

Department of Science & Technology Studies Newsletter

Ph.D. Program
Biology & Society/S&TS Undergraduate Majors

LETTER FROM THE CHAIR

By Trevor Pinch
Chair of the Department



This year, the Department of Science & Technology Studies is celebrating its 15th year as a department in the College of Arts and Sciences. When we started the new department with its own graduate program in 1991, one of the questions we had was whether our graduates would find jobs. We knew S&TS as an emerging discipline would not itself be able to provide enough openings, but we also expected that traditional disciplines would see the benefits of hiring S&TS trained graduates. I am happy to report that nearly all our students who are seeking academic jobs are finding them. Recent graduates to obtain tenure track positions are Jenny Reardon (Santa Cruz), Shobita Parthasarathy (University of Michigan), Jamey Wetmore (University of Arizona), Aryn Martin (York University in Toronto), Naubahar Sharif (Hong Kong University of Science and Technology), and Heidi Voskuhl (who is currently hosting offers from Harvard University and the University of Oklahoma). Further testimony to the success that training in S&TS brings for a long-term academic career is that our ex-graduates are now starting to get tenure. We congratulate Simon Cole (University of California/Irvine), Rayvon Fouché (Rensselaer Polytechnic Institute), Wil-

liam Lynch (Wayne State University), Kavita Phillip (University of California/Irvine) and Pablo Boczkowski (Northwestern University) on their recent promotions to associate professorships.

The success of our graduate students confirms what we have always known – that S&TS as a field continues to deal with some of the most salient issues in the contemporary world. The field of bioethics is a good example. One of our most important undergraduate courses in preparing students for the Biology & Society and S&TS majors is Biomedical Ethics. The current undergraduates are playing a leading role here across the Cornell campus. They are not only active participants in the Bioethics Society, hosting and arranging notable lectures and workshops on campus, but they also have started to publish their own journal, *The Triple Helix: The Journal of Science, Society and Law at Cornell*. This new journal, edited by Kevin Hwang, is distributed nationally and is now in its second volume. The students have been helped and advised by Professor Michael Lynch, who also edits the leading S&TS journal in the world, *Social Studies of Science*.

There is no shortage of issues in bioethics. One of the biggest debates on campus recently has concerned the challenge to the teaching of Darwinian evolution posed by "intelligent design" (ID). S&TS faculty and students have played an important role in this debate, giving lectures, writing editorials and op-ed. pieces and meeting with concerned scientists. As a department we welcomed the lead Cornell's Interim President, Hunter Rawlings, has taken in intervening in the debate firmly on the side of

Darwinian evolution. There is no doubt that positions such as "teach the controversy" pose a challenge to a scholarly area like S&TS where studying scientific controversies is one of our standard methodological probes. While there is no consensus in the field as a whole as to the implications of the ID debate, several of us support the position statement which S&TS Mellon Postdoctoral Fellow in the history of science Kevin Lambert has set out – which we reprint elsewhere in this newsletter.

At fifteen years old teenage tantrums can set in, but luckily thus far we have avoided them. The age profile of our faculty is getting younger, and I am happy also to report a small social success which a new faculty member, Suman Seth, has initiated. Many years ago, on returning to Cornell from Cambridge and having fallen under the spell of Cambridge College life, I became convinced that our department needed a time when we could all sit and talk socially. I tried in vain to instigate this (just as I tried and failed earlier with afternoon tea – but that is another story). Suman has brought it off and every Friday afternoon at five o'clock we meet at the Statler. It is my favorite e-mail of the week when he reminds us about it. We invite old friends, former students, post docs and faculty and indeed anyone interested in our department to join us. If you ever happen to be in Ithaca on a Friday afternoon and are wondering what to do and where to catch up on the latest happenings in S&TS, please come to the Terrace at the Statler!

FACULTY ACTIVITIES

Kathy Berggren was elected to the Association for Women in Communication (AWC) National Board of Directors and serves as student chapter liaison to the organization at the national level.

NOTE: Faculty below may be members of the Department of Science & Technology Studies or members of other departments elected to the Department's undergraduate major, Biology & Society.

ELIZABETH ADKINS-REGAN's (Psychology and Neurobiology and Behavior) book, Hormones and Animal Social Behavior, was published in 2005 by Princeton University Press as part of its *Monographs in Behavior and Ecology* series. She is a member of the Evolving Family project team, the first theme project of Cornell's Institute for the Social Sciences. In connection with the project, she co-organized an interdisciplinary workshop in the fall ("The Biology of Families: From Ecology to Endocrinology"). She also participated in a workshop (sponsored by NSF) on social systems of rodents that brought together field researchers and neuroscientists, and in an E-Bird workshop (sponsored by NSF/ESF/NSERC) on maternal effects in birds that brought together avian ecologists and endocrinologists.

KATHY BERGGREN (Communication) taught

three/four sections of Communication 201: Oral Communication and Communication 398: Issues in Teaching about Communication each semester. This past July, she was invited as one of the top 20 oral communication instructors in the nation to a "Meeting of the Minds" in San Francisco, CA. She was also a primary organizer of the October Northeast Regional Teaching Workshop here at Cornell. Berggren was elected to the Association for Women in Communication (AWC) National Board of Directors and serves as student chapter liaison to the organization at the national level. Her role as leader of the national AWC student advisory board makes Cornell visible to the national mission. Berggren was voted Faculty Advisor of the Year in 2004, and her student received the Rising Star award. The Cornell chapter continues to win numerous chapter awards. On the department level, AWC provides career networking, internship possibilities, professional workshops (resume, internships, cover letters,

leadership, etc), and colleague support for the members. It also aims to connect with other women's groups and programs across campus and professionally throughout the nation. In addition, she serves as advisor to HALO, Help A Life Organization. HALO is a nonprofit, nonpartisan organization that seeks to help communities improve care for their children and infants by donating medical equipment and other critical material needs through student leadership, innovation, and volunteerism. Berggren's promotion to Senior Lecturer last year was exciting and rewarding.

PETER DEAR (S&TS and History) is now the President Andrew D. White Professor of the History of Science. His book, The Intelligibility of Nature: How Science Makes Sense of the World will soon appear from the University of Chicago Press. In October he was the guest at a two-day Autorenseminar on his work, organized by Professor Moritz Eppele at the Johann-Friedrich-Goethe University, Frankfurt, Germany.

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Peter Dear is now the President Andrew D. White Professor of the History of Science.

POSTDOCTORAL ASSOCIATES AND VISITORS

SHEILA DEAN (Visiting Scholar) took part in a panel titled "Where do we go from here? What is the future of Darwinism in American society?" on February 9 at the Museum of the Earth for Darwin Day weekend. She also had an article in the November 2005 edition of *Natural History* (Darwin related), and

gave a paper at the History of Science Society annual meeting in November on her own research (apart from the Darwin project). Her work for volume 15 of *The Correspondence of Charles Darwin* covering the year 1867 has been published. She also spent three weeks in Cambridge, England last summer

(as usual) with the Darwin Project.

CHLOE SILVERMAN (Mellon Postdoctoral Fellow) has spent the past year revising her manuscript on patient activism and autism research, Autism, Love and Labor. She spent part of the past summer in London as a

visitor in the BIOS program at the London School of Economics. While there she conducted interviews with cognitive psychologists in the London and Cambridge areas and gave a talk on cognitive psychology, autism, and spectrum models of neurodevelopmental disorders. In the

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FACULTY ACTIVITIES (continued)

CHARLES GEISLER (Development Sociology) has been teaching Cornell's course on *Global Conflict and Terrorism* this semester. Because of his research interests in the environmental impacts of warfare, he has devoted a third of the course to a similar topic -- bioterrorism, broadly construed. That is, bioterrorism is about attacks on civilian water systems and agricultural crops. But it is also about attacks on more generalized life-support systems and the attacks may assume many forms, including deliberate negligence of or indifference to ecosystems that generate environmental services and benefits society takes for granted until they collapse. Students and faculty intrigued by this expanded sense of "terrorism" are encouraged to contact Professor Geisler.

LAURA HARRINGTON (Entomology) is a member of a global team of scientists that has been offered a \$19.7 million grant from the Foundation for the National Institutes of Health. The grant is part of the Grand Challenges in Global Health initiative launched by the Bill & Melinda Gates Foundation in 2003 in partnership with the NIH. The team is working on devising and deploying novel genetic strategies to control the *Aedes aegypti* mosquito, which transmits dengue fever. Dengue fever is a disease that targets people in the tropics in developing nations. The goal of the project is to render the mosquito incapable of transmitting the disease.

STEPHEN HILGARTNER (S&TS) was on study leave in Fall 2005. He visited several centers on genomics and society in the U.K. and Canada, and gave talks at the University of Exeter in England and the University of

British Columbia. In the fall, he also wrapped up an NSF-funded project to create a special archival collection on the technological aspects of the dispute over the Florida vote in the 2000 presidential election. (See http://www.sts.cornell.edu/voting_technology_archive/). Professor Michael Lynch, graduate student Carin Berkowitz, and Hilgartner also created a multimedia exhibit on "Voting Machinery, Counting, and Public Proofs" in the 2000 election that was displayed in Germany. His recent publications include a book chapter on voting machinery and counting, co-authored with Lynch and Berkowitz, and a co-authored paper in *Academic Medicine* (2006) on data withholding in genetics and other life sciences.

Stephen Hilgartner, Michael Lynch, and Carin Berkowitz created an exhibit on the 2000 election that was displayed in Germany.

Laura Harrington is a member of a global team of scientists that has been offered a \$19.7 million grant from the Foundation for the National Institutes of Health

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POSTDOCTORAL ASSOCIATES AND VISITORS (from page 2)

fall, she taught Life Sciences & Society, and is currently teaching a Senior Seminar on autism and cognitive disabilities. She is especially excited about the guest speakers coming to her seminar this term, including Temple Grandin, a noted speaker on both livestock handling facility design and autism; Jim Sinclair, an internationally-known activist in the autism self-advocacy movement; and Martha Herbert and Matthew Belmonte, both of whom have carried out exciting neuroimaging research. Silverman will be speaking to the Cornell Bioethics Society on mental illness and bioethics on April 3.

JAMES MORTON TURNER (Visiting Assistant Professor) focuses on the intersection of environmental science, politics, and policy. He is trained in history of science and has especially enjoyed being a part of the broader conversations about the role of science and technology in society that take place at Cornell. This fall Turner taught one course on U.S. environmental policy and another on climate change and is currently teaching environmental ethics and comparative environmental history. He has recently finished revisions on a paper on the role of conservation biology

which is in press at the journal, *Conservation Biology*. Turner is also completing revisions on his dissertation, "The Promise of Wilderness: A History of American Environmental Politics, 1964-1994" to be published by the University of Washington Press in their Weyerhaeuser Environmental History Series. These latter two projects both focus on the increasingly prominent and contentious role that the science of conservation biology has played in environmental advocacy and policy at the national level.

James Morton Turner's dissertation, The Promise of Wilderness, will be published as part of the University of Washington Press' Weyerhaeuser Environmental History Series.

FACULTY ACTIVITIES (from page 3)

KENNETH A. R. KENNEDY (Ecology & Evolutionary Biology) was named *Professor Emeritus* last July. Also in 2005, Kennedy was appointed Member of the Editorial Board of the new journal from India, *Journal of Interdisciplinary Studies in History and Archaeology*, Allahabad, India: Centre of Advanced Studies. He was a 2006 program participant at the annual meeting of the American Academy of Forensic Sciences, Seattle, WA, and gave a paper titled, "Traumatic modifications in human remains of victims of mass disasters and long-term abuse," which was published in *Abstracts of the American Academy of Forensic Sciences*, 2006, page 304. His article, "Archaeological and anthropological research in South Asia," was recently published in *Man and Environment*, 2005, 30: 36-41. This semester he is teaching a new course, Human Palaeontology.

CHRISTINE LEUENBERGER's (S&TS) recent publications include a translation and introduction to Erving Goffman's work in German: Erving Goffman. Rede-Weisen: Formen der Kommunikation in sozialen; an article in *Social Problems*, "Constructions of the Berlin Wall: How Material Culture is used in Psychological Theory" (53/1. February 2006: 18-37); and a book review of Asfa-Wossen Assef's Ma-nieren (Eichborn, 2003) for H-Net (Feb.12, 2006). Works forthcoming include a special issue of *Osiris: The Self as Political and Scientific Project in the 20th Century: The Human Sciences between Utopia and Reform* (co-edited with Greg Eghigian and Andreas Killan). This will include a co-edited introduction and a single-authored article. A book review of Rickel Laurence's Nazi Psychoanalysis is forthcoming in *Metascience*. Current research projects include "From the Berlin Wall to the Israeli-Palestinian Barrier and the Korea's DMZ: How Psychological Theories make Sense of Political Barriers." Leuenberger

taught several courses this year and gave invited lectures including a talk at Ithaca High School on "The Culture of Fear" (March 29, 2005); and a conference presentation at *Studying Everyday Life 2006: Symbolic Interaction & Ethnographic Research Conference*, "Constructions of the Berlin Wall: How Material Culture is used in Psychological Theory" (Niagara Falls, Canada, May 16-18, 2006).

BRUCE LEWENSTEIN (S&TS/Communication) spent much of the Fall semester consumed by a distance learning course on science communication. He delivered lectures in Ithaca, while students in Pretoria (South Africa) and Rio de Janeiro (Brazil) watched and asked questions via videoconferences. Interaction among students at the three sites led to increased understanding of the cultural dimensions of science and science communication. In the Spring 2006 semester, he is teaching the second course in the "Emerging Technologies" focus area developed with NSF support. Last year, Professor Stephen Hilgartner and Lewenstein taught "Social Study of

Emerging Technologies." This year, Lewenstein is teaching "Archiving of Contemporary Science and Technology," drawing on the cold fusion, use of DNA in the courtroom, Y2K, and voting technology archives that the S&TS Department has developed since its founding in 1991.

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Christine Leuenberger's current research projects include "From the Berlin Wall to the Israeli-Palestinian Barrier and the Korea's DMZ: How Psychological Theories make Sense of Political Barriers."

NEW GRADUATE STUDENTS

The Department is pleased to welcome our newly-admitted graduate students:

RACHEL COVAULT received her BA in Physics from the University of Minnesota. Her research involves: the relationship between the media's portrayal of science and the amount of trust the public puts in science. Covault is currently supported by the Emerging Technologies Training Grant.

VICTOR MARQUEZ received his MA in Architecture from the University of Pennsylvania. His research interests include the complexity of the technological transfer phenomenon.

HANS MEYER attended the University of Pennsylvania for an MS in Geography. He is interested in the geometries of institutional practice, those that form and transform cultural landscapes through new technologies, scientific rhetoric, and information dissemination.

HANNAH ROGERS received the BA degree in English from Duke University. Her interests are the rise of science, its delivery methods and their integration into other subjects, and the policy out-comes and personal life effects of scientific knowledge being set on a pedestal.

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FACULTY ACTIVITIES (continued from page 4)

MICHAEL LYNCH (S&TS) finished drafting a book manuscript (with Simon Cole, Ruth McNally & Kathleen Jordan) tentatively titled, Truth Machine: The Contentious History of DNA Fingerprinting. The University of Chicago Press will review the book early in 2006 for possible publication in 2007. The manuscript covers a 20-year period starting in 1985 when DNA testing was first developed for criminal investigation, and continuing through some contentious battles in the courts to the eventual closure of controversy about the new techniques. The book then follows the "post-closure" period in which DNA evidence – now the "gold standard" of forensic science – is used to question the results of all other types of evidence, including fingerprinting. Lynch and Cole published an article in *Social Studies of Science* (Vol. 35, No. 2, April 2005) that examined Cole's testimony as an expert witness in a case involving

fingerprint evidence. They also completed a chapter for a handbook on law and social science that discusses how the development of large DNA databases have changed methods for searching for and identifying criminal suspects. Lynch also worked with Stephen Hilgartner and Carin Berkowitz to put together an exhibit of media coverage of the closely contested 2000 US presidential election for the Center for Art and Media (ZKM) in Karlsruhe, Germany. The exhibit ran from 20 March to 7 August 2005 (see the catalog copy, pp. 814-25 in Bruno Latour & Peter Wiebel (eds.), Making Things Public: Atmospheres of Democracy (MIT Press, 2005). During 2005, Lynch gave presentations of his work on DNA evidence at colloquia and seminars at Harvard University, Univer-

Wesleyan University, University of Oxford, and University of Manchester. He had the pleasure of participating in ceremonies in the Netherlands celebrating the 2005 Erasmus Prize given to historians of science, Steven Shapin and Simon Schaffer. He also presented a talk, "What was the point of laboratory studies?" in a special Presidential Plenary session at the 2005 Society for Social Studies of Science meeting in Pasadena. Lynch completed a two-year term as Chair of the Science, Knowledge and Technology Section of the American Sociological Association, which held its 100th Anniversary Meeting in Philadelphia during mid-August. He continued as editor of the journal, *Social Studies of Science*.

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Michael Lynch's manuscript covers a 20-year period starting in 1985 when DNA testing was first developed for criminal investigation

NEW GRADUATE STUDENTS (from page 4)

HONG-HONG TINN attended National Taiwan University for an MA in Journalism. Interests are analysis on gender and technology, information technology and its diverse groups of users.

KATHRYN VIGNONE received a BA in Interdisciplinary Studies from the University of South Carolina. She is interested in doing research in the societal implications of images in nanoscience and technology as rooted in a practical understanding of and aptitude for laboratory science, in particular electron microscopy. Vignone is currently supported under the Emerging Technologies Training Grant.

David Caruso's work utilizes the interaction of the American military and medicine during WW I to investigate how knowledge is produced in an inter-institutional setting

CONTINUING GRADUATE STUDENTS

CARIN BERKOWITZ has been carrying out preliminary dissertation research in Ithaca on early 19th-century French and British physiology. She delivered presentations on that work at the History of Science Society and 4S meetings and in an SSRG before the department.

DAVID CARUSO just returned from a semester of research in Washington, DC sponsored by the National Science Foundation and will be putting his Peace Studies Program fellowship to good use while in Ithaca during the spring semester.

His presentations at the History of Science Society and the Society for Social Studies of Science were both well received and provided feedback that he will use in his dissertation. His work utilizes the interaction of the American military and medicine during World War I as a lens to investigate the broader question of how knowledge is produced in an inter-institutional setting.

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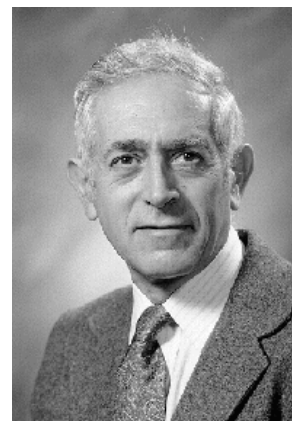
FACULTY ACTIVITIES (continued from page 5)

DAVID PIMENTEL (Entomology) published 12 scientific papers in 2005 including an environmental, energetic, and economic comparison of organic and conventional farming (joint research with Rodale Institute) published in *Bioscience* and an energy analysis of ethanol production using corn, switchgrass, and wood, as well as biodiesel production using soybean and sunflower (with Tad Patzek of the University of California at Berkeley), which was published in *Natural Resources Research*. The latter paper has been quoted by Kevin A. Hassett, Director of Economic Policy Studies at the American Enterprise Institute, as the ethanol controversy rages on. Pimentel finds a negative energy balance in the production of ethanol. Another update on the ethanol issue will appear in 2006.

In 2005 Pimentel also edited a book on Biomass Energy published by Critical Reviews in Plant Science. He also found time to deliver 3 keynote addresses at these events: the International Conference on Area-Wide Control of Insect Pests, United Nations/ International Atomic Energy Agency, Vienna, Austria; the Maine Organic Farmers and Gardeners Association, Bar Harbor, ME; and (as Honoree) at the Northeast Organic Farming Association of New York, Wassaic, NY.

TREVOR PINCH: In Fall 2006 the third volume in the *Golem* series with Harry Collins finally came out, Dr Golem: How to Think About Medicine (Chicago: University of Chicago Press). Pinch also published "Design and Society," in Sal Restivo (ed.) Science, Technology and Society: An Encyclopedia, New York and Oxford, Oxford University Press, 2005; "Voices in the Electronic

Music Synthesizer: an essay in honor of Don Ihde," in Evan Selinger (ed.) PostPhenomenology: A Critical Companion to Ihde, Albany: SUNY Press (2006); and "The Synthesizer with No Name," in Sherry Turkle (ed.) Evocative Objects: Things We Think With, Cambridge MA: MIT Press (in press). Also a paper with S&TS graduate student Shay David, "Six Degrees of Reputation: The use and abuse of online book reviews," was published in March 2006 in the on-line journal *First Monday*. Another paper written with several S&TS graduate students stemming from the research methods class has been accepted for the Annual CHI



David Pimentel published 12 scientific papers in 2005 including a comparison of organic and conventional farming published in Bioscience.

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CONTINUING GRADUATE STUDENTS (from page 5)

SHAY DAVID is spending this year as a resident fellow at the Yale Law School Information Society Project, continuing his research on open systems and contributing to a research initiative on "Access to Knowledge," which calls for a balanced intellectual property regime that respects the human knowledge ecosystem. David presented his work on reputation economies and open systems in various conferences this year, including ICA, (New York, March 2005), CHI (Portland, April

2005), Critical Computing (Aarhus, SASE, Budapest, July 2005), Economic Sociology (Ithaca, September 2005), and 4S, (Pasadena, November 2005). David has written a number of papers this year: "Six Degrees of Reputation: The use and abuse of online book reviews" (with Trevor Pinch); Healthcare, a F/OSS Opportunity in: Karaganis J. and R. Latham (eds.), The Politics of Open Source Adoption. SSRC Publications, February 2005; "Reflective Design"

with K. Boehner, J. Kaye and P. Sengers, 4th Conference on Critical Computing, Aarhus, Denmark, August 2005; "Critical Technical Practice as a Methodology for Values in Design" with K. Boehner, J. Kaye and P. Sengers, *Computer Human Interaction* (CHI) 2005, Portland OR, April 2005.

David was also guest co-editor of a special issue of *Knowledge, Technology & Policy* Free, Libre and Open Source Software Communi-

ties (forthcoming 2006). During the summer David participated in the NSF workshop on "Values in Design" at Santa Clara University. He was recently awarded an NSF dissertation completion grant to finish his research, "The Open World."

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FACULTY ACTIVITIES (from page 6)

This past year was also a year of Moog-related activity. In March Pinch introduced to Cornell Cinema the new documentary about Moog's life, "Moog." On May 31, 2005, he was the master of ceremonies for the annual MoogFest in BB King's Club, introducing to the stage a whole host of classic Moog performers (old and young). After Bob Moog's untimely death in August, Pinch was asked to write obituaries for the *Wall Street Journal* and the German newspaper, *Die Zeit*. He also organized and chaired a panel discussion (followed by a concert) on September 13 at Cornell, "Remembering Robert Moog" (which had been planned before Moog's death). On October 11, Pinch took part in a local Ithaca "Science Cabaret" session lecturing on the history of the instrument which Bob Moog designed as a teenager, the Theremin.

The summer was spent in Korea teaching "Science and Society" at the University of Korea, Seoul.

Last year was also a busy one for lecturing including trips to SUNY Binghamton; Taiwan National University, Taiwan; Seoul National University, South Korea; The University of Chicago; Rensselaer Polytechnic Institute; Cardiff; and the University of British Columbia, Vancouver.

JUDITH REPPY (S&TS/Peace Studies) is a Phi Beta Kappa Visiting Scholar this academic year and has made a number of trips to speak at liberal arts colleges. She also spent two weeks in Germany in October, attending a workshop at the Peace Research Institute of Frankfurt and a conference in Berlin organized by the German Physics Society on "Thinking with Einstein." In Berlin, she gave a paper on "Dual Use Technology in the New Strategic Environment" and enjoyed seeing how much the city has changed since her last visit in the late 1990s. As a result of these activities, she has reluctantly learned how to use Power Point.

MARGARET ROSSITER (S&TS) gave the opening address at the 14th annual conference on Women and Gender Studies and Feminist Theories at Tel Aviv University on February 1. The two-day conference on "Whose Science? Women, Gender and the Sciences" had presentations by about twenty Israeli scholars. As a result of all she learned during and in preparation for the trip, she looks forward to adding more about Israel to some of her courses.

KATHLEEN VOGEL (S&TS), in September 2005, gave a talk titled, "Deconstructing the Bioterrorism Threat: New Insights from the Field of Science and Technology Studies", at the annual meeting of the Association for Politics and Life Sciences. This is an international and interdisciplinary association of scholars, scientists, and policymakers concerned with problems or issues that involve politics or public policy in the life sciences. In addition, Vogel recently received a grant from the Ploughshares Fund for her research project, "Assessing the Bioterrorism Threat from Dual-use Biotechnology."

The purpose of this study is to analyze the production and transfer of scientific knowledge and skills involved in dual-use biotechnology to determine factors influencing proliferation of biological weapons (BW). The project will do so by analyzing the work of two academic and commercial laboratories that have developed synthetic genomes. As part of this research, Vogel attended the October 2005 "Genomes, Medicine and the Environment Conference" on Hilton Head Island, SC sponsored by the J. Craig Venter Institute.

Trevor Pinch and Harry Collins saw the publication of the third volume of their Golem series. Pinch also spent part of the year on activities in remembrance of Robert Moog.

UPDATE ON THE UNDERGRADUATE MAJORS

The Biology & Society and Science & Technology Studies majors continue to grow. We just completed the spring application process for both majors and received 28 applications for admission into the Biology & Society major and 7 for S&TS. Notification letters will go out the week prior to Spring Break.

January 2006 saw the following graduates: Nicole Dunlap (Bio & Society), Erica Borman (Bio & Society), Ruth Hall (Bio & Society), Fara Friedman (Bio & Society), Lindsay Garver (Bio & Society), Phil Lam (Bio & Society), Jill Shemin (Bio & Society) and David Dayan (S&TS). We expect to graduate 53 Biology & Society majors in May and 5 S&TS majors. The junior classes of Biology & Society and S&TS look as strong with 58 and 8 members respectively.

Three Biology & Society seniors are doing honors research on topics varying from effects of introduced plant species on native invertebrates to management strategies for coral diseases to comparison of physical to perceived local food environments.

Undergraduate Coordinator, Susan Sullivan, is making plans for another successful commencement reception and ceremony on Sunday, May 28.

CONTINUING GRADUATE STUDENTS (from page 6)

This year, **JANET VERTESI** presented her work on the London Underground Map as her Second Year Project. This research used a technique of inviting Londoners to draw their city in order to gain a sense of how the iconic subway map influenced their ideas of the structure, imageability, and possibilities for interacting with London. She presented this work at the Society for the Social Studies of Science annual meeting in Pasadena, in a panel called "Divergence: Object, Intermediary, User" which she co-organized with Michael Lynch and Rachel Prentice. She was also invited to participate in a workshop on civic interfaces at CHI 2005, the ACM Conference on "Human Factors in Computing." In May, Vertesi presented her work on seventeenth-century lunar maps at the "Imaging NanoSpace" conference, held at the Zentrum for Interdisziplinäre Forschung in Bielefeld, Germany.

During the summer, she worked as an intern in Intel Corporation's User-Centered Design group, in which she studied health and aging in an international and inter-generation concept, resulting in significant changes in how the team conceptualized technologies for elders' homes. Returning to Ithaca, Vertesi began the fall semester of 2005 with a trip to Vancouver, BC, as a selected participant for Simon Schaffer and Robert Brain's graduate student workshop, "Pictures, Maps, Graphs: A Workshop on Scientific Imaging and Science." She is currently pursuing dissertation research on the use of images in the context of the Mars Exploration Rover mission, extending her work on early modern astronomical images into a contemporary case study. Publications this year include translations of a book on the history of the harp in the eighteenth century and a collected volume on Lavoisier for the Deutsches Museum, and the paper "Pygmalion's Legacy: Images of Cyborg Women in Science Fiction" in the edited collection, The Joy of SF, forthcoming from Open Court in 2006.

TALLMAN PRIZE AWARDED

This year, we received two brilliant papers and are thus awarding a tie for first place (instead of a first and second prize) for the Tallman Prize in Honor of Professor William Provine (Charles A. Alexander Professor of Biological Sciences). The Tallman Prize is endowed by Mr. Philip R. Reilly '69 to honor Professor Provine for his dedication to the teaching of history of science at Cornell. This year's recipients are William Regan and Robert Fishman. Will's paper is titled "Synthetic Evolution," and Rob's title is "Entering the Evolution Debate: A Study of Public Opinion at Cornell University." Congratulations to Will and Rob!

Janet Vertesi is currently pursuing dissertation research on the use of images in the context of the Mars Exploration Rover mission, extending her work on early modern astronomical images into a contemporary case study.

ECONOMIC SOCIOLOGY AND TECHNOLOGY CONFERENCE

This international conference held September 23-24, 2005, was jointly organized by Trevor Pinch in S&TS and Richard Swedberg in Sociology. It brought together 24 speakers from both fields including Karin Knorr Cetina from University of Konstanz and the University of Chicago, David Stark from Columbia University, Phil Mirowski from the University of Notre Dame and Fabian Muniesa from L'Ecole Des Mines, Paris. The conference theme was provoked by the realization that S&TS scholars are increasingly turning to study economic phenomena and that within economic sociology there is renewed interest in technology. The intellectual program was followed by a cruise on Lake Cayuga for all participants in glorious fall sunshine. Pinch and Swedberg are now engaged in editing a volume from the conference. The meeting was supported with funds from the Department of Science & Technology Studies, the Institute for the Social Sciences, and the Center for the Study of Economy and Society.

GRADUATE ALUMNI

P A B L O J . BOCZKOWSKI's *Digitizing the News: Innovation in Online Newspapers* (MIT Press, 2004) was named co-winner of the 2005 Book of the Year Award of the Critical and Cultural Studies Division of the National Communication Association. This was the third book award for *Digitizing the News*; it had previously received the 2005 Outstanding Book Award of the International Communication Association and the 2004 Book Award of the Organizational Communication Division of the National Communication Association. A Chinese version, simplified characters, will be published by the Shanghai Joint Publishing Company and a Spanish version by Ediciones Manantial. Pablo began his new job of Associate Professor in the Department of Communication Studies at Northwestern University in Fall 2005.

SIMON COLE is an Assistant Professor of Criminology, Law & Society at the University of California, Irvine. In November 2005, he was an invited speaker at a Sackler Colloquium on "Forensic Science: The Nexus of Science and Law" at the National Academy of Sciences. On April 25, 2006, Cole will give an invited address at the Academy's annual meeting. He was also recently appointed a member of the American Judicature Society's Commission on Forensic Science and Public Policy.

ARTHUR DAEMMRICH is Director of the Center for Contemporary History and Policy at the Chemical Heritage Foundation in Philadelphia. His most recent book is a history of the Gordon Research Conferences built around essays contributed by over 75 leading scientists and titled, *Reflections from the Frontiers: Explorations for the Future, Gordon Research Conferences, 1931-2006*. He is currently organizing a conference on FDA regulation (for 16 May at CHF) and doing research into new chemicals testing initiatives that have emerged in concert with changing relationships among EPA, the chemical industry, and environmental NGOs.

JOSH GREENBERG is Associate Director of Research Projects at the Center for History and New Media at George Mason University. His current projects include a set of bibliographic and notetaking extensions for Firefox funded by the IMLS (think Endnote in the web browser) and the creation of a "working archive" for papers and other materials by members of the STS community, as well as the revision of his dissertation into a manuscript for publication. He got married in October, and still blogs at <http://blog.epistemographer.com>.

ANNA MAERKER finished her dissertation in August 2005 and is now enjoying city life as a postdoctoral research fellow at the Max Planck Institute for the History of Science in Berlin, Germany. At the HSS meeting in Minnesota in November she presented a paper titled "The wrong tool for the job," in which she analyzed the reception of anatomical wax models in late-eighteenth-century Vienna in their urban context. One article based on her Ph.D. work has recently appeared in the *British Journal for the History of Science*: "The tale of the hermaphrodite monkey: The 'taxonomist's regress'; state interests and natural historical expertise between museum and court in late-eighteenth-century Tuscany" explores classification as a locus for the articulation of expertise in enlightened absolutism. Her current activities include the preparation of her dissertation ("Model experts: The production and uses of anatomical models at La Specola, Florence, and the Josephinum, Vienna, 1775-1814") for publication; and the exploration of a new research project, "The notion of useful knowledge and the emergence of modern science, 1750-1850." In May-June, she will travel around Europe to visit historical collections of scientific objects as a participant in the "Wandering Seminar" of the International Max Planck Research Network, "History of Scientific Objects."

SUZANNE MOON is an Assistant Professor in the Division of Liberal Arts and International Studies at the Colorado School of Mines. In 2005 she was appointed Associate Editor for *Technology and Culture*, the journal of the Society for the History of Technology. While she serves as editor for manuscripts of all kinds, she is the current "go-to" person for manuscripts on technology in non-Western contexts. In late March 2006, she will be presenting the paper "Considering 'Eastern Development': Science, Technology, and Communist Activism in Southeast Asia" at the Princeton University conference: "Science at the Crossroads: Geopolitics, Marxism, and Seventy-Five Years of Science Studies." In 2006-2007 she will be the Hixon-Riggs Visiting Professor at Harvey Mudd College's Department of Humanities and Social Sciences in Claremont, CA. During her tenure there, she will organize a conference to be held in the spring on the topic of technology and colonialism. The conference will bring together major scholars in the field for a discussion and workshop on the state of current research, and directions for future work.

Continued on page 10



Having finished her dissertation, Anna Maerker is now enjoying city life as a postdoctoral research fellow at the Max Planck Institute in Berlin.

GRADUATE ALUMNI (from page 9)

SONJA SCHMID took a position as a Social Science Research Associate at Stanford University last fall. At Stanford, she is affiliated with the Center for International Security and Cooperation (CISAC), and with the Program in Science, Technology, and Society. In November, she gave a paper, "Bastards of the Bomb: Development of the Civilian Nuclear Industry in the Soviet Union," in the Seminar on International Security and Social Sciences at CISAC. She is currently turning her dissertation into a book, and is preparing a course ("Risk in Contemporary Culture") to be taught in the spring quarter. Her paper, "Celebrating Tomorrow Today: The Peaceful Atom on Display in the Soviet Union," is scheduled for publication in *Social Studies of Science* later this year.

NAUBAHAR SHARIF received his Ph.D. in May and left Cornell in June, after five very enjoyable years in S&TS. He chose to accept a job offer as a research assistant professor at the Hong Kong University of Science and Technology (HKUST), over one in Singapore. Since starting at HKU in July Nab has had a number of peer-reviewed articles published: in *Knowledge, Technology and Policy*, *International Journal of Technology and Globalization*, and *Innovation: Management, Policy & Practice* (forthcoming), as well as a book chapter. He also has a couple of co-authored book chapters forthcoming. At HKUST, Nab has also successfully applied for a 'Direct Allocation Grant,' which he is planning to utilize to extend his dissertation project by researching the genesis and development of the sectoral, technological and regional innovation systems ideas, beginning in the summer/autumn of 2006.

ALEC SHULDINER is living in Amsterdam where he does consulting work for international banks trying to become compliant with Basel II-related legislation. In effect, this means he is putting his S&TS training to good use by helping banks figure out how to install and live with exceedingly complex systems, which produce unintended consequences and other system/technology effects.

JAMEY WETMORE recently finished a stint as postdoctoral associate at the University of Virginia's STS department. At UVa, he and Deborah Johnson wrote an article for the upcoming *STS Handbook* that explores ways in which STS can contribute to practical ethics. They have also put together a reader (currently under review for publication) that demonstrates how a better understanding of technology, society, and ethics can help one make better decisions about technology. Wetmore is currently a postdoctoral research associate at the Consortium for Science, Policy & Outcomes (CSPO) at Arizona State University. At CSPO he is working with Daniel Sarewitz, David Guston, and others to flesh out ways of using STS ideas to enhance scientific, technological, and policy decision making. And finally, the first research Wetmore ever presented at Cornell (on the Amish relationship with technology) will soon be published in *IEEE's Technology & Society*.



UNDERGRADUATES

Over break, **ALEXANDER BARASH** ('07) worked for Affinity Solutions, an affinity marketing company located in the Empire State building. This semester, he will be doing both genetics and poverty research in addition to studying for the MCAT exam.

JASON BARELL ('07) is on Cornell EMS and is the Transfer Day Coordinator for CALS Ambassadors. He was recently admitted to the Sloan Program in Health Administration, an accelerated degree program for Cornell undergraduates. Last summer he participated in the Summer Scientific Work Program at Franklin Hospital Medical Center in Valley Stream, New York.

TARAS CZEBINIAK ('06) is double-majoring in Science & Technology Studies and French Area Studies while concentrating in International Relations. She works as a Team Leader with CIT and supervises the public computing labs. She is also the Head Chimesmaster of the Cornell Chimes. She continues to work in the Ukrainian Club, and is putting together a Ukrainian Easter Egg Workshop for early April. After graduation she may become a legal assistant for a couple of years, in the hopes of discerning whether law school is in her future.

ERIN DAUCHY ('08) has been working in a cancer research lab for the past four years and during break began studies on a tumor that had been removed from a human cancer patient and implanted in a rat. She studied the effects of potential treatments on the rodent tumor to see if they would be effective on the human patient.

ANNA FLAM ('08) transferred into Cornell this past fall semester, and is on the Cornell Women's Varsity Equestrian Team. She also works at Banfi's restaurant in the Statler.

MEAGAN FLENNIKEN ('07) just returned from a semester working for a non-profit non-governmental organization in Mongolia. She worked on issues of sustainable reindeer husbandry including artificial insemination and animal-human transmissible diseases.

SAQIB HASAN ('06) is Vice-President of the Muslim Educational and Cultural Association; Vice-President for Islamic Alliance for Justice; Secondary Chief in command of Cornell Auxiliary Police Blue Light Escort Service; Biochemistry Teaching Assistant (last semester); a Cornell Fitness Center monitor; and an Emergency Medical Technician.

Continued on page 11

UNDERGRADUATES

CHRISTINA HAYES ('06) is double-majoring in Biology & Society and Communication. Last semester she organized a fundraiser with Golden Key International Honor Society (of which she is the VP of Service) which raised over \$800 to pay for the veterinary care of pets affected by Hurricane Katrina. She will enter Harvard Law School in the fall.

UGONNA NNAMDI IHEKWEAZU ('08) plays for the men's varsity basketball team, is on the Student Athlete Advisory Committee and the President's Council on Alcohol and Drugs. He is also Head Clerk for the Cornell Reunion, a Cornell Tradition Fellow, and Editor for the Ivy Journal of Ethics.

ROMAN KICHOROWSKY ('08) is studying the relationship between the mind and environment as his concentration. He worked on an organic vegetable farm last summer and visited India in January 2006 on a field trip with an international agriculture class (IARD 602). He is also a Residential Advisor at Ecology House and works at the Lindseth Climbing Wall. He plans on going to Thailand this fall and summer.

ALUMNI NEWS

MONICA BERTOIA ('03) is a first-year Master of Public Health student at the Yale School of Public Health. Her focus is on chronic disease epidemiology and nutrition.

ELIZABETH BLIDNER, a second-year medical student at Jefferson Medical College in Philadelphia, PA., misses life on the hill, but not in the winter!

JENNIFER LEE ('06) has a concentration in Inequality Studies. She holds offices in programs at the Public Service Center. She is President of the Translator Interpreter Program that trains and provides volunteer student translators and interpreters to the Ithaca community in emergency and non-emergency situations and was recently awarded the Corrine Galvin Humanitarian Award from the Tompkins County Human Rights Commission. She is also President of the Language Pairing Program, which promotes cultural awareness by pairing individuals of different language backgrounds so that they can help each other enhance their language skills and knowledge of foreign cultures.

Lee is also involved in Together, a child health mentoring program at the Public Service Center and REACH (Real Education About Cornell Health), a health promotions volunteer program at Gannett Health Center. She is recipient of the Lewis and Esta Ress Diversity Scholarship

GIANCARLO BOUCUGNANI ('02) received his J.D. degree from Tulane University Law School in May 2005, passed the Florida Bar Exam in June 2005, and was admitted to the Florida Bar in October 2005. He is currently an Associate Attorney at Whisenand and Turner, P.A. an international, corporate law firm in Miami.

NATHAN SKELLEY ('07) has been selected to represent Cornell University as a candidate for the Harry S. Truman Scholarship. He was also chosen as one of three undergraduate students to serve on the Weiss Presidential Fellows Nominating Committee. This committee recognizes distinguished teachers with the title of Stephen H. Weiss Presidential Fellow and a \$5,000 a year award for each of five years. Skelley is the Public Relations Chair for the Pre-Professional Association Towards Careers in Health (PATCH) and this fall created "PATCH It Up," a fundraising program that raised over \$1,500 for hurricane relief with the American Red Cross. He was also selected by the National Commander of the American Legion to serve as a counselor for the 2006 Boys Nation program this summer in Washington, D.C.

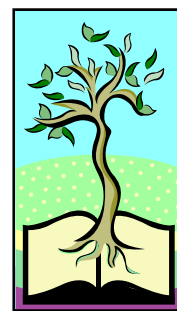
JEFFREY STAMBAUGH ('07) serves as the President of Cornell United Men's Club soccer team. In November, the team represented our school well at the national tournament after finishing second in the Northeast region.

RACHEL CAMPBELL (12/04) is a first-year medical student at Robert Wood Johnson Medical School in Piscataway NJ

ALGERNON CARGILL Jr. is a first-year medical student at the University of Chicago Pritzker School Of Medicine. Before beginning medical school, he participated in a Summer Research Program organized by the university on diabetes in children and

He is also an organic chemistry and biochemistry Teaching Assistant and works in Dr. David Usher's organic chemistry laboratory, where he investigates the idea of RNA templates that can catalyze basic peptide bond formation in "prebiotic" conditions. He volunteers at the Cayuga Medical Center emergency room to gain practical exposure in medicine.

Over winter break, he did a three-day externship with Dr. Joseph Iannotti, MD, the chair of Orthopaedics at the Cleveland Clinic. Finally, Stambaugh is also an ambassador for the College of Arts & Sciences. Honors include election to Golden Key Honor Society as well as the National Society of Collegiate Scholars. He is a member of Sigma Pi Fraternity.



families in Chicago. He will do more research this summer, and travel to the Dominican Republic to deliver medical supplies to needy communities. At Pritzker, he is the Community Outreach Coordinator for a free student-run health clinic and was elected as the Dean's Council Representative for his class.

ALUMNI NEWS *(from page 11)*

After graduation, **ANDREA CHAN** worked as an investment advisor for Merrill Lynch. She is now in her last semester at Brooklyn Law School, where she is a member of the Moot Court Honor Society. She also interned for Judge Cheryl Chambers in the NY Supreme Court.

MICHELLE NEWTON CLEMENT ('03) recently married and now lives in southern CA. She works for ENVIRON, an environmental consulting firm located in Los Angeles. Her second semester of graduate school at Loyola Marymount University has started and she hopes to receive the M.S. in environmental science in 2007.

HEATHER COE MESERVY ('99, Cornell Law 2002) specializes in healthcare and technology litigation as an associate with Cooley Godward LLP in San Diego, CA. She and her husband, London (CU Law 2001), are expecting their first child in August.

DAVID CROSS lives in Nashville, TN, and is a freelance writer for a NY-based magazine called *DJ Times*. He is currently pursuing further writing and audio industry-related career opportunities across the country.

KRYSTIAN DENNIS ('05) this past summer was a graduate-level intern at the World Health Organization at United Nations Plaza, New York, conducting research on the public health implications of sexual trafficking. She is currently pursuing an MS in International Hotel Management at the University of Surrey, Guildford UK, and plans to graduate in March 2007.

JULIA ELLENBERG earned a Master of Public Health degree in May 2005 from Johns Hopkins School of Public Health. She is now working as a contractor for the CDC in Atlanta, in the National Center for Environmental Health. She recently became engaged to Scott Painter, a University of Texas graduate, whom she met while working with Teach For America. Their wedding is planned for September 2006.

CECILE FERRANDO is in the second year of an MD/MPH program at SUNY Stony Brook and loves it.

JAMECIA FINNIE is working on a M.S. in Health Studies at Texas Woman's University. She researches psychological barriers to healthy behaviors in college students. She is applying to medical school for Fall 2007.

JESSICA FOX ('05) began the Ph.D. program in Neurobiology and Behavior at the University of Washington. She relocated to Seattle and is currently doing research in systems neuroscience.

JESSICA FURST is working as a clinical research coordinator at Cornell Medical Center. She manages several clinical trials that test various drug combinations to combat multiple myeloma, a hematological malignancy. She also collects data and is writing a research paper with her principal investigator on a novel multiple myeloma therapy protocol. She will attend medical school this fall.

LINDSAY GARVER is spending the semester in Ithaca working on two research projects with Professors Rosemary Avery and Dean Lillard. One project focuses on smoking cessation and the media and the other project is monitoring an adolescent foster care demonstration project. She plans to look for a job for next year in the public health field.

NANCY GOH ('04) has been working for the past two years as an Associate at Covance Market Access Services, Inc. Covance (www.covance.com) is a drug development company with locations around the world, but the Consulting Services offices are based in Maryland and California. Her group focuses primarily on reimbursement and health economics consulting. They work with major pharmaceutical, biotech, and medical device companies in a variety of disease areas. Covance is currently looking for new Research Associates. If any students are interested, please email resume and cover letter to nancy.goh@covance.com.

USHA GOVINDARAJULU has been working as a research fellow in the Department of Biostatistics at the Harvard School of Public Health, ever since she completed her doctorate in 2004, thus combining her environmental science background from college with statistics. She also wrote and produced a comedy/dance drama which was staged in October 2005 in her "spare time."

JENNIFER GREENE WELCH finished her Pediatric residency (Hasbro Childrens Hospital, Brown University, Providence, RI) in June 2005. She is now officially board certified in Pediatrics, and is six months into a Pediatric Hematology/Oncology fellowship (also at Hasbro). In Oct 2004, she married Sean Welch (Cornell engineering '99, Ph.D. '04), and the happy couple are living in southern Massachusetts.

KRISTEN L HAMILTON ('04) is a second-year graduate student in the History of Science (Medical History & Bioethics) Department at the University of Wisconsin-Madison. Her master's thesis will be on the interdisciplinary nature of transcultural psychiatry in the middle third of the twentieth century.

REBECCA HANOVICE is a second-year litigation associate at Bromberg & Sunstein LLP (www.bromsun.com), an intellectual property law firm in Boston, MA. Her practice focuses on trademark and patent litigation. She also volunteers as a tutor for 8th grade students enrolled in the Citizens Schools Program, and she provides *pro bono* services for the Health Law Advocates.

JEFFREY HARRADINE, now that his clerkship in the Third Circuit is complete, is working as a litigation associate at the firm of Clifford Chance in New York. Among the many matters on which he works is a substantial global IP transaction involving patents.

ALUMNI NEWS *(from page 12)*

KATIE HOFFMAN is at the University of Pittsburgh in the master's program for genetic counseling. She will start clinical rotations in the University of Pittsburgh Medical Centers this summer. She is also working with the Center for Minority Health, which is based out of the University of Pittsburgh's Graduate School of Public Health. She provides free genetic counseling services for individuals involved in the "Healthy Black Family Project." This project hopes to eliminate health disparities in minority populations in the Pittsburgh area by 2010. The main focus is on lowering the rates of diabetes and hypertension in the African-American population.

BENITA HUSSAIN ('01) is a third-year law student at Fordham University School of Law, set to graduate in May 2006. She is the Senior Articles Editor of the Fordham International Law Journal, and starting in Fall 2006, will be working at the NY office of the law firm, Morrison & Foerster.

JULIA JOH completed her MPH at Columbia and is a senior analyst with the National Association of County and City Health Officials. Her work involves public health infrastructure issues. She is also pursuing a doctoral degree in political science at the University of Maryland College Park.

ELIZABETH KAO is a fourth-year medical student at the University at Buffalo School of Medicine, anticipating graduation in May, after which she will be an anesthesiologist resident.

GWYNNE KOCH ('02) recently started a new job as Project Coordinator with the Manufactured Housing Research Alliance (www.mhrahome.org) in NYC.

CRAIG KOESTER ('01) is a Senior Consultant with IBM Business Consulting Services in Washington, DC, where he works with the U.S. Department of Homeland Security (DHS). In 2002-2003 Koester was a part of the reorganization effort that created DHS, specifically three of the immigration and border security agencies. Since then he has been working with U.S. Immigration and Customs Enforcement (ICE) on a number of law enforcement initiatives, which has been extremely rewarding (and challenging). Koester is also looking forward to reunion this June!

ANNA KORPAK ('00) is concluding her work with the Biostatistics Center at the Massachusetts General Hospital in Boston, and is in the midst of graduate school interviews for Ph.D. programs in Biostatistics.

MARLA KUGEL is working in Arlington, VA for a privately-owned health care consulting company doing policy analysis for private industries interested in Medicare and Medicaid. She graduated last spring with a Masters in Public Health from the Yale University School of Epidemiology and Public Health, with a concentration in Chronic Disease Epidemiology.

DENYS LAU ('95) finished his Ph.D. in health services research from Johns Hopkins in 2002 and his post-doctoral fellowship in pharmacoeconomics at the University of Michigan and Pfizer Pharmaceuticals in 2004. He is currently an Assistant Professor and the Section Director of Health Services and Policy Research at the Buehler Center on Aging, Northwestern University Feinberg School of Medicine. His research areas include quality and safety of health services provided to the elderly population with special focus on pharmaceutical care. Most importantly, he is enjoying Chicago!

ADAM MIKOLAJCZYK ('99), after working for Cornell as a network administrator for more than five years, finally moved beyond central New York to Lawrenceville, GA, (a suburb of Atlanta) to take a job as a Network Engineer with a small IT consulting firm known as Rocket IT. Moving to the southeast has been a major adjustment, most notably the 60F+ days in mid January -- quite a difference from the Ithaca winters he'd become accustomed to.

CARA NEMCHEK ('04) is attending Columbia University for a Masters in Nutrition Education. In addition, she is working closely with sociologist Janet Poppendieck (author of *Sweet Charity: Emergency Food and the End of Entitlement*), performing research for her upcoming book on the national School Lunch Program. As an exercise for a current Community Nutrition study, Nemchek spent a week eating on a food-stamp budget - \$35 for

the week, which translates to \$1.67 per meal.

SARAH NORRIS is finishing her last year in law school at American University, Washington College of Law, and will be working for the law firm of King & Spalding in New York in the fall.

MEGHAN NUTTING ('03) is currently working as the Deputy Press Secretary for U.S. Senator Olympia Snowe.

JULES OSIAS is a first-year MD/MPH student at Mount Sinai School of Medicine, planning on going on a student medical mission in Belize for spring break. Osias also volunteers at Ita Ford, a free clinic in Harlem.

DANIEL PEARLSTEIN is working on his master's degree in the City and Regional Planning Department at Cornell, and he continues to write for the *Cornell Daily Sun*. He is looking forward to receiving his diploma once the remaining issues relating to his involvement in the April 28 sit-in at 300 Day Hall are resolved.

CHRISTEN PULICARE is a first-year graduate student at Mount Sinai School of Medicine in Manhattan, working towards her MS degree in genetic counseling.

ALUMNI NEWS *(from page 13)*

NICOLE REDMOND, in February of last year, completed her Master's degree in Criminal Justice with a specialization in Criminal Law and Procedure at John Jay College of Criminal Justice in NYC. At the time, she was also working as a paralegal for the Bronx District Attorney's office. She is currently a first-year student at Albany Law School at Union University working on her J.D. degree and is seeking a summer job in public interest law either in NYC or in Albany.

ASHLEY RINDSBERG ('03) is utilizing his S&TS knowledge in a real way with the Earth Capsule project (www.earthcapsule.com). The project takes some familiar technologies and the very-familiar concept of a time capsule to create a system that allows anyone to write personal messages from anywhere and save them for the future. Rindsberg is now in NYC, after a year and a half in Tel Aviv.

BENJAMIN RUDER ('01) attends the University of Washington School of Dentistry in his hometown of Seattle, WA. In August 2004 he married Katherine "Bug" Gibson of Harrisburg, PA. While they have really enjoyed living in Seattle the past several years with all their friends and family, following graduation from dental school this June, Ruder will begin a two-year residency program in pediatric dentistry at the Children's Hospital of Wisconsin in Milwaukee, WI. The couple is looking forward to a couple of years of beer, cheese, bratwursts, and winters reminiscent of the Ithaca cold.

LINDSAY SCHOONMAKER ('05) is working as a legal researcher/writer for the immigration group of Miller Mayer, LLP, a law firm on the Commons in Ithaca.

During the summer, **ANNE SCHWIEGER** taught English to sixth grade students attending a language immersion program at the American School of Paris. Since September she has been working as an AmeriCorps VISTA member in Ithaca's Department of Planning and Development. She is currently applying to graduate programs in City Planning and Public Health.

URI SKOWRONSKI is teaching biology at Lowell High School in San Francisco, but plans a move back to Boston to get his Masters in Educational Administration.

CHANTAL SPENCER ('04) is a first-year medical student at Georgetown University School of Medicine. She completed a post baccalaureate graduate program in medical studies at Georgetown in May 2005.

JAVIER SULLIVAN ('04) left Las Vegas this past September to spend a month at home in NYC. He traveled to South America where he has been for the past three months. So far he has visited Argentina, Chile, and Bolivia and is planning on seeing several other SA countries. He is especially looking forward to Carnival in Brazil where he can practice his Portuguese, which he has been learning on all the long bus rides. He will spend another two months traveling before either taking a job in SA or returning to New York City.

DANIEL SWARTZ is currently the CEO of Thought-Worthy Media, Inc. TWM develops online and interactive television applications.

ERICA TUNICK is a second-year student at the University of Minnesota Law School and is a staff writer on the school's *Journal of Law and Inequality*. The very exciting news is that she is going to be working as a summer associate a Dewey Ballantine LLP in New York City this summer.

DIANE WEISBROT WING ('88) has been living in Redondo Beach, CA since Oct '94 with her husband, Phil Wing. The couple has two children, David, 7 and Kiana, 4. She is working part-time as a physical therapist at an orthopedic/sports medicine clinic. She misses home (LI) and Cornell, even while basking in 80 degree winter weather.

DEBORAH WENG ('03) is a first-year student at Columbia University, College of Dental Medicine in New York City.

JOHN WILKES (Sociology, '75) is the Executive Director of the International Association for STS and the 21st annual meeting held February 2-4 in Baltimore. Twelve of his students presented their work in two areas -- space policy and high school student aspirations -- as they are affected by gender-based expectations. These studies focused on the problem of how to predict breakthroughs in the field of aerospace, and the advantages and disadvantages of building space stations to support lunar-earth trade among other space missions.

The Gender and Science/Technology Career Choice studies focused on differences in the distribution of masculine and feminine self-images among males and females attending private parochial high schools. Gender expectations are changing, but gender is still a powerful predictor of student professional aspirations.

Wilkes and his students are also planning a space policy and technology conference at Worcester Polytechnic Institute, co-sponsored by WPI chapters of Student Pugwash and AIAA.

[NOTE: Wilkes dates from the days before the official formation of the department. He was a Sociology graduate student but attended all the events offered by STS, including when it hosted the first meeting of the 4S. He was part of the general ferment surrounding the creation of S&TS, leaving Cornell in 1975. We thought his entry would be of interest to our readers.]

EMILY YOUNG VENTURA ('00) started a Ph.D. program in Preventive Medicine last fall at USC. She is doing work on nutrition education programs designed to reduce risk for type 2 diabetes in Latino teens. While missing Cornell and her friends, she was happy to find, that her statistics TA this semester, Danny Lee, is also a CU grad ('99).

OPINION PIECE: Intelligent Design

By Kevin Lambert

Mellon Postdoctoral Associate, Society for the Humanities

As a former high school science teacher I was very pleased to see the judgment in the recent Dover Area School District “Darwin trial.” Judge John E. Jones III Memorandum Opinion was forthright in naming Intelligent Design (ID) as a mere re-labeling of creationism and not a scientific theory, an opinion that has been rightly seen as an important victory for the teaching of science in American schools.

I am no longer a high school teacher but now teach and research the history of science at Cornell University. Like many of my colleagues in the Department of Science & Technology Studies at Cornell, I believe that historical and sociological perspectives on science can be useful to scientists arguing that ID should not be included in high school biology curricula. It is a particularly important moment to press that claim, because arguments culled from the sociology of science, or science studies, were used in the Dover case to make the argument for ID.

Steven Fuller is a sociology professor from Warwick University in Britain. His argument in the Dover case was that the struggle between evolutionists and the ID community should be seen in terms of a power struggle between competing scientific perspectives. According to Fuller, the Darwinists represent a dominant scientific paradigm that achieved ascendancy in the twentieth century. The ID community represents an older scientific tradition – one to which Fuller is more sympathetic and for which he regularly cites Isaac Newton and Gregor Mendel as important exemplars. Fuller believes this older tradition of natural theology is now excluded from mainstream biology, to the detriment of the field. He recently told a British newspaper that he saw his defense of ID in terms of “an affirmative action position, voicing a point of view that would otherwise be systematically excluded.” In the Dover trial he claimed that not to challenge the dominant scientific paradigm of Darwinism was “epistemologically bad news.”

For those interested, Fuller’s cross examination during the Dover trial by ACLU lawyer, Witold Walczac, which is available on the Web, will give ample illustration of the absurdity of representing Intelligent Design as some sort of loyal opposition whose criticism of the dominant paradigm will only serve to strengthen science in the long run. The fact the Intelligent Design movement has produced no peer-reviewed scientific papers since it began more than ten years ago is evidence enough that their criticism of Darwinian biology is entirely negative.

Of greater importance is the way that Fuller’s testimony will feed the view, held by some in the scientific community, that science studies undermines science. Although it is by no means a radical philosophical position to argue that science cannot provide absolutely certain knowledge about the natural world, the emphasis in science studies on the messy human reality of scientific practice has often been seen as a criticism of science.

To those actually working on the cutting edge of scientific research the discovery that science is a messy business is no discovery at all. The value of science studies is to teach non-scientists more about the practice of science and perhaps to help scientists to see the social component of their work a little more clearly. However, *contra* Fuller, science studies should not be used to establish what is, or is not, to be considered as science; that is work for the scientific research community itself.

Where science studies can have a role in the debates around ID is by emphasizing the non-fundamentalist nature of good science. Teaching that creating agreement on scientific knowledge is an untidy business does not devalue that knowledge. In fact, it does the opposite. Emphasizing the enormous practical skill, theoretical work, and social negotiation that is needed to bring order to the chaos of experimental results only adds to our appreciation of science as a cultural achievement.

Neither does it let ID in through the backdoor. The difficult technical and theoretical issues raised by scientists sympathetic to ID such as Michael Behe or William Dembski, should be debated by research scientists in their particular fields of expertise. But it is very difficult to see how they have done enough to warrant a place in a high school science curriculum. Furthermore, to use the work of Behe or Dembski to justify going over the head of science teachers to make claims to high school students that Darwinism is only a theory smacks of fundamentalism. And fundamentalism has no place in science class.

Science & Technology Studies – Cornell University
SPRING COLLOQUIUM SERIES

All talks are at 4:30 pm on Mondays and held in room 374 Rockefeller Hall, unless otherwise noted

JANUARY 30

Andrew Jewett

Society for the Humanities, Cornell University

**"Science, Democracy,
and the American University"**

FEBRUARY 13

Matthew Stanley

Iowa State University

**"The Pointsman: Maxwell's Demon,
Victorian Free Will, and the
Boundaries of Science"**

FEBRUARY 20

Roald Hoffmann

Department of Chemistry - Cornell University

**"What Might Philosophy of
Science Look Like, if
Chemists Built It?"**

MARCH 6

Margaret Lock

McGill University

**"Genomic Divination: Susceptibility
Genes, Biomarkers, and Estimations
of Risk for Alzheimer's Disease"**

Co-sponsored with Anthropology

MARCH 27

Duana Fullwiley

*Robert Wood Johnson Health and Society Scholar,
Harvard School of Public Health and History of Science*

**"The Enculturated Gene: Sickle
Cell Science and its Bodily Forms
in Dakar (Senegal)"**

•• MARCH 31 ••

Matthew Jones

Columbia University

**"Seeing all at Once: Leibniz on
Notation and Inductive Practice
from Mathematics to Statecraft"**

*Co-sponsored with History
3 p.m. in 374 Rockefeller*

APRIL 10

Geoffrey Bowker

Santa Clara University

**"Cyberinfrastructure
for the Ages"**

APRIL 17

Philip Reilly

Interleukin Genetics, Inc.

**"DNA Forensics:
1985-2025"**

APRIL 24

M. Norton Wise

University of California – Los Angeles

**"Pegasus and the Muses of Art,
Industry, and Science:
Berlin, 1820-1840"**

Department of Science & Technology Studies

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SCIENCE & TECHNOLOGY STUDIES
 SCIENCE STUDIES RESEARCH GROUP
 SPRING 2006
 MONDAYS, 12:15-1:15
 374 ROCKEFELLER HALL

January 23	Chloe Silverman Cornell University	"Desperate and Rational: Parents and Practitioners in Autism Research"
January 30	Trevor Pinch Cornell University	"Studying On-Line Music: Chart Whoring and Drive By Shootings"
February 6	Rachel Prentice Phoebe Sengers Suman Seth Cornell University	"Workshop: How (Not) to Give a Talk"
February 13	Ayrn Martin Cornell University	"Gods and Micromonsters: Chimeras in Myth and Medicine"
February 20	Wrap-up Session	MIT Graduate Student Conference
February 27	Michael Lynch Cornell University	"Science, Common Sense and DNA"
March 6	Steve Hilgartner Cornell University	"Lab is to Factory as _____ is to _____?"
March 13	Jofish Kaye Cornell University	"Evaluating Experience-Based HCI: the Virtual Intimate Object"
March 27	Kathleen Vogel Cornell University	"A Recipe for Destruction? Synthetic Genomes and Bioterrorism Threats"
April 3	Heidi Voskuhl Cornell University	"'Technology and Decline': Ideas on a Philosophy of Technology in the Conservative Revolution of the Weimar Republic"
April 10	Nicole Nelson Cornell University	"Three Blind Mice Trials: Replication in Behavioral Genetics"
April 17	Roundtable Discussion	Topic TBA
April 24	Katie Proctor Cornell University	"Alvan Clark & Sons: Fashioning the Instrument-Maker's Expertise"
May 1	Manjari Mahajan Cornell University	"Making Scientific Expertise: The Politics of AIDS in South Africa"

*The SSRG is funded in part by the GPSAFC. All talks are **open** to the Cornell Community.
 Department of Science & Technology Studies, Cornell University, 306 Rockefeller Hall
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NEW COURSES FOR FALL 2006/SPRING 2007



S&TS 468 Understanding Innovation. Fall. 4 credits. Judith Reppy. Ideas about innovation occupy a central place in any description of our era, whether the topic is economic growth, military power, or globalization. The course will explore different ways of understanding the innovation process, the institutions and practices that are meant to foster innovation, and the issues that governments face when they seek to regulate innovations. We will read across a range of literature in economics, history, and science and technology studies.

S&TS 246 New York Women (also HIST 246/FGSS 241). Fall. 4 credits. Margaret Rossiter. Over the centuries New York State has been the site of activity for a great many women of consequence. This course is a one-semester survey of the past and present activities and contributions of rural and urban women in a variety of fields of interest to Cornell students -- politics, medicine, science, the law, education, business (including hotels), entertainment, communications, government, labor, religion, athletics, the arts and other areas. Weekly readings and discussion and a paper, possibly using local or university archives. Limited to 15 students.

S&TS 627 Making People Through Expert Knowledge. Spring. 4 credits. Christine Leuenberger. This seminar explores how the human and social sciences have provided the knowledge and categories we use to make sense of human beings and their behavior. Looking across a range of disciplines - including sociology, psychiatry, psychology, psychoanalysis, anthropology, and economics - we will look at how human beings have become objects of scientific investigation. We will focus on how culture, politics, and the professional environment impact the human sciences and how the use of rhetoric constitutes academic discourse. We will also focus on the social scientific construction of selves, sex, gender, and race.

S&TS 630 Social Theory for Science Studies. Fall. 4 credits. Rachel Prentice. Sociologist C. Wright Mills challenged his readers to develop their "sociological imaginations" to understand the social and historical forces at work in seemingly individual events, such as the receipt of a pink slip, a draft card, or a drug prescription. Within science and technology studies, scholars have documented how social issues can become scientific, technological, or medical, often appearing to leave the social realm altogether to become biological, technical, or pathological. The best social constructivist work in Science and Technology Studies reveals how scientific, technological, and medical worlds are thoroughly social; that is, theories of social structure and action underpin the best empirical work in the field. This course introduces graduate students to classic texts and concepts in social theory with a focus on applying such theories to empirical research in science, technology, and medicine. It will consider major thinkers and schools of social thought, such as Marx, Weber, Durkheim, Mannheim, Foucault, and the Frankfurt School. It will also consider how a nuanced interplay of theory and empirical data can bring critically important insights to both theoretical and empirical understandings of the world.

ALUMNI, FACULTY, CURRENT STUDENTS: WE WANT TO HEAR FROM YOU!

Please complete this page and return to: Science & Technology Studies/Biology & Society, 306 Rockefeller Hall, Cornell University, Ithaca, NY 14853; or send an e-mail to: STSNewsletter@cornell.edu.

PART I: If you are a student or alumnus, please complete the following or attach a separate sheet if you need more space:

Name (please print): _____ Year of graduation: _____

Current address:

Phone: _____ E-mail: _____

Current activities (job, school, etc.). For publication in next newsletter.

PART II: If you are a faculty member, please complete the following (or attach a separate sheet if you need more space):

Name: _____

Conferences, presentations of interest:

Recent publications:

Honors, awards, other newsworthy items:

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Biology & Society/S&TS Majors
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