

ASA-SKAT

Science, Knowledge, and Technology

From the Section Chair

Michael Lynch, Cornell University

As many of you know, the 2004 ASA meeting in San Francisco this August was very well attended. Above and beyond the fact that so many sociologists flocked to San Francisco for the meetings, our three sponsored sessions, and also our roundtables, business meeting, and reception on August 15 drew larger audiences than usual. The crowd for one session spilled out in the hallway. I also was pleased with the quality of the presentations and the lively discussions in our sessions. For the second year in a row, we held the evening reception outside of the conference hotels – this time in an Irish Pub. A good-sized crowd attended, so it seems that our members are voting with their feet in favor of ‘outside’ receptions. Next year, in Philadelphia, we’ll try this again, though after the expense of the San Francisco reception I’ll be keeping a wary eye on price.

As I have said in past issues of this newsletter, for the last few years our membership has hovered near the 400 mark, and we have had to scramble to keep it above that number. Thanks to a number of members who joined at the ASA meetings, our membership is now up to around 410. The ASA consults these numbers when allocating a section’s budget and number of sessions at the annual meetings, and staying above the 400 mark allows us to maintain our quota of three sessions plus roundtables at next year’s meeting. In addition to the two open sessions, the invited session, and the roundtables, Jen Croissant, our Chair-Elect and Program Committee Chair, has made an arrangement with the Sex and Gender Section to hold a joint section at next

year’s meeting. Speaking of round numbers, this will be the 100th anniversary meeting of the ASA, and so I expect it to be well attended, and to have many special events.

Early in its history, the proto-ASA dubbed itself the American Sociological Society. Perhaps out of concern for the unfortunate acronym this name generated, the name was changed some years later. In my view, the Science, Knowledge, and Technology Section is saddled with a slightly less unfortunate acronym, though as one member pointed out to me, the word ‘skat’ means a card game, and its homophone ‘scat’ has other meanings besides ‘a fecal dropping of an animal’. Indeed, one meaning is really cool: ‘a style of jazz singing that uses nonsense syllables to approximate the sound of a solo instrument’. Although I love jazz and habitually use indexical expressions, and also have been accused of speaking in nonsense syllables, I would like to continue my search for an alternative name/acronym. At the August meeting, I was very pleased to discover that Maren Klawiter, a member of the SKAT Council, has joined me in this quest, and so anyone who wants to join us in some virtual brainstorming has an open invitation to share your ideas.

For those of you who were unable to attend the business meeting, we announced two prizewinners. Lynn Eden won the Robert K. Merton Professional Award, our yearly book prize, and Aryn Martin won the Sally Hacker/Nicholas Mullins Prize for best student paper.

Lynn Eden is the Associate Director and a Senior Research Fellow at the Center

Special Interest Articles:

- From the Chair
- Spotlight: Programs
- Special Opportunities

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for International Security and Cooperation at Stanford University. The book for which she won the Merton Award is *Whole World on Fire: Organizations, Knowledge, and Nuclear Weapons Devastation* (Ithaca: Cornell University Press, 2004). As the title suggests, this study examines official assessments of the destruction caused by nuclear weapons, which take account of the blast, but tend to underestimate the damage caused by firestorms. Past-chair of the section, Joan Fujimura announced the award, and we were very pleased that Professor Eden was present to receive our congratulations and express her thanks. I'm grateful to Joan for having headed the committee and for having made the contacts with the publishers that enabled the committee to get an excellent selection of candidate books. And, I am also very grateful to Renee Anspach, Stefan Timmermans, and Kathryn Henderson for their work on the book prize committee – undoubtedly the most time consuming (though rewarding) of our committee jobs.

I was extremely pleased that Aryn Martin won the Hacker/Mullins Prize for her paper, 'Can't any body count? Counting as an epistemic theme in the history of human chromosomes'. Aryn is a fourth-year student in our Ph.D. program at Cornell, working on a fascinating dissertation that is exploring the implications for personal identity of genetic chimera, mosaics, and other conditions in which more than one genome occupies a single body. However, the paper for which she won the prize was on a different topic: the history of discrepant counts of human chromosomes during the first half of the 20th century. This paper will be appearing in the December 2004 issue of the journal I edit, *Social Studies of Science* 34(6). I should mention that I absented myself from the journal's review of the paper, and I was not involved in the Hacker/Mullins Award decision.

For the latter, I am grateful to Susan Bell for chairing the committee and presenting the award, and to Susan Silbey and Kelly Joyce for their work on the committee.

We welcomed two new members who were elected to the Council, and whose terms started at the close of the 2004 meetings: Susan Silbey (MIT) and Christopher Henke (Colgate) are beginning three-year terms, and Aryn Martin (Cornell) will be the 2004-05 student representative on Council. I also would like to thank Susan Bell and Kathryn Henderson, whose three-year terms ended at this year's meeting, and Anita Chan, who was our student representative.

In the year ahead, we will be having a full slate of elections. The Section Chair is a two-year term, preceded by a two-year term as Chair-Elect. After the 2005 meeting, Jen Croissant, who is currently Chair-Elect, will assume the Chair, and so we will be electing a new Chair-Elect, as well as two council members to three-year terms, and the student representative for 2005-06. I'm very happy that Andrea Hoplight-Tapia and Todd Paddock are willing to continue their excellent work on the Newsletter, but we will need a new Webmaster, because Aneesh Aneesh, who helped design our beautiful website has requested that we find a replacement. Really, it is beautiful – take a look: <http://www.asanet.org/sectionskat/> However, it does need updating, and at the meetings I proposed that we develop a new section of the site that provides some history for the section: information about the formation of the section, lists of council members and award winners, and some biography about the persons after whom our awards are named. Currently, our institutional memory is spotty and fragmented. I would be very happy if anyone who would like to work on this project would contact me.

SKAT Treasurer's Report

SKAT Budget and Membership Numbers, Daniel Kleinman, SKAT, Secretary-Treasurer

Each year, SKAT attendees of the section council meeting and the business meeting wait breathlessly to hear the secretary-treasurer's budget and membership report. For those of you who missed the excitement, here are the details:

- As of mid-June 2004, SKAT had 372 members (148 student members and 215 "regular members");
- SKAT total income, as of May 31, 2004 was \$1,976 (of which \$1,805 was our budget allocation from ASA);
- Reported expenses, as of May 31, 2004, amounted to \$492 and were for production and mailing of our newsletter;
- SKAT's remaining assets on May 31, 2004 were \$3,349.

These figures have changed some subsequently. Our reported expenditures, as of May 31st, did not include all newsletter costs, our award costs, or our conference reception expenses. The July 31st report from ASA alters the picture slightly:

- Reported Income: \$2068 (of which \$1,805 was our budget allocation from ASA);
- Reported Expenses: \$754. This includes additional newsletter expenses and award payments;
- Net Assets: \$2,687;
- This picture does not include the cost of our reception.

Join us at next year's business meeting for more exciting news.

Book Notes

**Mary Ingram, SKAT Book Review
Editor, Research Fellow
Institute for Advanced Studies on
Science, Technology, and Society
Graz, Austria**

Brown, Theodore. 2003. Making Truth: Metaphor in Science. Champaign, IL: University of Illinois Press.

In Making Truth: Metaphor in Science, Theodore Brown explains how scientists use metaphor to approach phenomena, ask questions, design research, and communicate findings. Brown's objective is to uncover how conceptual metaphors, such as "the cell is like a factory" or "the atom as an indivisible unit of matter," have shaped or continue to shape scientific paradigms. To illustrate his argument about how metaphors structure science, he presents case studies of the atom, the cell, and global warming. He also looks at how seemingly objective scientific models, such as representations of chemical bonds, or theories, such as mathematical formulas explaining potential relationships of protein folding, are derived from metaphorical reasoning. Finally, he presents the stakes of considering metaphors in scientific knowledge production: using metaphor to understand the work of scientists, whether one is a scientist, policy-maker, or student, facilitates an understanding of how that piece of science is embedded in the larger social world.

In each of the case studies, Brown first lays out a historical picture of prevailing paradigms. Though his primary analytic focus is on particular metaphorical representations, readers also get a rich narrative of emergent scientific phenomena. Brown discusses the metaphors associated with the scientific development of the atom over two chapters. In the first, he looks back nearly 2000 years to explain how scientists and philosophers characterized atoms, things that could not only not be seen but could not even be deduced from any kind of experimental methods. What Brown discovers is that even 2000 years ago, scientists invoked their embodied experiences of everyday physical

phenomenon to explain things they could not readily see. For instance, a visual experience such as watching particles of dust moving along in the light became the basis for understanding the tiniest quantities of matter.

For part of the book, Brown focuses on single phenomena, including atoms, cells, and processes such as protein folding. In his final case study, Brown looks at some of the metaphors that characterize the larger issue of global warming. One of the metaphors that he examines is that of a global temperature, a representation of something that does not objectively exist. Scientists must make decisions about where to measure global temperatures, how to address differing kinds of measurements, and how to account for hundreds of years of missing or inconsistently measured data. Then scientists must come to agreement about how to quantify the data into a single measurement. In the discussion of global temperature, Brown highlights the complexities of how scientists interact with politicians, environmental advocates, and the public, to develop meaningful metaphors. Further, he shows how these metaphors become co-opted into public discourse. The greenhouse effect, a widely used metaphor in public discourse, does not refer to anything concrete. Yet, as Brown points out, it is utilized for policy-making as well as conveying information to public audiences.

This last point frames the stakes of Brown's argument. Consumers of science, whether scientists, students, policy-makers, or the public, must consider the role of metaphor in the production of scientific knowledge. Metaphors shape the larger scientific and social worlds within which the particular scientific phenomenon is embedded. Knowing that scientists have conceptualized the cell as a factory sets up an image of a cell as having functions and interrelated parts. Using this kind of representation affords a language or logic to understanding the actions of scientists. Following the metaphor also helps students make predictions in similar ways that guide scientists' research. Brown also

cautions consumers of science to know where the metaphor stops. Thus, metaphors, whether models, theories, or equations, are not literal representations of objective phenomena. Cells are not factories and global temperatures do not really exist. Expecting cells to have the properties of factories may help students predict some relationships about cells; however, putting aside the metaphor frees potentially constraining logic about the scientific phenomenon.

Brown has written a clear and engaging book about the social aspects of scientific work. This would be appropriate for science, technology, and society courses as well as interdisciplinary courses in humanities and science. Brown's case studies are in chapter form and thus could easily function as stand-alone pieces. The two chapters on using conceptual metaphors provide clear methodological and theoretical underpinnings for Brown's research.

Other recent books at the intersections of language and science, knowledge, and technology:

Lakoff, George and Mark Johnson. 2003. Metaphors We Live By, 2nd Ed. Chicago, IL: University of Chicago Press.

Maason, Sabine, Peter Weingart, and Everett Mendelsohn. 2002. Biology as Society, Society as Biology: Metaphors. Kluwer Academic Publishers.

Murphy, Peter F. 2001. Studs, Tools, and the Family Jewels: Metaphors Men Live By. Madison, WI: University of Wisconsin Press.



Spotlight on Programs

The Science, Technology, and Society Program at North Carolina State University

Joseph R. Herkert, Associate Professor of STS and Program Director

The Science, Technology, and Society (STS) Program at NC State University sponsors several interrelated activities:

- Interdisciplinary courses with the prefix “STS” most of which meet the university’s unique General Education Requirement (GER) in STS.
- The B.A. and B.S. majors in STS, consisting of 30 credit hours of course work in the major: STS 214-Introduction to STS; STS 403: Seminar in STS; a four-course breadth requirement including courses chosen from: I- History, II-Philosophy of Science and Ethics, III- Assessment and Policy, and IV-Other STS Courses; and a four-course STS Specialty that addresses a coherent theme related to science, technology, and society.
- The Minor in STS, consisting of 15 hours of course work including STS 214- Introduction to STS.
- The annual Rolf Buchdahl Lecture on Science, Technology, and Values. Recent Buchdahl lecturers have included Ruth Schwartz Cowan, Langdon Winner, and Evelyn Hammonds.

The roots of the STS Program extend back to the Department of Social Studies in the School of Engineering, which in 1970 became the Division of University Studies in the Provost’s Office. Among many distinguished faculty in the Division, Rolf Buchdahl, a retired industry researcher, was a visiting scholar. The Buchdahl Lecture, inaugurated in 1981, and endowed by a gift from his family following Dr. Buchdahl’s death in 1980. The STS Minor was established in 1987, founded on the work of the Division and an ad hoc university committee. In 1999, the B.A. and B.S. majors in STS were established within what by then had

become the Division of Multidisciplinary Studies (MDS) in the College of Humanities and Social Sciences (CHASS). In July 2004, MDS was disbanded and its interdisciplinary programs assigned to the CHASS Dean’s Office.

The program, which has about thirty majors, has two interdisciplinary core faculty with tenure lines assigned to the CHASS Dean’s Office. The STS Program Faculty also currently includes representatives from the traditional departments of Business Management, Communication, Crop Science, English, History, Philosophy and Religion, and Psychology.

All students entering NC State since 1994 are required to take at least one STS course. The requirement grew out of recognition that NC State’s mission as a land grant university stressing science and technology necessitates “that students be exposed to the vital interactions among science, technology, society, and the quality of life.” The objectives of the requirement are to:

1. develop an understanding of the mutual relationships between science or technology and societies, including the effects of or the effects on cultures, values, industries, governments, or other facets of those societies.
2. develop an ability to critically evaluate information regarding these mutual relationships, recognizing that the information may come from a variety of sources and perspectives.

In addition to courses with the STS course prefix, offerings on the GER list include other interdisciplinary courses and courses from traditional departments in such areas as history of science and technology; technology in society and culture; philosophy of science; and science, technology, and public policy. For more information on the STS Program please visit our website at <http://www.ncsu.edu/chass/mds/psts.html>.

SKAT Awards

Rober K. Merton Professional Award

The winner of the Robert K. Merton Professional Award for 2004 is Lynn Eden for her book *Whole World on Fire: Organizations, Knowledge, & Nuclear Weapons Devastation*

The *Whole World on Fire* is an ambitious undertaking that examines a critical problem using theory and methods from two fields of sociology: the sociology of science and technology and the sociology of organizations. At one level, it is a study of how organizational processes led nuclear scientists to drastically underestimate the damage of a nuclear attack. At a deeper level, it is a study in the social construction of organizational knowledge.

The question Eden addresses is: How and why, for more than half a century, did the U.S. government fail to predict nuclear fire damage as it drew up plans to fight strategic nuclear war? Eden's research shows that U.S. efforts focused on the damage that would result from the explosion while systematically ignoring the far more damaging effects of subsequent fires. How and why could this "ignorance" continue until today?

Eden borrows Goffman's notion of "frames" often used in studies of social interaction and social movements to the study of how organizations formulate what constitutes scientific knowledge. She provides us with a sociological account of the sources of the "group think" that led to the focus on blast damage and not on fire damage.

This book takes a position on an ongoing scientific controversy about the predictability of fire damage and on scientists' current assessments of risk. There is a debate in science and technology studies about whether we should take positions on scientific controversies—that is, on the science itself. Some scholars prefer to leave arguments about the "science" to the scientists and instead follow the activities and political logics of the various debating parties. In this case,

Eden chooses to take a stand on the truth claims of the science in question. As such, the *Whole World on Fire* is a work of intellectual daring.

To our knowledge, there have been few sociological studies that have penetrated the inner workings of the military establishment. Few sociologists have studied the highest reaches of the social structure, as does Eden in this study. In fact, those of us who study science and medicine usually do our research in university-based laboratories or teaching hospitals—that is, we study people who are in some senses like ourselves.

While the book addresses a critical issue—that is, nuclear-weapons policy—it is an exemplar of how sociological concepts can illuminate important public issues. Eden's analysis can be readily applied to explaining how decision makers construct relevant and legitimate science to illuminate disasters such as the collapse of the Twin Towers. But what convinced one committee member of the book's power was a recent New York Times article describing the findings of the committee investigating the Iraq War. The Committee reported that the CIA had systematically denied the credibility of numerous reports that Iraq's weapons of mass destruction did not exist, in part because those reports were outside its organizational frame.

Finally, we all believe that this book will have a major public impact. In addition to its accessible style and meticulous research, the book is often riveting and sometimes chilling. We had thought that by now everyone believed that survivable nuclear war is an oxymoron; that people had filled in their bomb shelters long before the close of the Cold War. That a significant portion of the military establishment still believes that a limited, winnable and survivable nuclear war is possible gave us nightmares. That Eden's book may give people nightmares is only appropriate, given the frightening scenario she presents.

Robert K. Merton Professional Award Committee:

Renee Anspach, Sydney Halpern, Katherine Henderson, Joan Fujimura (Chair), Robert F. and Jean E. Holtz

Hacker-Mullins Award Best Graduate Student Paper

The Hacker-Mullins Award Committee has chosen "Can't Any Body Count? Counting as an Epistemic Theme in the History of Human Chromosomes," by Aryn Martin, Department of Science and Technology Studies, Cornell University, as the winner of the 2004 Hacker-Mullins Award for the best graduate student paper.

The paper richly re-reads a well-traveled history of chromosomes. From the 1920s to the 1950s, there were 48 chromosomes; in the 1950s, there were 46. Martin shows how and why the question of counting was closed, opened, and closed again. She tells the historical story by moving between the laboratories and the social and institutional milieux in which the laboratories were located and investigators counted chromosomes. She also tells a sociological story, by taking counting seriously and (as she puts it) by showing how preconceptions, embodied practice, observation, and publishing all counted in counting.

Martin's paper engages with the constructivist tradition in science studies, explicating how the work of counting produces well-bounded and discrete entities; and how counting is not simply a matter of preparing a field in which discrete objects appear and can be assigned whole numbers. The committee was impressed by the author's imaginative approach, her depth of insight, graceful and polished prose, attention to details, and the theoretical contribution to understanding the social construction of counting in natural as well as sociopolitical contexts.

Committee Susan Bell Kelly Joyce Susan Silbey

Employment Opportunities

University of Missouri-Columbia.

The Department of Sociology invites applications for a tenured associate professor position in the sociology of science beginning September 2005. Ph.D. in Sociology is required. Preference will be given to those who have an active program of research related to the life sciences, especially biotechnology issues. Submit a statement of research and teaching interests, a curriculum vitae, and writing samples to: Science Search, Department of Sociology, 312 Middlebush Hall, University of Missouri, Columbia, MO 65211-6100. Review of applications will begin October 15, 2004 and continue until the position is filled.

Northwestern University

announces the inception of The Northwestern Institute on Complex Systems (NICO). (see <http://ccl.northwestern.edu/nico>). NICO is currently offering highly competitive "Northwestern Institute Fellow" opportunities to young researchers who have interest in the study of complex systems and in interdisciplinary collaborations. Appointments will be from 1-3 years, with negotiable starting dates as early as Fall 2004. For confidential consideration, applicants should send a cover letter describing areas of interest, the unique contributions s/he can make to the institute, a complete CV and some names of NICO faculty whom they could work with. Applicants should arrange for 3 to 4 letters of recommendation to be sent independently. All information should be submitted by email to complexity-fellows@ccl.northwestern.edu.

Cornell University - The Department of Science & Technology Studies at Cornell University is seeking to fill a tenure-

track professorial position. The area of specialization within Science & Technology Studies is open. Candidates should submit: (a) a letter of application explaining the relation of their research and teaching interests to this position; (b) a curriculum vitae; (c) sample syllabi for undergraduate and graduate courses; (d) three letters of recommendation to be sent directly to the Department; and (e) a sample of written work, such as an article or chapter. Application materials should be submitted to Trevor Pinch, Chair, Department of Science & Technology Studies, 306 Rockefeller Hall, Cornell University, Ithaca, NY 14853. Applications will be reviewed beginning November 1, 2004 until the position is filled. For further information, please contact the Department at 607-255-6043, or tjp2@cornell.edu, or visit <http://www.sts.cornell.edu>.

Sonoma State University - The Department of Sociology invites applications for three tenure-track Assistant Professor positions to begin Fall 2005. The position (#102356) requires demonstrated competence in Sociological Theory, as well as expertise in one or more of the following areas: (1) race/diversities/ social inequalities, (2) sociology of social welfare/ social policy/medical sociology, (3) sociology of culture/ sociology of religion, (4) sociology of science and technology/sociology of the environment, (5) socialization/ families/ gender. Salary range: \$47,800- \$50,100. Ph.D. required by time of appointment. Review will be conducted for those applications sent by December 1, 2004. For complete application information, see www.sonoma.edu/facaffairs or <http://www.sonoma.edu/facaffairs>. For additional information, contact Myrna Goodman, myrna.goodman@sonoma.edu or <mailto:myrna.goodman@sonoma.edu>.

Institute for Advanced Studies on Science, Technology and Society

Fellowship program 2005/2006
The IAS-STS in Graz, Austria, promotes the interdisciplinary investigation of the links and interactions between science, technology, and society as well as research on the development and implementation of socially and environmentally sound technologies. For this the IAS-STS invites researchers to apply for a stay between 1 October 2005 and 30 June 2006. The fellowship program 2005/2006 is dedicated to projects investigating the following issues: 1. Gender – Technology – Environment 2. Ethical, Legal, and Social Aspects of Human Genetics and Biotechnology 3. Technology Studies and Sustainability. Applications must be submitted to the IAS-STS together with a research proposal by 15 January 2005. Prof. Arno Bammé, Director of the IAS-STS, decides on the awarding of fellowships and grants in consultation with the Scientific Advisory Board. For application forms and further information, please visit our website: www.sts.tugraz.at

School Of Information Sciences And Technology, The Pennsylvania State University, University Park Campus, Applications are invited for several full-time, tenure-track positions with an anticipated starting date of August 2005. Rank is open and will be determined on the basis of qualifications and experience. IST is an interdisciplinary school focused on research and education that emphasizes theoretical and applied perspectives of how information and communication technologies impact and are impacted by virtually any setting. Viable candidates will have a strong background and current research interests in one or more of the following areas: (1) *User Information Behavior*: human information searching, including but not limited to information architecture, information retrieval, information science, information visualization, informatics, knowledge management, and social informatics; (2) *Information Assurance and Security*,

Employment Opportunities Cont.

especially in: computer and network forensics, trust management, trustworthy computing, and security management (including the policy, legal, privacy, social and ethical aspects of security); (3) *Information Systems Integration*: organizational perspectives on information systems integration, including application integration, enterprise architecture, activity theory, process and work analysis, knowledge management, technology strategy, or technology transfer; (4) *Health Informatics*: electronic medical databases, medical imaging, mobile access to health information, digital divide/disparity issues around IT and health, organizational use of IT, patient health monitoring/maintenance; and (5) *Economics of Information*: information markets, valuation of information, the relationship between IT and economic development, economics of intellectual property and standards, and software engineering/ systems development economics. Screening of applicants will begin on December 1, 2004 and continue until the positions are filled. A complete application includes a cover letter stating your background and its fit for one of our areas of interest, curriculum vitae, one-page statements of professional interests and teaching philosophy and credentials, and a list of three references with contact information. Applications can be submitted through e-mail to recruit@ist.psu.edu or postal mail to: Chairperson, IST Faculty Search Committee School of Information Sciences and Technology 330J Information Sciences and Technology Building The Pennsylvania State University University Park, PA 16802

New York University - Assistant Professor/Faculty Fellow, Science Studies (NY, United States)
http://www2.h-net.msu.edu/jobs/display_job.php?jobID=27325

Fordham University - Assistant Professor, History of Technology (NY, United States)
http://www2.h-net.msu.edu/jobs/display_job.php?jobID=27377

Arizona State - The Consortium for Science, Policy, and Outcomes (CSPO) at Arizona State University (ASU) seeks to fill a new, tenure-track faculty position in the general field of science, technology, and society available for August 2005. This position will likely be filled at the Assistant Professor level, but we will also consider candidates recently promoted to Associate Professor. Qualified candidates will have Doctorate or equivalent in related area, and will have demonstrated research and teaching interests at the intersection of public policy, scientific and technological advance, and social impacts appropriate to rank; evidence of potential in both research and teaching appropriate to rank. Particular areas of specialization are open but could include emerging technologies (nanotechnology; genomics; robotics; etc.), biomedicine and health, social progress indicators, research policy, information technology, technology and development, globalization, etc. Disciplinary approaches are also open but could include political science, economics, anthropology, sociology, communication, history, law, and cultural studies. Experience with policy, public engagement, technology assessment, or other applied areas is a plus. Natural scientists with significant policy research experience will also be considered. Review of applications will begin November 19, 2004 (no electronic applications accepted), if not filled will continue every Friday thereafter until the search is closed. Submit: detailed letter of application stating qualifications, experience, research plans, and teaching interests; a complete, detailed curriculum vitae; and 3 letters of recommendation to David Guston, Chair, Search Committee, Consortium for Science, Policy and Outcomes, PO Box 874401, Arizona State University,

Tempe, AZ 85287-4401.
AA/EOE For more information about CSPO, go to www.cspo.org.

The University of Virginia seeks applicants for one or more graduate fellowships in the history of environment and technology. The fellowship covers a Ph.D. student's tuition and stipend for three academic years (subject to satisfactory progress) through a combination of grants and teaching assistantships. Further information about the program is at <http://www.sts.virginia.edu/news/chet-job>. Candidates should submit a standard application for the Ph.D. program in the Department of History (<http://www.virginia.edu/history/>) and specify an interest in this fellowship. Applications are due December 1, 2004. The fellowship is contingent on final approval of funding.

University of Florida - Tenure Track Position, History of Science -
http://www2.h-net.msu.edu/jobs/display_job.php?jobID=3D27104

Harvey Mudd College - Visiting Professor, Science, Technology, and Society http://www2.h-net.msu.edu/jobs/display_job.php?jobID=3D27164

Denison University - Department of Sociology/Anthropology invites applications for one tenure-track position at the Assistant Professor level, beginning August 2005. Ph.D. in Sociology by August 2005 is required; ability to teach within a merged sociology/anthropology curriculum and experience in a liberal arts setting are desirable. As one of three sociologists in a six-person department, candidates should have strengths in research methods and contemporary theory and should be qualified to teach quantitative data analysis. Candidates should show evidence of an active macro/comparative sociological research agenda and have interests in some combination of the following: organizations,

community and urban sociology, population/migration, environmental sociology, technology, or cross-national work in East Asian or European nations. Candidates should send a cover letter, c.v., and the names and addresses of three references to Mary Tuominen, Chair, Sociology/Anthropology, Denison University, Granville, OH 43023 by Wednesday, December 1, 2004. Inquiries can be sent to Mary Tuominen at tuominen@denison.edu

University of Oxford - James Martin Professorship of Technology and Social Change. Applications are invited for the above post in the James Martin Institute at the Saïd Business School with effect from as early a date as may be arranged. The person appointed will have an exceptional research record in the area of science and technology studies and policy with an emphasis on technology and society. The role of the James Martin Institute is to identify science and technology issues likely to play especially critical roles in shaping the future world of civilization and to initiate and conduct research directed at finding opportunities for humanity to shape a brighter future for itself and the natural environment on which it depends. Further particulars, including details of how to apply, are available from <http://www.admin.ox.ac.uk/fp/> or from the Registrar, University Offices, Wellington Square, Oxford OX1 2JD (Tel. Oxford (01865) 270200). The closing date is Monday 1 November 2004. James Martin Institute for Science and Civilization
Saïd Business School
University of Oxford
Park End Street
OXFORD OX1 1HP
www.martininstitute.ox.ac.uk

New Mexico Institute of Mining and Technology and the Humanities Department invites applications for a tenure-track assistant Professor in the History of science and technology to begin August 2005. The successful candidate will teach a

two-semester introductory survey of the history of science and technology and other courses in his/her areas of expertise. To receive full consideration, all application material must be received by November 15, 2004. Applicants should send a resume, curriculum vitae, transcripts, statement of teaching philosophy, and the names, email addresses and phone numbers of three employment references to: New Mexico Institute of Mining and Technology, 801 Leroy Pl., Human Resources Wells Hall Box 112H, Socorro, NM 87801. For information about New Mexico Tech, visit our web page <http://www.nmt.edu/>. E-mail applications NOT accepted.

University of Toronto - Applications are invited for a tenure-stream position at the rank of Assistant or Associate Professor in the Institute for the History and Philosophy of Science and Technology at the University of Toronto. History of physics and related sciences. Familiarity with the interplay between philosophy of science and history of science will be considered an asset. The successful candidate must be outstanding at teaching and research, and will be expected to make a significant contribution to the quality and status of the Institute. The expected starting date for the position is July 1, 2005. Candidates should arrange for their CV, a writing sample, teaching materials, and at least three letters of reference to be sent to Professor Paul Thompson, Director, Institute for the History and Philosophy of Science and Technology. University of Toronto, 91 Charles St. West, Room 316, Toronto, Ontario, Canada M5S 1K7. To ensure full consideration, applications should be received by November 15, 2004.

Lehigh University's year-old Environmental Initiative seeks an Assistant Professor for a tenure-track position beginning fall semester 2005. The successful candidate will teach courses in both the BA in Environmental Studies and MA in

Environmental Policy programs offered through the Initiative. This position will be a joint appointment within the Environmental Initiative (EI) and the Political Science Department. To apply, please send a cover letter, current curriculum vitae, syllabi and other evidence of teaching style and effectiveness, a statement of teaching philosophy, a sample of scholarship (if available), and three letters of reference to: Laura Katz Olson, Chair, Search Committee; Lehigh University; Political Science Department; 9 West Packer Ave.; Bethlehem, PA 18015. Review of applications will begin December 1, 2004 and continue until the position is filled. Further information about Lehigh's Environmental Initiative can be found at:

<http://www.ei.lehigh.edu>

University of California - Davis - Director of Science and Technology Studies http://www2.h-net.msu.edu/jobs/display_job.php?jobID=26747

Haverford College - Assistant Professor with a specialization in the History of Science. http://www2.h-net.msu.edu/jobs/display_job.php?jobID=26760

California State University - Fullerton - Assistant Professor History of Science & Modern Science http://www2.h-net.msu.edu/jobs/display_job.php?jobID=26557

McMaster University - Assistant Professor in the History of Science and Technology http://www2.h-net.msu.edu/jobs/display_job.php?jobID=26571

Publishing and Conference Opportunities

Publishing

Call for Papers for a special issue on "**Technology within Society.**" Deadline February 15th, 2005. The *Journal of Technology Studies* announces a call for submissions for a special issue on "Technology within Society." This special issue, which will appear in both online and print formats, will focus broadly on the sociopolitical dimensions of technology and decision making about technology within society. It will explore technology's intersections with social, political, economic, religious, engineering, and other domains. Articles can be: 1) case studies of decision making about particular technologies, their use, and regulation, 2) one or more overviews of particular features of technology within society, 3) a description of some key literature in the field of science and technology studies and why these contributions were/are important, 4) summaries of programs, forums, publications in this field, 5) reflections about teaching students about these particular dimensions of technology. E-mail submissions should be sent to the Special Issue Editor, Dr. Franz Foltz, at fafgsh@rit.edu. Paper submissions should be mailed to: Franz Foltz, College of Liberal Arts/RIT, 92 Lomb Memorial Drive, Rochester, NY 14623-5604.

Bioethics announces a special issue on 'Ethical Issues in Infectious Disease' in 2005. We invite submissions on all aspects of this general topic. Issues of particular interest include, but are not limited to: Drug distribution and resistance, Social, political, and economic causes and consequences of infectious disease, "The duty to treat," Distribution of medical and bioethics research resources, History of ethical analysis of

infectious disease control, Panic, prejudice, and perceptions of pestilence. Public health policy matters, such as: Travel restrictions, Isolation/quarantine, Notification/reportability, Compulsory vaccination/testing/treatment, Protection of individuals vs. society, Bioterrorism preparedness, Globalization and the health care situation in developing countries. Submissions should use endnotes conforming to the Bioethics style as given on the web page www.blackwellpublishers.co.uk/journals/bioethics. We discourage papers of more than 5,000 words. Submission deadline: 1 January 2005; by email (preferably) to the managing editor at biomanag@health.wits.ac.za. Authors should also send ONE hard copy (by airmail), also to arrive by 1 January, to Romi Fuller, Managing Editor Bioethics, Faculty of Health Sciences, University of Witwatersrand, 7 York Road, Parktown, Johannesburg 2193, South Africa. Tel +27 11 717 2719, Fax +27 11 643 1264.

Conferences

International and Interdisciplinary Conference of the Association of Internet Researchers, Chicago, Illinois, USA, October 5 - 9, 2005, Deadline for submissions: February 1, 2005. If you have questions about the conference, program, or AoIR, please contact the following people. Please use a subject line that clearly distinguishes your message from spam! Contacts: Program Chair Caroline Haythornthwaite haythorn@uiuc.edu for inquiries on conference content (paper submissions, reviewing, and paper organization); Conference Site Coordinator Steve Jones sjones@uic.edu for inquiries on meeting rooms, audiovisual equipment, and conference site; AoIR President Nancy Baym, nbaym@ku.edu for inquiries regarding the Association of Internet Researchers and sponsorship. Association Website: <http://www.aoir.org>

"Nano Before There Was Nano:

Historical Perspectives on the Constituent Communities of Nanotechnology" 2005 Cain Conference, The Chemical Heritage Foundation will host the 2005 Cain Conference on March 18-19, 2005 to begin piecing together these disjointed histories, mimicking nanotechnology's own piecing together of its constituent communities. Scholars in the history, sociology, and anthropology of any of the fields that are being incorporated into nanotechnology are invited to submit abstracts (350 words or less) for a 20-30 minute presentation. Abstracts are due by December 1, 2004. For more information, or to submit an abstract, contact: Cyrus Mody, cmody@chemheritage.org, Cain Fellow
Chemical Heritage Foundation
315 Chestnut Street
Philadelphia, PA 19106
Phone: (215) 925-2178, ext 479
Fax: (215) 925-6195
Please visit our new Web site: www.chemheritage.org

1st International Conference on e-Social Science, University of Manchester, UK 22nd – 24th June 2005
Website-
http://www.ncess.ac.uk/conference_05.htm

The initial announcement has been placed on our website with the Call for papers to follow shortly.

Action in Language, Organizations and Information Systems The 3rd International Conference (ALOIS*2005), 15-16 March 2005, Limerick, Ireland.

Building on the two successful ALOIS conferences in 2003 and 2004 we now arrange the 3rd International ALOIS Conference. The purpose of ALOIS*2005 is to bring together researchers and practitioners with an interest in action-theoretic approaches for understanding information and communication technologies and their relations to work organizations. Deadline for submission of full papers is 14 Nov 2004. See the conference website for further details,

Conferences Cont.

<http://www.alois2005.ul.ie/>

2005 Annual Meetings of the Midwest Sociological Society

"Internet Politics: Political Awareness, Participation, and Activities" and "Computing and Information Technologies: Changing Identities, Interactions, Inequalities, and Institutions." The meetings will be March 31 to April 3 in Minneapolis, Minnesota. Presenters from outside the discipline, as well as, graduate students are encouraged to participate. If you are interested, please send me an abstract or rough draft by October 30.

More information about the meetings may obtained at the Society's website: <http://www.themss.org/>

2005 ASA Section for Communication and Information Technologies

"Hansel's Pebbles: Theory as Wayfinding in Communication and Information Technology Research." This is an open session. It will highlight the importance of sociological theory in exemplary, path-breaking scholarship on communication and information technology, especially focusing on general-level social theories or theories from other substantive areas of sociological research. Papers that 1) demonstrate the importance of a strong theoretical agenda in defining a research problem and/or 2) provide rich, high-level theoretical insights of interest and importance to the discipline in general are very welcome. Like the fairy tale hero's pebbles (not the makeshift breadcrumbs that get him into trouble later on) this session will explore the following proposition: a clever and robust use of theory not only provides the conditions for autonomy, leadership, and emotional comfort during our journeys into the forest of CIT behaviors, but it also leads us out again, providing a triumphant and sometimes surprising return to our disciplinary home. Please send submissions to the ASA by January 15, 2005 following the ASA online

submission process.

International Sociological Association Rc24 Environment and Society Interim Conference:

Technonatures III, Environments, Technologies, Spaces and Places in the Twenty First Century, 37th World Congress of the International Institute of Sociology, Stockholm, Sweden July 6th -9th 2005. In this meeting we would like to draw environmental sociology into conversation with urban political ecology, STS, environmental geography/anthropology, advocates of cyborg studies/ANT, and the new political economy of networks, flows, and mobilities. We are interested in hearing from colleagues who could present papers in the following areas: Theme I : Technonatural Political Economies and Political Ecologies, Theme II : Technonatural Bodies, Subjectivities, and Cultures. Theme III : Technonatural Urban Worlds/ Sustainable Urban Futures? Theme IV: Environmental Politics in Technonatural Times: Exhaustion or Renewal? One-page abstracts should be sent to whitedf@jmu.edu and c.wilbert@apu.ac.uk by November 30, 2004. Deadline to send full paper: May 1st 2005.

Interfaces between Risk, Regulation, and Culture:

Exploring National Variation in Waste Management, Food Safety Regulation, and the Control of Biotechnology. <http://www.uni-bielefeld.de/iwt/gk/interfaces/> Workshop organized by the Graduate Program "Entering the Knowledge Society," the Institute for Science and Technology Studies, and International Graduate school in Sociology, Bielefeld University, Bielefeld (Germany) 27/28 January, 2005

Workshop on the Biotech Age

http://www.mpi-fg-koeln.mpg.de/sstnet/news.html#Biotech_Age SSTNET Instituto Superior de Ciências do Trabalho e da Empresa Lisbon (Portugal) 28/29 January, 2005 Submission Deadline: 30 September, 2004

Advancing Science and Society Interactions

<http://www.cienciaysociedadsevilla.org/ingles/index.html> Living Knowledge: The International Science Shop Network University of Seville, Seville(Spain) 3-5 February, 2005 Submission Deadline: 15 Oct,2004

STS for All: Interdisciplinary Challenges for Stewardship of Planet Earth

<http://www.nasts.org/conference.htm> 20th Annual Meeting and Conference International Association for Science, Technology, and Society Holiday Inn, Inner Harbor, Baltimore (USA) 10-12 February, 2005 Early Registration: 15 Jan, 2005

Nanotechnology: Ethical and Legal Issues

A conference at the University of South Carolina (USA) 3-5 March 2005 Submission Deadline: 1 Dec, 2004 Topics include human-machine interfaces; international/developing world needs; tech transfer; military uses of nano; nanomedicine; nano-enabled human enhancements; and other topics. For more info, or to submit an abstract, contact George Khushf, KHUSHFG@GWM.SC.EDU

Mephistos 2005

<http://www.brown.edu/Students/Mephistos/> Graduate student conference in the History, Philosophy, and Sociology of Science, Technology and Medicine. Brown University, Providence, Rhode Island (USA) 5/6 March, 2005 Submission Deadline: 1 Dec, 2004

STS (R)evolutions

<http://www.vtc.edu/dept/sts/> Dept. of Science & Technology Studies, Virginia Tech Blacksburg, Virginia (USA) 17-20 March, 2005 Submission Deadline: 15 Nov,

Fellowships

Conferences Cont.

2004

Rethinking Inequalities and Differences in Medicine

Jointly sponsored by the Robert Penn Warren Center for the Humanities and the Center for Medicine, Health, and Society at Vanderbilt University
Vanderbilt University, Nashville, Tennessee (USA)
29 April–1 May, 2005
Submission Deadline: 1 Nov, 2004

Imaging Nanospace

<http://www.ifs.tu-darmstadt.de/phil/NanoSpace/Home/home.html>

Exhibition and Workshop
Center for Interdisciplinary Research
University of Bielefeld (Germany)
11-14 May, 2005
Submission Deadline: 1 Dec, 2004

Triple Helix 5

<http://www.triplehelix5.com/>
Capitalization of Knowledge:
Cognitive, Economic, Social, and Cultural Aspects
Turin-Milan, Italy
18-21 May, 2005
Submission Deadline: 15 Oct, 2004

IAMOT 2005

<http://www.iamot.org/>
14th International Conference on the Management of Technology
Vienna, Austria
22-26 May, 2005

Technology, Media, and Culture in the Space Between 1914-1945

<http://www.precursors.org/home.htm>
7th Annual Conference of The Space Between: Literature and Culture 1914-1945 at McGill University
Montreal, Quebec (Canada)
27-29 May, 2005.
Submission Deadline: 15 Jan, 2005

Engineering Ethics

Co-hosted by Loyola Marymount University and Gonzaga University
Los Angeles, California (USA)
9/10 June, 2005

Submission Deadline: 1 Dec, 2004
Industrial Organization and Innovation

http://www.grenoble.inra.fr/Docs/call_for_papers.pdf

Grenoble Applied Economic Laboratory
Grenoble (France)
20/21 June, 2005
Submission Deadline: 15 Jan, 2005

Environment, Knowledge, and Democracy

<http://www.sls.wau.nl/enp/esn/news.html#sect1>

Sponsored by the RC24 (Environment and Society Research Committee of the International Sociological Association) and organized by the University of the Mediterranean, Department of Human Sciences, DESMID-UMR Espace and the SHADYC (EHES-CNRS).

Marseille (France)
6/7 July, 2005
Submission Deadline: 31 Dec, 2004

The International Conference on Humanities Computing and Digital Scholarship

<http://web.uvic.ca/hrd/achallc2005/>
17th Joint International Conference of the Association for Computers and the Humanities (ACH) and the Association for Literary and Linguistic Computing (ALLC)
University of Victoria, (British Columbia), Canada
15-18 June, 2005
Submission Deadline: 8 Nov, 2004

Society for Philosophy and Technology 14th Annual Meeting

<http://www.sptdelft2005.tbm.tudelft.nl/>

Theme: Technology & Designing
Delft University of Technology
Delft, The Netherlands
20-22 July, 2005
Submission Deadline: 30 Nov, 2004

The 22nd International Congress of History of Science

<http://2005bj.ihns.ac.cn/>
Beijing International Convention Center, Beijing (China)

Chemical Heritage Foundation Beckman Center For The History Of Chemistry 2005 Summer Fellowships.

Deadline: February 15, 2005 Send applications to: Fellowship Coordinator, Chemical Heritage Foundation, 315 Chestnut Street, Philadelphia, PA 19106-2702 Ph: 215 925 2222 Fax: 215 925 1954 Email: fellowships@chemheritage.org

Roy G. Neville Fellowship (2): The Roy G. Neville Fellowship is open to historians of science, technology, and allied fields, as well as to historians of the book and of print culture, bibliographers, and librarians, who will make use of the Roy G. Neville Historical Chemical Library. Ph.D., Ph.D. candidates, or equivalent preferred but not required. Stipend: \$6,000. Two Fellowships offered.

Société de Chimie Industrielle (American Section) Fellowship: The Société Fellowship is designed to stimulate public understanding of the chemical industries. Applications are encouraged from writers, journalists, educators, and historians of science, technology, or business. The fellow will spend three months in residence at CHF during the summer of 2005. Stipend: \$13,000.

Glenn E. and Barbara Hodsdon Ulliot Scholarship: The Ulliot Scholarship sponsors historical research that promotes public understanding of the chemical sciences. Applications are invited from scholars, graduate students, science writers, and journalists. Stipend: \$4,600.

Gordon Cain Fellowship: The Cain Fellowship is open to Ph.D. scholars who plan to conduct historical research on the development of the chemical industries. The outcome of this research should further public understanding of the relationship between technology, policy, management, and entrepreneurship and shed light on the complex development of modern society and commerce. Stipend: \$43,000.

John C. Haas Fellowship (2): The

Haas Fellowship is open to Ph.D. scholars whose projects will enhance public understanding of the chemical industries in relation to societal, environmental, health, and safety issues. Stipend: \$38,000. Two Fellowships offered.

Charles C. Price Fellowship: The Price Fellowship is open to scholars pursuing research on the history of the chemical sciences and technologies. Preference is given to applicants with projects on the history of polymers. Stipend: \$20,000.

Washington University: Andrew W. Mellon Foundation Postdoctoral Fellowship The Postdoctoral Fellows receive two-year appointments with stipends; for the 2005-06 academic year the annual stipend will be \$39,500. Fellows will outline a plan for their own continuing research to be pursued with a senior faculty mentor from Washington University. Over the course of their two-year appointment, fellows will teach three undergraduate courses and collaborate during a spring term in leading a seminar in the theory and methods of interdisciplinary research. There is no application form; applicants should submit a cover letter, a description of their research program (no more than three single-spaced pages), a brief proposal for the seminar in theory and methods, a curriculum vitae, and three letters of recommendation. All materials must be submitted in paper copy. Submit materials by November 1, 2004, to Steven Zwicker, Department of English Washington University Campus Box 1122 One Brookings Drive St. Louis, MO 63130
314-935-5190 For more info, see <http://www.artsci.wustl.edu/~szwicker/mellonpostdoc/>

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Newsletter

Please send announcements and news to either editor. Contribute electronically, by regular post, or fax. Deadlines are:

- * Summer edition - May 15
- * Fall/Winter Edition - October 15
- * Spring edition - February 15

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