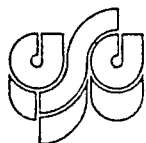


# SCIENCE, KNOWLEDGE and TECHNOLOGY

Winter, 1990



**Chair**

Henry Etzkowitz  
Center for Science and  
Technology Policy  
725 Park Ave.  
New York, NY 10021  
212-772-8120

**Chair-Elect:**

Susan E. Cozzens  
Science &  
Technology Studies  
Rensselaer Polytechnic  
Institute

**Secretary/Treasurer:**

H. Gil Peach  
Pacific Power  
Portland, Oregon

**Council:**

Mary Frank Fox  
Sociology Department  
Penn State University

Tom Gieryn  
Sociology Department  
& STS Program  
Indiana University

Willie Pearson, Jr.  
Sociology Department  
Wake Forest University

Judith A. Perrolle  
Sociology Department  
Northeastern University

James C. Petersen  
Sociology Department  
Western Michigan  
University

Kathy Slobin  
Sociology Department  
University of  
California  
Jan Francisco

William E. Snizek  
Sociology Department  
Virginia Polytechnic  
Institute

The center section of this newsletter contains the remaining pages of Tom Gieryn's sociology of science course outline. The first eight pages of the outline appeared in the Summer, 1989 SKAT Newsletter. The center insert also includes Susan Leigh Star's reading list for her Cal-Irvine course on the social analysis of computing. We thank these scholars for their willingness to share these materials with the section membership.

### Announcements

The section will be electing three Council members this year (one graduate student and two others). Please send nominations to Peter Whalley, Department of Sociology, Loyola University, Chicago, IL 60626 (312-508-3453) by April 1.

Course Syllabi - Tom Gieryn is still collecting course syllabi for the section's plan to publish a syllabi set through the ASA Teaching Services Program. Send materials to Tom Gieryn, Department of Sociology, Indiana University, Bloomington, Indiana 47405.

Frederick Frankena, Managing Editor of Politics and the Life Sciences, has invited SKAT members to submit manuscripts to the journal. He notes that the journal is especially interested in publishing work on biotechnology, biomedicine, or environmental quality. Works that emphasize policy and law are welcome. Frankena may be reached at Politics and the Life Sciences, Northern Illinois University, DeKalb, IL 60115-2854.

**Call for Papers:** The fifteenth annual meeting of the Society for Social Studies of Science will be held in Minneapolis, Minnesota, October 18-21. The Program Committee welcomes proposals for papers in all areas of the social studies of science and technology. Send three copies of proposals (up to 900 words) to J. Scott Long or Thomas F. Gieryn, Department of Sociology, 744 Ballantine Hall, Indiana University, Bloomington, IN 47405. Accepted proposals may be included in roundtable discussions, poster sessions of regular sessions. If you would like to organize a session, send three copies of a proposal specifying the topic, participants and paper titles; participants in these sessions should send three copies of their paper proposal.

Deadlines for receipt of all proposals is April 1, 1990. Letters of acceptance will be sent by June 15.

**ANNOUNCING A CONFERENCE!** "Technological Choices: American and European Experiences" Indiana University (Bloomington), April 12-14, 1990. Keynote Speaker is Bruno Latour. Kickoff Address by Dorothy Nelkin. Banquet with a talk by Thomas P. Hughes. Special session on post-constructivism in technology studies with: Wiebe Bijker, Ronald Giere, Timothy Lenoir. Other presentations by: Adele Clarke, Richard Hirsh,

David Hounshell, Sheila Jasanoff, Thomas Misa, Trevor Pinch, Ulrich Wengenroth, Steve Woolgar, Susan Wright and others. Sponsored by the Society for Social Studies of Science (4S) and, at Indiana University, the Program on West European Studies and the Program on Scientific Dimensions of Society. Registration fee \$25. For information and registration materials: Thomas F. Gieryn, Department of Sociology, Ballantine Hall 744, Indiana University, Bloomington, IN 47405. BITNET: gieryn@iubacs.

SKAT section member Raymond Eve (University of Texas at Arlington) has organized STS activities at the annual meeting of the Southwest Social Science Association to be held in Fort Worth on March 28-31. Activities include the following:

#### **ANTHROPOLOGICAL PERSPECTIVES ON CREATIONISM**

Chair: Jeffery E. Hanson, University of Texas at Arlington

1. "Past Imperfect Scientific Creationists and the Archeological Record," Francis Harrold, University of Texas at Arlington.
2. "Creation Science and Creation Myths: An Ethnological Perspective," Jeffery Hanson, University of Texas at Arlington and Jerry Hanson.
3. "Anthropological Perspectives on Teaching Evolution in Hostile Environments," Eugenie C. Scott, National Center for Science Education.

Discussant: Raymond A. Eve, University of Texas at Arlington

#### **CREATIONISM AND CONTEMPORARY CULTURE**

Chair: Douglas Eckberg, Winthrop College

1. "Creationism as a Moral Critique: A Comparison Between the 1920s and 1980s," Lester H. Harrison, North Carolina State University.
2. "Hegemony and Internal Divergency on Modern Creationist Thought," Christopher P. Toumey, North Carolina State University.
3. "Creationism as Cultural Expression, Status Defense and Sacred Canopy: Nominal Belief and Policy Orientation," Douglas L. Eckberg, Winthrop College.

#### **SUPERCOLLISION: HIGH TECH WORKFORCE REQUIREMENTS AND THE FAILURE OF CONTEMPORARY SCIENCE EDUCATION**

Organizer and Chair: Raymond A. Eve, University of Texas at Arlington

Participants: John D. Miller, Director, Public Opinion Laboratory,  
Northern Illinois University  
Jerald Skoog, Chairman, Department of Education,  
Texas Tech University  
Eugenie C. Scott, Executive Director, National Center  
for Science Education

#### **SCIENCE, KNOWLEDGE AND TECHNOLOGY I**

Chair: Phillip K. Armour, University of Texas at Dallas

1. "Poetic Representations of Science," Gretchen Sween, University of Texas at Dallas.
2. "An Aromatic Idea of Nature," Brian Moore, University of Texas at Dallas.
3. "Coming of New Age in Texas," David T. Bailey, Sam Houston State University.
4. "Animal Rights and Human Rights: Pro-Life Social Movements in Conflict with Modern Science," Phillip K. Armour, University of Texas at Dallas.

Discussant: Frederick Turner, University of Texas at Dallas

March 9: Scientific Discourse: Talk, Text and Pictures

- Charles Bazerman, Shaping Written Knowledge: The Genre and Activity of the Experimental Article in Science (1988)
- Gary L. Downey, "Reproducing Cultural Identity in Negotiating Nuclear Power: The Union of Concerned Scientists and Emergency Core Cooling" Social Studies of Science 18(1988), 231-64
- G. Nigel Gilbert and Michael Mulkey, "Experiments are the Key: Participants Histories' and Historians' Histories of Science" Isis 75(1984), 105-25 [with criticism by Steve Shapin, pp. 125-30]
- \*G. Nigel Gilbert and Michael Mulkey, Opening Pandora's Box: A sociological Analysis of Scientists' Discourse (1984) Chapters 1 and 3
- Joseph Gusfield, "The Literary Rhetoric of Science: Comedy and Pathos in Drinking Driving Research" American Sociological Review 41(1976), 16-34
- John Law and R.J. Williams, "Putting Facts Together: A Study of Scientific Persuasion" Social Studies of Science 12(1982), 535-58
- Michael Lynch and Steve Woolgar (eds.), Representation in Scientific Practice, special issue of Human Studies 11(April/July 1988)
- Michael Mulkey, Jonathan Potter, Steven Yearley, "Why an Analysis of Scientific Discourse is Needed" in Knorr-Cetina and Mulkey (eds.), Science Observed (1983) Ch. 7
- Steve Woolgar (ed.), Knowledge and Reflexivity (1988)

March 14: Interest Models [MIDTERM EXAM DISTRIBUTED]

- Barry Barnes, Interests and the Growth of Knowledge (1977)
- Donald MacKenzie, Statistics in Britain 1865-1930: The Social Construction of Scientific Knowledge (1981)
- \*Andrew Pickering, "Interests and Analogies" in B. Barnes and D. Edge (eds.), Science in Context (1982) Ch. 7
- Andrew Pickering, Constructing Quarks (1984)
- \*Trevor J. Pinch and Wiebe Bijker, "The Social Construction of Facts and Artifacts, Or How the Sociology of Science and the Sociology of Technology Might Benefit Each Other" in W. Bijker et al. (eds.), The Social Construction of Technological Systems (1986) Pp. 17-50
- Steve Shapin, "The Politics of Observation: Cerebral Anatomy and Social Interests in the Edinburgh Phrenology Dispute" in Roy Wallis (ed.), On the Margins of Science (1979) Pp. 139-78
- Steve Woolgar, "Interests and Explanation in the Social Studies of Science" Social Studies of Science 11(1981), 365-94 [and subsequent exchange among Barnes, MacKenzie and Woolgar, pp. 481-514]

March 16: Spillover [MIDTERM EXAMINATION DUE]

March 21 and 23: Spring Recess

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PART C. SCIENCE IN/AS POLITICAL, ECONOMIC AND CULTURAL CONTEXT

March 28: The Emergence of Modern Science

- Joseph Ben-David, "Scientific Growth: A Sociological View: Minerva 2(1964), 455-76
- Thomas F. Gieryn, "Distancing Science from Religion in 17th Century England" Isis 79(December 1988),
- Margaret Jacob, The Cultural Meaning of the Scientific Revolution (1988)
- Robert K. Merton, Science, Technology and Society in 17th Century England (1938)
- \*Robert K. Merton, "Changing Foci of Interests in the Sciences and Technology" in his The Sociology of Science (1973) Ch. 8
- \*Robert K. Merton, "The Puritan Spur to Science" in his The Sociology of Science (1973) Ch. 11
- Steve Shapin, "Understanding the Merton Thesis" Isis 79(December 1988),
- Wolfgang van den Daele, "The Social Construction of Science: Institutionalization and Definition of Positive Science in the Latter-Half of the 17th Century" in Sociology of the Sciences Yearbook I (1977) Pp. 27-54

March 30: Professionalization of Scientific Roles

- \*Joseph Ben-David, The Scientist's Role in Society (1971) Ch. 8
- Joseph Ben-David and Randall Collins, "Social Factors in the Origins of a New Science: The Case of Psychology" American Sociological Review 31(1966), 451-65
- Gad Freudenthal and Ilana Lowy, "Ludwik Fleck's Roles in Society: A Case Study Using Joseph Ben-David's Paradigm for a Sociology of Knowledge" Social Studies of Science 18(1988), 625-652
- Thomas F. Gieryn, "Science and Coca-Cola" Science and Technology Studies 5(1987), 12-21
- Everett Mendelsohn, "The Emergence of Science as a Profession in 19th Century Europe" in K. Hill (ed.), The Management of Scientists (1964) Pp. 3-48
- Arnold Thackray, "Natural Knowledge in Cultural Context: The Manchester Model" American Historical Review 79(1974), 672-709
- Edward Shils, "The Profession of Science" Advancement of Science (June 1968), 469-480
- Frank Turner, "Public Science in Britain, 1880-1919" Isis 71(1980), 589-608
- April 4: Scientometrics, or: The Demography of Science
- National Science Board, National Science Foundation, Science Indicators [most recent volume in this series is 1987]
- Fritz Machlup, The Production and Distribution of Knowledge in the United States (1962)

\*Derek J. deSolla Price, Little Science, Big Science...And Beyond (1986) Ch. 1  
 Michael Rubín and Mary Huber, The Knowledge Industry in the United States 1960-1980 (1986)

April 6: Policy for Science

Daryl Chubin and Sal Restivo, "The 'Mooting' of Science Studies: Research Programmes and Science Policy" in Knorr-Cetina and Mulkey (eds.), Science Observed (1983) Ch. 3  
 \*David Dickson, The New Politics of Science (1984)  
 A. Hunter Dupree, Science in the Federal Government (1986)  
 Daniel Kevles, The Physicists (1979)  
 Susan Wright, "Molecular Biology or Molecular Politics?: The Production of Scientific Consensus on the Hazards of Recombinant DNA Technology" Social Studies of Science 16(1986), 593-620

April 11: Science for Policy

\*Barry Barnes and David Edge, "Science as Expertise" in their Science in Context (1982) Pp. 233-49  
 Barry Barnes, About Science (1985) Chs. 3 and 4  
 Brian Campbell, "Uncertainty as Symbolic Action in Disputes Among Experts" Social Studies of Science 15(1985), 429-53  
 H. Tristram Engelhardt, Jr. and Arthur L. Caplan (eds.), Scientific Controversies (1987)  
 Brendan Gillispie, Dave Eva and Ron Johnston, "Garcinogenic Risk Assessment in the USA and UK: The Case of Aldrin/Dieldrin" Social Studies of Science 9(1970), 265-301 [in Barnes and Edge (eds.), Science in Context (1982) Ch. 18]  
 Stephen Hilgartner, "Who Speaks for Science? Disputes Among Experts in the Diet-Cancer Debate" [unpublished ms. on reserve]  
 Sheila Jasanoff, "Contested Boundaries in Policy-Relevant Science" Social Studies of Science 17(1987), 195-230  
 Allan Mazur, The Dynamics of Technical Controversy (1981)  
 Dorothy Nelkin (ed.), Controversy: Politics of Technical Decisions (1984)  
 Mark Rusefsky, "The Misuse of Science in Governmental Decision-Making" Science, Technology and Human Values 9(1984), 47-59

April 13: Organizations for Technoscience

Stephen R. Barley, "Technology as an Occasion for Structuring: Evidence from Observations of CT Scanners and the Social Order of Radiology Departments" Administrative Science Quarterly 31(1986), 78-108  
 Edward Constant II, "The Social Locus of Technological Practice: Community, System or Organization?" in Wiebe Bijker et al (eds.), The Social Construction of Technological Systems (1987) Pp. 223-242  
 Karin Knorr-Cetina, "Scientific Communities or Transepistemic Arenas of Research?" Social Studies of Science 12(1982), 101-30  
 \*Wesley Shrum and Joan Morris, "Organizational Constructs for the Assembly of Technological Knowledge" in S. Cozzens and T. Gieryn (eds.), Theories of Science and Society (1989) [ms. copy on reserve]

Wesley Shrum, Organized Technology: Networks and Innovations in Technical Systems (1985)  
 Richard Whitley, The Intellectual and Social Organization of the Sciences (1984)

April 18: Hegemonic Science

\*Stanley Aronowitz, Science as Power (1988) Chs. 1 and 12  
 Paul Forman, "Behind Quantum Electronics: National Security as a Basis for Physical Research in the United States 1940-1960" Historical Studies in the Physical and Biological Sciences 18(1987), 149-229  
 Jurgen Habermas, "Technology and Science as 'Ideology'" in his Toward a Rational Society (1970)  
 David Noble, Forces of Production (1984)  
 Langdon Winner, The Whale and the Reactor (1986) Part I

April 20: Heterogeneous Networks I: Science in Action

April 25: Heterogeneous Networks II: Pasteurization of France

Michel Callon, "Society in the Making: The Study of Technology as a Tool for Sociological Analysis" in Wiebe Bijker et al. (eds.), The Social Construction of Technological Systems (1987) Pp. 83-106  
 Thomas F. Gieryn and Anne E. Figert, "Ingredients for a Theory of Science in Society: O-Rings, Ice Water, C-Clamp, Richard Feynman and the New York Times" in S. Cozzens and T. Gieryn (eds.), Theories of Science in Society (1989) [ms. copy on reserve]  
 \*Bruno Latour, "Give Me a Laboratory and I Will Raise the World" in Knorr-Cetina and Mulkey (eds.), Science Observed (1983) Ch. 7  
 \*Bruno Latour, Science in Action (1987) Introduction, Chs. 1 & 2  
 Bruno Latour, The Pasteurization of France (1988)  
 John Law, "Technology and Heterogeneous Engineering: The Case of Portuguese Engineering" in Wiebe Bijker et al. (eds.), The Social Construction of Technological Systems (1987) Pp. 111-134  
 John Law and Michel Callon, "Engineering and Sociology in a Military Aircraft Project: A Network Analysis of Technological Change" Social Problems 35(1988), 284-297

April 27: Science as a Social World

Howard Becker, Art Worlds (1982)  
 \*Adele E. Clarke, "A Social Worlds Research Adventure: The Case of Reproductive Science" in S. Cozzens and T. Gieryn (eds.), Theories of Science in Society (1989) [ms. copy on reserve]  
 Joan H. Fujimura, "The Molecular Biological Bandwagon in Cancer Research: Where Social Worlds Meet" Social Problems 35(1988), 261-83  
 Elihu Gerson, "Scientific Work and Social Worlds" Knowledge 4(1983), 357-77  
 Susan Leigh Star, "Simplification in Scientific Work: An Example from Neuroscience Research" Social Studies of Science 13(1983), 205-228  
 Susan Leigh Star, "Scientific Work and Uncertainty" Social Studies of Science 15(1985), 391-428

May 2: Cultural Cartography I: TheoryMay 4: Cultural Cartography II: Episodes

Pierre Bourdieu, "The Specificity of the Scientific Field and the Social Conditions of the Progress of Reason" Social Science Information 14(1975), 19-47

Robert Darnton, The Great Cat Massacre

Mary Douglas, How Institutions Think (1986)

Michel Foucault, The Order of Things (1970)

\*Thomas F. Gieryn, "Boundary-work and the Demarcation of Science from Non-Science" American Sociological Review 48(1983), 781-95

Thomas F. Gieryn, George M. Bevins and Stephen C. Zehr,

"Professionalization of American Scientists: Public Science in the Creation/Evolution Trials" American Sociological Review 50(1985), 392-409

Thomas F. Gieryn, "Scientific Communication and National Security" in

D. Chubin and E. Chu (eds.), Science Off the Pedestal (1989) Pp. 79-94

\*Thomas F. Gieryn, Making Space for Science [book in progress; chapters will be distributed as available]

Steven Shapin and Simon Schaffer, Leviathan and the Air-Pump (1985)

Chs. 1, 7 and 8

Reading List**ICS 258 Social Analysis of Computing**

Winter, 1989

Prof. Leigh Star

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**Books**

Required: *Social Problems: Special Issue on the Sociology of Science and Technology*. Volume 35:3, June, 1988.

Tracy Kidder. *The Soul of a New Machine*. Avon: 1981.

**Articles**

Carl Becker, "What are Historical Facts?" in *Detachment and the Writing of History*. (Ithaca, NY: Cornell, 1968), pp. 41-64.

Frederick Brooks. "The Mythical Man-Month," Chapter 2 of his *The Mythical Man Month: Essays on Software Engineering*. Reading, MA: Addison-Wesley, 1975.

Donald T. Campbell, "Ethnocentrism of Disciplines and the Fish-Scale Model of Omniscience." In D. Chubin, A. Parter, F. Sossini and T. Connolly (eds.) *Interdisciplinary Analysis of Research* (Mt. Airy, MD: Lomond, 1986), pp. 3-46.

John M. Carroll and Robert L. Campbell, "Softening Up Hard Science: Reply to Newell and Card," *Human-Computer Interaction*, 2 (1986), 227-249.

Ruth Schwartz Cowan, "How the Refrigerator Got its Hum," in D. MacKenzie and J. Wajcman (eds.), *The Social Shaping of Technology* (Philadelphia: Open University Press, 1985), 202-18.

Paul A. David, "Some New Standards for the Economics of Standardization in the Information Age," *Economic Policy and Technological Performance* P. Dasgupta and P. Stoneman, (eds.) Cambridge University Press, London, (1987).

Paul A. David, "Clio and the Economics of QWERTY," *American Economic Review*, 75 (1985), 332-37.

Richard DeMillo, Richard Lipton and Alan Perlis, "Social Processes and Proofs of Theorems and Programs," *Communications of the ACM* 22.5 (1979), 271-280.

James Fetzter, "Program Verification: The Very Idea," *Communications of the ACM*, 31 (1988), 1048-1063.

Les Gasser, "The Integration of Computing and Routine Work," *ACM Transactions on Office Information Systems*, 4:3 (1986), 205-225.

Carl Hewitt, "The Challenge of Open Systems," *BYTE* (April, 1985), 223-?.

Robert Howard, "Systems Design and Social Responsibility: The Political Implications of 'Computer-Supported Cooperative Work'" *Offices, Technology and People*, 3 (1987), 175-87.

John L. King and Kenneth Kraemer, "Evolution and Organizational Information Systems: An Assessment of Nolan's Stage Model," *Comm. of the ACM* 27 (1984), 466-475.

Rob Kling, "Social Analyses of Computing: Theoretical Perspectives in Recent Empirical Research," *Computing Surveys* 12 (1986), 61-110.

Rob Kling and Eihyu Gerson, "Patterns of Segmentation and Intersection in the Computing World," *Symbolic Interaction* 1 (1978), 24-43.

- Jean Lave, "The Values of Quantification," in J. Law (ed.), *Power, Action and Belief*. (London: Routledge and Kegan Paul, 1986), pp. 88-111.
- Michael S. Mahoney, "The History of Computing in the History of Technology," *Annals of the History of Computing*, 10 (1988), 113-25.
- M. Lynne Markus and N. Bjorn-Andersen, "Power Over Users: Its Exercise by System Professionals," *CACM*, 30 (1987), 498-504.
- M. Lynne Markus, "Power, Politics and MIS Implementation," *Communications of the ACM*, 26 (1983)
- Allen Newell and Stuart Card, "The Prospects for Psychological Science in Human-Computer Interaction," *Human-Computer Interaction*, 1 (1985), 209-242. (1)
- Allen Newell and Stuart Card, "Straightening Out Softening Up: Response to Carroll and Campbell," *Human-Computer Interaction*, 2 (1987), 251-67. (2)
- Judith A. Perolle, "Intellectual Assembly Lines; The Rationalization of Managerial, Professional, and Technical Work," *Computers and the Social Sciences*, 2 (1986), 111-121.
- Arie Rip, "Opening the Black Box of Technological Development," in Daryl Chubin and Ellen Chu, *Science Off the Pedestal: Social Perspectives on Science and Technology*, (Belmont, CA: Wadsworth, 1988), pp. 138-144.
- Donald Roy, " 'Banana Time': Job Satisfaction and Informal Interaction, *Human Organization*: 18 (1959), 158-168.
- Walt Scacchi, "Managing Software Engineering Projects: A Social Analysis," *IEEE Transactions on Software Engineering*, SE-10:1 (January 1984), 49-59.
- Lenny Siegel, "Microcomputers: From Movement to Industry," *Monthly Review*, 38 (1986), 110-117.
- Herbert Simon, "The Structure of Ill-Structured Problems," *Artificial Intelligence*, 4 (1973), 181-201.
- Susan Leigh Star, "Simplification in Scientific Work: An Example from Neuroscience Research," *Social Studies of Science*, 13 (1983) 206-28.
- Susan Leigh Star and Elihu Gerson, "Analyzing Due Process in the Workplace," *ACM Transactions on Office Information Systems*, 4.3 (1986), 257-70.
- Susan Leigh Star and Elihu Gerson, "The Management and Dynamics of Anomalies in Scientific Work," *Sociological Quarterly*, 28 (1987), 147-69.
- Lucy Suchman, "Representing Practice in Cognitive Science," *Human Studies*, 11 (1988), 305-?.
- Langdon Winner, "Do Artifacts Have Politics?," in D. MacKenzie and J. Wajcman (eds.), *The Social Shaping of Technology*. (Philadelphia: Open University Press, 1985), 26-38.

## SCIENCE, KNOWLEDGE AND TECHNOLOGY II

Chair: Raymond A. Eve, University of Texas at Arlington

1. "Towards an Evolutionary Epistemology," Alex Argyros, University of Texas at Dallas.
  2. "Economy, Success, Farmers, and Ideology Among Midwestern Farmers," Jerry Hanson.
  3. "Social Issues Forecasting and Assessment: The Superconducting Supercollider," Elizabeth Gill, University of Texas at Austin.
  4. "Knowledge as Paradigm or Process," John Pester, University of Texas at Dallas.
- Discussant: Frederick Turner, University of Texas at Dallas.

### Chair's Report:

#### Science, Knowledge and Technology at the '89 Meetings and Thereafter

Henry Etzkowitz

Your Council began its meeting with an expression of pleased surprise that it represented just short of four hundred sociologists of Science, Knowledge and Technology. A brief discussion ensued over how a modest recruitment gain could pass over the 400 threshold, securing additional sessions for the section. At this seven a.m. breakfast on section day, several issues were discussed and proposals were settled upon for consideration at the business meeting to be held later in the morning after the round table sessions.

These included: establishing a second graduate student membership in Council; specification of the form that section awards will take; recruiting additional person(s) to work on the Section's curriculum and syllabus project; and raising dues.

It was also recommended that the 1990 program chair organize a dissertation discussion group as part of the round table session that takes place during the first hour of the time period officially allotted to a business meeting. This would provide a forum for graduate students, encourage the formation of a broader network and hopefully lead to a full session in coming years.

#### The following actions were taken at the 1989 business meeting:

Council proposed and the business meeting affirmed adding a second graduate student position to Council. The initial position has assured graduate student participation in Council and this decision will strengthen that representation and hopefully lead to greater student involvement in other section activities as well.

Council proposed and the business meeting affirmed holding a referendum of the membership on a proposal to raise section dues to \$2 above the current minimum level, virtually all of which goes to ASA to support publication of our newsletter. Additional funds could support an expanded newsletter. Other possibilities include funding the awards program, the syllabus project and section day social events. A possible negative affect could be a reduction in membership. In any event, graduate student dues were excluded from the proposal and will remain at the minimum allowable level.

According to ASA rules revised at our section's suggestion, awards can be initiated after a section has existed for three years instead of having to wait five years. Council proposed and the meeting affirmed the principle that awards should be given for the best work in the field during the previous year. There shall be 2 awards, one for a graduate student or for work done as a graduate student and a second award for work done by scholars after their graduate education. Thus, awards will be made for an

outstanding recent contribution as opposed to a "lifetime" award recognizing an entire career although the section could offer such recognition through special awards rather than as a regular practice. An article, book, dissertation or other form of product would constitute the basis of a nomination for an award and Council will serve as the awards committee until the section designates a special committee for this purpose.

The section's syllabus and curriculum project invites additional participation. Interested persons should contact Tom Gieryn at Indiana University.

I am pleased to report that our two regular and one special session were lively and well attended. The regular sessions took the form of 15 minute paper presentations, talked from transparencies rather than read from texts. This format also allowed time for two discussants with contrasting viewpoints as well as a general discussion.

This year's special session on policy issues focused on women in science and engineering and included brief presentations of their research by several section members and a discussion of the NSF Sociology Program's special research initiative on women in science. The special session was organized by taking advantage of ASA's offer to provide time slots and rooms for special interest groups and scheduled for the evening preceding section day.

An informal reception was held after the last session, with refreshments funded by a levy on Council members. If anyone has a publisher that would be interested in funding a similar event next year please get in touch. To allow participation by members with time conflicts at 7 a.m. Council will meet next year for dinner on the evening preceding section day, either before or after the special session.

We can share a common pride that our section has gotten off to a good start with two full section days in as many years, one organized prior to and the other following the official existence of the section. Our special appreciation goes to Jim Petersen and Mary Frank Fox for their work on the Newsletter, to Tom Gieryn for the curriculum project, to Judy Perolle for organizing nominations and most of all to Susan Cozzens, not only for her hard work in organizing the section but for her foresight in seeing a full fledged ASA section where others saw only a fledgling and ill staffed subdiscipline.

The rapid growth of our section is part of a sea change in sociology toward a greater emphasis on attention to specific institutional areas of society rather than on general methodological and theoretical issues, although the latter approaches will surely not be submerged. Indeed, we expect innovations in analyses of institutional areas to be transferred from one to the other and generalized throughout the discipline such as from gender to science and vice versa. There is also increasing public recognition that science, knowledge and technology are moving ever closer to becoming core institutional areas of society, as the economy and polity become increasingly dependent upon them even as the converse is, of course, also true. Moreover, we can expect this trend to continue and even accelerate given the decline of the military in coming years, in both East and West, despite occasional perturbations. We live in times when common forms of change cross cut different economic and political systems and that, in the late twentieth as in the late nineteenth century, is when sociology becomes especially alive and relevant.