sociological Association, 1978.

COLLOQUIA:

University of Chicago, 1967; Smith College, 1967; McMaster University, 1968.
University of Missouri, 1969; University of Pittsburgh, 1970; UCLA, 1971, 1978;
Harvard University, 1973; University of Oregon, 1975; Brown University, 1976;
University of California at Santa Barbara, 1978; Northwestern University, 1978.

RECENT TITLES:

"Visual Arts and Social Science: An Integrated Approach" (with Jeffrey Halley), Visual Sociology Section, American Sociological Association, 1980.

"Big Science vs. Little Science," Center for the Study of Science and Technology Policy, Northwestern University, November, 1978.

"Is There a Necessary Conflict between Technology and the Environment?," Department of Sociology, UCLA, January, 1978.

"The Politics of Nuclear and Solar Energy," Department of Sociology, University of California at Santa Barbara, January, 1978.

AWARDS AND HONORS:

Who's Who in the East, 1981.

SUNY Research Foundation Summer Research Grant, "Theoretical Analysis of the Middletown Studies," 1980.

Problems of the Discipline Grant, American Sociological Association, "The Effects of Corporate Headquarters Relocation on Cities and Suburbs," 1977-1978.

EDITORIAL EXPERIENCE:

Associate Editor. Insurgent Sociologist, 1973-1979.

Manuscript reviewer for D. Van Nostrand and Co., Holt, Rinehart and Winston, C. Van Mosby, West Publishing Co., Pergamon Press.

ADMINISTRATIVE EXPERIENCE:

Organizer, New Joint Degree Program in Visual Arts and Social Science, SUNY Purchase, 1980.

Member, Board of Directors, Foundation for the Community of Artists, 1980 -.

Social Science Representative, Executive Committee, SUNY Purchase, 1980.

Chair, Sociology Board of Study, SUNY Purchase, 1974-1975, 1979-1980.

Member, Educational Policies Committee, SUNY Purchase, 1978-1980.

Chair, Personnel Policies Committee, SUNY Purchase, 1974-1975.

Senator, State University of New York Faculty Senate, 1974-1977.

Executive Board Member of Model Cities Child Care Corporation, St. Louis, 1971-1972.

Co-Director, Washington University (National Science Foundation), In-Service Institute of Sociology, 1970-1971.

Co-ordinator, Undergraduate Program in Sociology, Washington University, St. Louis, 1969-1971.

Organizer and Member of the Board of Directors, Infant Growth Environment Day Care Center, St. Louis, 1969-1972.

Research Director, Bedford-Stuyvesant Community Cooperative Center, in New York City, 1966-1968.

PROFESSIONAL ACTIVITIES:

Co-organizer, Session on "Ethics of Social Research," Eastern Sociological Society, 1980.

Organizer and Presider, "Alternative Perspectives on Science and Technology," Society for the Social Study of Science, November 4, 1979, Washington, D.C.

HENRY ETZKOWITZ

page 5

PROFESSIONAL ACTIVITIES

(continued)

Member, Cultural Markets Study Group, New York Institute of Humanities, 1978-Present.

Member, Committee on the Profession, Eastern Sociological Society, 1977-1980.

Member, Committee on Freedom of Research and Teaching, Society for the Study of Social Problems, 1976-1977.

Organizer and Presider, Session on Institution Formation, Pacific Sociological Society, 1974.

Consultant to VITA (Volunteers for International Technical Assistance), Schenectady, New York, 1970-Present.

PROFESSIONAL SOCIETIES:

American Sociological Association, Society for the Social Study of Science, Visual Studies Workshop, Society for the Study of Social Problems.

REFERENCES:

Norman Birnbaum, Professor of Sociology, Georgetown University Law Center, Washington, D.C.

Seymour Martin Lipset, Professor of Sociology and Political Science, Hoover Institute, Stanford University, Palo Alto, Ca. 94305

John Seeley, Professor of Sociology and Psychiatry, Charles R. Drew Medical School, 1621 E. 120 St., Los Angeles, Ca. 90059

HENRY ETZKOWITZ
page 6

ADDENDUM

SUNY Research Foundation grant "Visual Arts and Social Sciences: Curriculum Development" (with Jeff Halley), Summer, 1981 (\$4,000).

"Demythologizing Disasters," Eastern Sociological Society, March, 1981. Forthcoming in Humanity and Society, 1982.

"The Suppression of Solar Energy," Energy and Environmental Policy Seminar, American Sociological Association, September, 1981.

"Solar Energy in the United States: Societal Ambivalence and the Politics of Technological Repression," Societal Responses to the Energy Crisis Conference, Dubrovnik, Yugoslavia, September, 1981.

"The Forms of Solar Energy," Lecture, Environmental Science Course, SUNY Purchase, Fall, 1980.

"Visual Sociology, the Sociology of Art and Cultural Sociology: A Common Approach and Organizing Strategy." Session on Wither Visual Sociology? American Sociological Association, September 1981 (with Jeff Halley).

Chair, Sociology Board of Study, SUNY Purchase, 1981-82

Member, President's Advisory Committee, SUNY Purchase, 1981-82

Advisor, Sociology Club, SUNY Purchase, 1981-

UNIVERSITY OF COLORADO, BOULDER

Committee on the History of Science



1981-82

THE COMMITTEE ON THE HISTORY OF SCIENCE

Mr. Gene Ammarell, CIS

Associate Professor David M. Armstrong, CIS

Assistant Professor Robert Bye, EPO Biology

Professor Charles De Puy, Chemistry

* Associate Professor Allan Franklin, Physics

Associate Professor Martha Gimenez, Sociology

Professor David Hawkins, Philosophy

Professor Gordon Hewes, Anthropology

Professor Boyd Hill, History

Professor John Hodges, Mathematics

Professor J. McKim Malville, Astro-Geophysics

Professor John Murphy, English

Professor Richard Pfaff, Political Science

Associate Professor Edward Ruestow, History

Professor Aaron Sayvetz, CIS

Professor Kurt Schlesinger, Psychology

Professor James Scott, Physics

Professor William Segal, EPO Biology

Associate Professor Paul Shankman, Anthropology

* Professor Howard Smokler, Philosophy

Professor Michael Wertheimer, Psychology

* Co-Chairmen, 1981-82



Committee on the

History of Science

University of Colorado, Boulder

Spring 1982

Lecture Series

Freud and Biology: The Hidden Legacy

Dr. Frank Sulloway, Harvard University

Thursday, February 25

Time: 8 p.m. Place: UMC 235

(Cosponsored by the Department of Psychology)

Crisis versus Aesthetic in the Copernican Revolution

Professor Owen Gingerich, Harvard University

Thursday, April 1

Time: 8 p.m. Place: UMC 157

(Cosponsored by the Center for Interdisciplinary Studies and the Department of Astro-Geophysics)

Astronomy and Astrology in the 16th Century

Professor John Heilbrun, University of California, Berkeley

Thursday, April 15

Time: 8 p.m. Place: UMC 157

(Cosponsored by the Department of Physics and the Department of English)

Seminar Series

Sociological Theorizing: Two Paradigms

Professor Otomar Bartos, University of Colorado

January 28, 3 p.m., UMC 230

Clifford Geertz and the "New" Social Science

Professor Paul Shankman, University of Colorado

February 11, 3 p.m., UMC 230

Darwin and His Finches: The Evolution of a Legend

Dr. Frank Sulloway, Harvard University

February 25, 3 p.m., UMC 230

The Macroevolution Conference: Participant Perceptions

Dr. Donna Day Baird, Biological Sciences Curriculum Study

March 11, 3 p.m., UMC 230

Was Ptolemy a Fraud?

Professor Owen Gingerich, Harvard University

April 1, 3 p.m., UMC 158

The Lawrence Berkeley Laboratory and the Cold War

Professor John Heilbrun, University of California, Berkeley

April 15, 3 p.m., UMC 153

Darwin in Australia—1836

Professor Richard Beidleman, Colorado College

April 22, 3 p.m., UMC 230

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Sixth Regional Conference on the History and Philosophy of Science

University of Colorado, Boulder

April 30 and May 1, 1982

The Ethics of Science

Speakers will include: Professor Harriet Zuckerman, Columbia University

and

Professor Marx Wartofsky, Boston University

Please Post



Committee on the

History of Science

University of Colorado, Boulder

Fall 1981

Lecture Series

Geneticists and Race, 1950-1976

Professor William Provine, Cornell University

Thursday, September 17

Time: 8 p.m. Place: UMC Aspen Rooms 215, 216, 217

The Origins of Computers

Professor I. B. Cohen, Harvard University

Tuesday, October 27

Time: 8 p.m. Place: UMC 157

Science Policy and the Reagan Administration

Mr. Daniel Greenberg, Editor, *Science and Government Report*

Thursday, November 12

Time: 8 p.m. Place: UMC Aspen Rooms 215, 216, 217

(Cosponsored by the Committee on Science Policy and Administration)

Seminar Series

Origins of Sewall Wright's Evolutionary Theory

Professor William Provine, Cornell University
September 17, 3 p.m., UMC 158

Quesnay and the Development of Economics

Professor David Hawkins, University of Colorado
September 24, 3 p.m., UMC 158

The State, Ideology, and Science

Professor Howard Smokier, University of Colorado
October 1, 3 p.m., UMC 158

Analysis versus Subsumption in Psychological Explanation

Professor Robert Cummins, Visiting Professor, University of Colorado
October 15, 3 p.m., UMC 230

A Discussion of *The Newtonian Revolution*

Professor I. B. Cohen, Harvard University
October 27, 3 p.m., UMC 230

Sociological Reduction

Mr. H. R. Harré, Linacre College, Oxford University
November 23, 2 p.m., UMC 230

A Discussion of Sohn-Rethel's *Intellectual and Manual Labor*

December 3, 3 p.m., UMC 158

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University of Colorado
Boulder Campus

Courses in the History of Science 1981-1982

HISTORY OF SCIENCE: ANCIENTS TO COPERNICUS *

Natural Science 321/Philosophy 341
Professors Sayvetz, Center for Interdisciplinary
Studies; Smokler, Philosophy; Franklin, Physics.
FALL 1981

HISTORY OF SCIENCE: COPERNICUS TO NEWTON *

Natural Science 322/Philosophy 342
Professors Sayvetz, Center for Interdisciplinary
Studies; Smokler, Philosophy. SPRING 1982

HISTORY OF MATHEMATICS

Mathematics 472
Professor Thron, Mathematics. FALL 1981

HISTORY OF PSYCHOLOGY

Psychology 451
Professors Sharpless, Vandenberg, Mason, and
Wertheimer, Psychology. FALL 1981, SPRING 1982

TOPICS IN THE HISTORY AND PHILOSOPHY OF PHYSICS

Physics 305/Philosophy 305
Professor Franklin, Physics. FALL 1981

THE DARWINIAN REVOLUTION

Natural Science 326
Professor Armstrong, Center for Interdisciplinary
Studies, and others. SPRING 1982

* Partial fulfillment of Natural Science requirement



Sixth Regional Conference on the History and Philosophy of Science

University of Colorado, Boulder
April 30 and May 1, 1982

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Friday, April 30

University Memorial Center, Room 235

The Ethics of Science

9:30 a.m.

Dr. Stephen Scher

Medicine in the Public Interest, Boston, Massachusetts

"Fraud, Self-Interest, and Ethics in Science"

11 a.m.

Professor Marx Wartofsky

Department of Philosophy, Boston University

"Good Science—Bad Science, or Doctor Frankenstein's Dilemma"

2 p.m.

**Panel Discussion on "The Ethics of
Science"**

Participants: Dr. Stephen Scher, Professors
Marx Wartofsky, David Hawkins,
Stanley Cristol, Howard Smokler

Moderator: Professor Allan Franklin

Saturday, May 1

University Memorial Center, Room 235
9:30 a.m. to noon; 1:30-4 p.m.

Contributed Papers on the History and Philosophy of Science

Sponsored by the Committee on the History of Science

Faculty, Students, and General
Public Welcome to Attend
the Sessions Free of Charge

For information: Committee on the History of Science
Duane F 625
Campus Box 390
University of Colorado
Boulder, Colorado 80309
(303) 492-8610

**CENTER FOR RESEARCH
ON JUDGMENT AND POLICY**University of Colorado at Boulder
Boulder, Colorado

Center for Research on Judgment and Policy 1981-1982

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CENTER FOR RESEARCH ON JUDGMENT AND POLICY

During the last thirty years, researchers in the field of judgment theory have made substantial progress in understanding how people make judgments and decisions and how these critical activities can be improved. These researchers have now begun to apply their findings to problems of public policy in order to assist official policy makers and to learn from the interchange of theory and practice.

To carry out efforts of this kind in the public interest, the Center for Research on Judgment and Policy was established in June 1977 at the University of Colorado. Although it will devote a significant part of its effort to basic research, the main focus of the Center will be on applying what it has learned to help public officials improve the quality of decisions and reduce the burden of conflicts.

Public Policy Conflicts and Problems

At every level of public life, policy makers regularly bring their judgments to bear on a wide variety of conflict-producing problems: Where to locate highways or sewer lines? Which lands to set aside for parks? Whether to leash dogs, ban handguns, decentralize state government, tax groceries, limit building permits, accept nuclear power facilities?

The disagreements that arise over problems like these are almost always related to differences in the way people exercise their judgments because public policy is always a matter of human judgment. Researchers have found that policy makers use different values in the judgment process often without understanding what those values are or what values other people are using. It is as if everyone were trying to play the same game using different (and changing) rules.

How the Center Can Help

What the Center can do is to clarify the process to help the participants understand what is happening. These conflicts involve legitimate interests and points of view on both sides, and the tradeoffs involved in various solutions have to be recognized before the conflicts can be dealt with intelligently. In that light, policy makers will often see that their conflicts are due primarily to the many entangled, interdependent factors in the problem itself, rather than to evil intentions or lack of knowledge of other members of the group.

The Center can then help the participants in the judgment process develop a systematic approach on which they can all agree to untangle these factors. This approach would not involve the suppression of the original values. Instead, values would be identified and examined in their relation to each other so that the possibilities for compromise and tradeoffs would come into view.

A conflict might arise, for example, over a business decision to locate a new plant in a particular community. Some members of the community might oppose the project on the ground that it would damage the environment while others might support the project on the ground that it would create new jobs. Yet the protection of the environment and the creation of jobs are both valid community objectives. The judgment task is not to choose between them, but to develop a policy that takes account of both. What the community may have to decide is how much environmental damage it is willing to accept in exchange for how many jobs, or to put it another way, how many jobs it is willing to sacrifice for how much environmental protection.

Methodology for Constructive Decisions

If each group in the community focuses on only one objective and ignores the other objective, the chances for avoiding conflict and reaching a constructive decision will be small. To help people reach constructive decisions, the Center for Research on Judgment and Policy has developed a methodology that can help the policy makers to consider their objectives within the framework of their values, and to make the tradeoffs that will produce a clear and balanced policy.

Members of the Center staff have already applied this methodology to a number of practical problems, including the choice of bullets for a police department, the location of a highway through a scenic canyon, the selection of units of state government for decentralization, and the purchase of parcels of land for open space, among others.

The Center is supported by funds from the University of Colorado and by grants from government and foundations. Its services are available to members of government and public institutions who seek a more systematic approach to the judgment process.

Inquiries should be addressed to:

Center for Research on Judgment and Policy
Institute of Behavioral Science
Building No. 3, Room 201
University of Colorado
Boulder, Colorado 80309
(303) 492-8122

**The Center for
the Study of Values and
Social Policy**



GOALS

Enabling philosophers to make a genuine contribution to ongoing debates about issues in social and public policy is the chief goal of the Center for the Study of Values and Social Policy.

Our society faces a number of critical choices: whether to expand our use of nuclear power, to develop oil shale, to return to the draft, to regulate or deregulate various industries, and so on. The issues we face are complex, both technically and normatively. They cannot successfully be addressed by a single discipline or profession.

Philosophers can contribute to the resolution of these issues in a number of ways:

1. By exploring and analyzing their value assumptions.
2. By criticizing and improving influential decision models like benefit-cost analysis.
3. By integrating the languages and methods of different disciplines, professions, and conceptual systems.

To make a really useful contribution to the clarification and resolution of policy issues, philosophers must work with academics from other disciplines, and with policy makers in and out of government -- whether political leaders, or policy professionals, or citizens in a community.

The Center is actively involved in creating a vital dialogue among various disciplines and also among the business, governmental, and academic communities. It has developed, in cooperation with the Department of Philosophy, a graduate program that will enable philosophers to acquire the skills and experience needed to become policy professionals.

ACTIVITIES

Lecture Series:

The Center has sponsored, in conjunction with the Department of Philosophy, a number of outside speakers, including:

Alasdair MacIntyre, "How Common Sense Was Invented," February 1981

Joel Feinberg, "The Moral Limits of the Criminal Law," April 1981

Tom Regan, "Animal Rights," September 1981

Allen Buchanan, "Treatment Decisions for Incompetent Patients," November 1981

James Nickel, "Reaganism, Private Charity, and Welfare Rights," November 1981

Seminars:

To promote dialogue both among disciplines and between academics and non-academics, members of the Center participate in a variety of seminars:

- Weekly interdisciplinary study group on philosophical problems in cost-benefit analysis. (Fall 1981)
- Bi-weekly discussion group, with presentations by outside speakers prominent in a variety of disciplines. (Spring 1982)
- Bridging Seminar, bringing together academics and policy professionals, with a goal of bridging the theoretical and abstract ways of thinking most natural to the philosopher and the practical and concrete concerns of policy professionals. (Planned for 1982)

- Monthly seminar to promote rational dialogue. Six business leaders will meet with representatives from labor and environmental groups in a monthly process of value clarification. (Proposed for Spring 1983)

Conferences:

To promote broad-based discussion of policy issues, the Center also sponsors conferences, aimed at both academic and non-academic audiences.

- Morris Colloquium, a yearly three day conference on a central policy issue, established in honor of Bertram Morris.

1981 Topic: "Medical Ethics." Speakers: Willard Gaylin, Alasdair MacIntyre, Tom Beauchamp

1982 Topic: "Environmental Futures: Issues in Ethics and Economics." Speakers: Myrick Freeman III, "The Ethical Basis of Cost/Benefit Analysis"; Derek Parfit, "Future Generations"; Nicolas Rescher, (undetermined).

- Quality of Life Conference: Summer 1982. Presentation of working papers on problems associated with defining and assessing quality of life.

PROGRAM DEVELOPMENT

Graduate Degrees:

Co-sponsored by the Center, the Department of Philosophy now grants both an M.A. and a Ph.D. in Values and Social Policy. Both programs feature thorough grounding in the philosophical tradition, course work in other disciplines, theses based on internships, and individually tailored studies. They were developed under a grant, "Human Values and Social Policy," funded by the National Endowment for the Humanities (received January 1981). The core philosophy curriculum in Values and Social Policy includes:

- Social and Political Philosophy
- Theory of Value
- Rational Decision Making
- Philosophy and Economic Theory

The following courses may be added to the curriculum:

- Models of Policy Analysis
- Values and Environmental Policy
- Values and Criminal Justice

Topical Major:

The Center and the Department of Philosophy are developing an undergraduate topical major in values and social policy. The curriculum will include Environmental Ethics; Values and Global Policy; and Rationality, Democracy, and Policy.

Certificate Program:

The Center also co-sponsors a Certificate Program. Its goal is to promote dialogue among faculty, graduate students and policy professionals. Participants are out-of-school adults, ordinarily employed in policy-related fields, who register for one of the four core courses each semester. These courses are offered on a rotating basis. Upon completion of the four-course sequence, individuals receive a Certificate of Achievement.

RESEARCH ACTIVITIES

Members of the Center engage in research in a variety of policy areas, including:

- Environmental Policy
- Criminal Justice
- Philosophical Problems in Policy Analysis
- Medical Ethics and Health Policy

Several grant proposals, supporting the research, have been submitted, including:

"Ethical Issues in Cost-Benefit Analysis." National Science Foundation, Program in Technology Assessment and Risk Analysis: Allen V. Kneese, Resources for the Future, Principal Investigator. (pending)

"The Concept of the Quality of Life: Problems in Definition and Assessment." Organized Research Program, Colorado Commission on Higher Education. (received, November 1981)

"Business and Its Critics: A Proposal for Rational Dialogue." Shelby Cullom Davis Foundation. (received December 1981)

"Philosophy and Public Policy Issues in Colorado." Colorado Humanities Program. (received May 1981)

ORGANIZATION

The Center operates under the auspices of the Department of Philosophy, and its activities are closely co-ordinated with those of the Department. The Department of Philosophy, with a long tradition of philosophical diversity, has been strongly supportive of the Center.

The administration and staff of the Center are drawn from the Philosophy Department:

Jerry L. Martin, Director
Leonard Boonin, Graduate Advisor
Dale Jamieson, Undergraduate Advisor
Diane Mayer, Assistant Director
Carmela Manfredo, Assistant Director
Don Peterson, Research Assistant
Leland Miller, Research Assistant
Katrina Walker, Work Study Assistant

FACULTY

Leonard G. Boonin (Columbia, LLB, N.Y.U.) Political and Social Philosophy, Ethics, Philosophy of Law, Criminal Justice and Mediation.

John R. Carnes (Michigan) Political and Legal Philosophy, Philosophical Theology.

Lawson Crowe (Columbia) Bioethics, Health Policy, Philosophy of Religion.

James P. Frank (Northwestern) Political Thought, Ethics, Metaphysics, Hegel

David Hawkins (California) Phillip A. Danielson Distinguished Professor of Philosophy, Ethics, Philosophy of Science, Philosophy of Education.

Dale Jamieson (North Carolina) Ethics and Social Policy, Philosophy of Art and Art Criticism, Environmental Policy.

Jerry L. Martin (Northwestern) Director. Ethics and Public Policy, Political Philosophy, Epistemology.

William J. Prior (Texas) Ethics, Greek Philosophy, Metaphysics.

William Sacksteder (Chicago) Ethics, History of Philosophy, Major Philosophers.

Howard E. Smokler (Columbia) History and Philosophy of Science, Inductive Logic, Science and Social Policy.

Gary H. Stahl (Columbia) Bioethics, Philosophy and Psychological Theory, Kant, Aristotle.

ASSOCIATED FACULTY

Michael H. Glantz (University of Pennsylvania, Political Science) Head, Social and Environmental Impacts Group, National Center for Atmospheric Research. Climate Policy, Environmental Ethics.

Roger K. Salaman (Polytechnic Institute of Brooklyn, Engineering) Chief, Advanced Policy Research Division NTA/OPAD, U.S. Dept. of Commerce, Boulder, CO.

Larry D. Singell (Wayne State, Economics) Urban Economics and Human Resources.

Joseph D. Sneed (Stanford, Philosophy) Atlantic Richfield Professor of the Humanities, Colorado School of Mines, Golden, CO. Philosophy of Economics, Philosophy of Science, Regulatory and Environmental Policy.

VISITING FACULTY

Elias Baumgarten (University of Michigan, Dearborn) Ethics, Philosophical Psychology, Continental Philosophy. (Spring 1982)

Robert Ladenson (Illinois Institute of Technology) Philosophy of Law, Moral Philosophy, Political and Social Philosophy. (Fall 1981)

Derek Parfit (Fellow, All Souls College, Oxford) Moral Philosophy, Philosophy of Mind, Personal Identity. (Spring 1982)

Martin Rein (M.I.T.) Philosophy of Social Science, Welfare Policy. (Fall 1980)

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Joel Feinberg, Professor (Philosophy), University of Arizona.

Joel Fleishman, Director, Institute of Policy Studies and Public Affairs, Duke University.

Alisdair MacIntyre, Professor (Philosophy and Political Science); Boston University, and Henry R. Luce Professor (Humanities), Wellesley College.

Martin Rein, Professor (Social Policy), Department of Urban Studies, Massachusetts Institute of Technology.

Dennis Thompson, Professor (Politics), Woodrow Wilson School of Public and International Affairs, Princeton University

For more information, and applications, write:

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