SECOND ANNUAL MEETING
DUNFEY'S PARKER HOUSE, BOSTON, AND
HARVARD UNIVERSITY SCIENCE CENTER, CAMBRIDGE
14-16 OCTOBER 1977

PROGRAM

FRIDAY, 14 October
10:00 a.m. -
2:00 p.m.
Parker House,
Press Room

REGISTRATION

2:00 - 5:00 p.m.
Parker House,
Press Room

SESSION I: SCIENCE POLICY AND SCIENTIFIC INTERACTIONS
Chairperson: Warren O. Hagstrom (University of Wisconsin)
Discussants: To be arranged
Christopher Wright (Office of Technology Assessment,
U.S. Congress), "Policy-Oriented Science Indicators"
Ronald Brickman and Arie Rip (Cornell University),
"Changing Patterns of the Science-Government Relation:
The Evolution of Science Policy Advisory Councils in
France, the Netherlands and the United States"

(3:45 - 4:10 p.m.)
COFFEE BREAK - Parker House, Press Room
Dorothy S. Zinberg (Harvard University), "Circulation of
the Elite: Value Elements in European-United States
Scientific Interactions"

6:00 - 10:00 p.m.
Harvard University
Faculty Club

COCKTAIL PARTY AND BANQUET
Welcome: Paul Doty, Director, Program for Science and Inter-
national Affairs and Professor of Biochemistry, Harvard
University
Brief Remarks by Robert K. Merton, Warren Hagstrom, and other

SATURDAY, 15 October
9:00 a.m. -
12 noon
Harvard Science Center,
Lobby

LATE REGISTRATION

9:30 a.m. -
12 noon
Harvard Science
Center, Aud. B

SESSION II: LIMITS AND BOUNDARIES OF SCIENTIFIC THOUGHT AND
SCIENTIFIC INSTITUTIONS
Chairperson: Nicholas C. Mullins (Indiana University)
Discussants: Dorothy Nelkin (Cornell University) and
Joseph Agassi (Boston University)
(SESSION II, continued)

Gerald Holton (Harvard University), "Limits of Inquiry in Science"

(10:45 - 11:10)

COFFEE BREAK - Science Center Lounge (next to Cafeteria)

Everett Mendelsohn (Harvard University), "At the Borders of Science"

12:00 noon - 2:00 p.m.

BREAK FOR LUNCH (Note: Lunch is available in the Science Center Cafeteria)

SESSION III: INTERNATIONAL ASPECTS OF SCIENCE

Chairperson: Michael Moravcsik (University of Oregon)

Discussant: Jerry Goston (University of Southern Illinois)

Michael Moravcsik, "Science in Developing Countries: An Unexplored and Fruitful Area for Research in Science Studies"

John Useem (Michigan State University), Ruth Hill Useem (Michigan State University), Abu Hassan Othman (Universiti Kebangsaan Malaysia), and Florence E. McCarthy (University of Connecticut), "Trans-Societal Linkages of Southeast Asian Academic Scientists: A Comparative Study of the Philippines and Malaysia"

(3:45 - 4:10 p.m.)

COFFEE BREAK - Science Center Lounge

Daniel Sullivan (Carleton College), Edward J. Babboni (Grinnell College), and D. Hywel White (Cornell University), "International Aspects of a Specialty in Elementary Particle Physics: National Participation and Barriers to the Diffusion of Knowledge"

(5:00 - 7:30 p.m.)

BREAK FOR DINNER

SESSION IV.A: COGNITIVE AND RHETORICAL STRUCTURES IN SCIENCE

Chairperson: Patricia Woolf (University of Pennsylvania)

Ian Mitroff (University of Pennsylvania) and Daryl E. Chubin (Georgia Institute of Technology), "Peer Review: A Dialectical Policy Analysis"

John M. Wilkes (Cornell University), "Cognitive and Research Styles in Paradigm and Pre-Paradigm Fields"

William Harvey (University of Edinburgh), "The Sociology of Local Hidden Variable Experiments"

Nicholas C. Mullins (Indiana University), "The Rhetoric of Some Natural Science Papers"

*7:30 - 10:00 p.m.

SESSION IV.B: SPECIALTIES AND RELATIONS AMONG SPECIALTIES I.

Chairperson: Belver C. Griffith (Drexel University)

*Sessions A and B are concurrent.
(SESSION IV B, continued)

Francis Narin, Rosalie Shapiro, and Gabriel Pinski (Computer Horizons), "Cross-Institute Integration of Research Supported by National Institutes of Health"

Edward J. Hackett, Kenneth Studer, and Carl B. Backman (Cornell University), "Bibliometric Relations among Coauthorship Sets in Friend Virus"

Tadeusz Krawie (Cornell University), "Interspecialty Utilization of Knowledge and Indicators of Cognitive and Social Structure"

SUNDAY, 16 October

*9:30 a.m. - 12 noon
Parker House, Press Room

SESSION V A: SOCIAL STRATIFICATION AND MOBILITY IN SCIENCE
Chairperson: Michael Useem (Boston University)

Barbara Reskin (Indiana University), "The Impact of Academic Sponsorship on the Career Outcomes of Doctoral Scientists"

Thomas F. Gieryn (Columbia University), "Research Careers of Astronomers: Patterns of Problem Selection over the Life Cycle"

COPPER BREAK - Parker House, Press Room

Richard W. Willke (Indiana University), "The Uncertain Careers of Professionals in Training: The Case of Experimental Physics"

Robert McGinnis, J. Scott Long, and Paul Allison (Cornell University), "Five Factors That Contribute to the Utilization of Biochemists' Research: I. Three Direct Effects"

SESSION V B: PHILOSOPHICAL AND HISTORICAL ISSUES AND OPPORTUNITIES
Chairperson: Sal P. Restivo (Rensselaer Polytechnic Institute)

Wolfgang Kuhn (Max Planck Institut für Starnberg), "Edgar Allan Poe and the Sociological Interpretation of the Origins of Modern Science"

Susan Cannon (Smithsonian Institution), "A Theory of the Professions, Professional Jargon, and the Sciences in England around 1815"

COFFEE BREAK - Parker House, Press Room

Marc De Mey (Tilburg University), "The Cognitive Paradigm in Science Studies"

Michael J. Zeuzer (Rensselaer Polytechnic Institute), "The Positive: Inheritance and Cognitive Styles in Contemporary Physics: How Positivism Inhibits the Mutual Animation of Physics, Philosophy, and Social Studies of Science"

*Sessions A and B are concurrent.

Call for Nominations
12:00 noon - 1:30 p.m.  
BREAK FOR LUNCH

1:30 - 3:30 p.m.  
SESSION VI A: SPECIALTIES AND RELATIONS AMONG SPECIALTIES: II.  
Chairperson: Yoram Neumann (Boston University)  
Lowell L. Hargens, Pamela K. Hecht, and Nicholas C. Mullins (Indiana University), "Research Areas and Stratification Processes in Science"  
Ronald Tobey (University of California at Riverside), "Mannheim's Unfinished Agenda: American Grassland Ecology As a Case Study in the Ideology of Scientists, 1895-1935"  
Henry Small (Institute for Scientific Information), "A Comparative Study of Thirty Scientific Specialties"  
Patrick Moran (University of Georgia), "Citation Analysis and the History of Scientific Research Areas: The Case of Risky Shift"

1:30 - 3:30 P.M.  
Parker House,  
King Room

3:30 - 3:45 p.m.  
COFFEE BREAK - Parker House, Press Room

3:45 - 5:00 p.m.  
SESSION VI B: PROBLEMS IN SCIENCE POLICY AND NATIONAL SCIENTIFIC PROGRAMS  
Chairperson: Harold Orlans (National Academy of Public Administration)  
Ingrid Deich (University of Missouri at Rolla), "Images of Knowledge and Science Policies of Status Groups in the German Big Science Establishment"  
Maurice Richter (State University of New York at Albany), "Social Conditions of Scientific Progress"

3:30 - 5:00 p.m.  
Parker House,  
Press Room

Special Programs (time and place to be arranged and announced at meeting):

9 - 9:35  
9:35 - 10:05  
10:05 - 10:30  
10:30 - 11:05  
11:05 - 11:30

Research Opportunities for Social Scientists in Social and Economic Aspects of Marine Science Research - coordinated by Lorry King (National Science Foundation)

Organizational Meeting, Proposed Interest Group in the Psychology of Science - coordinated by Ian Mitroff (University of Pennsylvania)