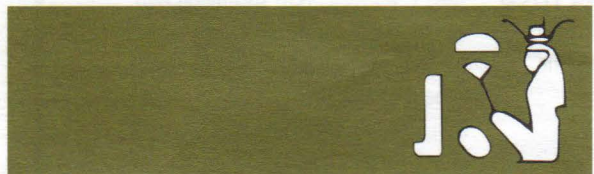


Newsletter



VOLUME 33 NUMBER 3
July 2004

HISTORY OF SCIENCE SOCIETY

Welcome to Austin

By Elizabeth Green Musselman, Southwestern University

This year's joint meeting of the History of Science Society and Philosophy of Science Association will be held on 18-21 November in Austin, Texas. The HSS will meet at the Hyatt Regency on Town Lake (technically not a lake but a wide spot along the Colorado River), with lovely views of the Austin skyline.

Those flying in for the meeting will use the Austin-Bergstrom International Airport. Since Austin is the self-dubbed "Live Music Capital of the World," those arriving in the afternoon or early evening will probably find a band playing in the concourse area. A Super Shuttle "blue van" will take you from the airport to the Hyatt for \$10.75 (Super Shuttle is offering a discount with coupon – see p. 2); a cab will cost about \$18.50. Austin's metro bus service can take you downtown for 50¢; the free 'Dillo bus service, which runs throughout downtown Austin, can take you the remainder of the way to the Hyatt.

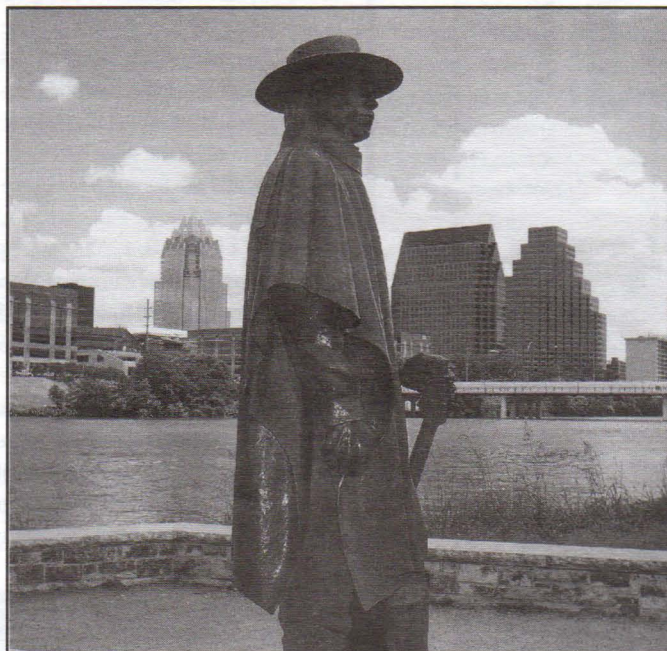
Apart from the city's vibrant live music scene – not just in country/western ("both kinds of music") but in virtually every genre – its residents do much more to "keep Austin weird," as a popular local bumper sticker admonishes. Richard Linklater's films – especially *Slacker*, *Dazed and Confused*, and *Waking Life* – give the uninitiated a vivid sense of Austin's peculiar blend of southern pacing and southwestern bohemianism. Molly Ivins's and Jim Hightower's books and columns show how far Austinites' political sensibilities

tend to stray from their fellow Texans'.

In November, Austin's high temperatures average around 72 and lows around 50, and the city enjoys about 300 days a year of sunshine – so visitors will want to pack warm-weather clothing and walking shoes.

The area immediately around the conference hotel abounds with attractions and restaurants. Just outside the Hyatt stretch both the hike-and-bike trail that loops around Town Lake and shows off Texas Hill Country's surprisingly green ecology, and ultrahip South Congress Avenue with its quirky shops and restaurants. A stroll across the

Congress Avenue Bridge (summer home to more than a million Mexican free-tail bats) will take visitors to the heart of downtown, including the PSA meeting site (the Radisson), the State Capitol, state history museum, the stunning new city hall, more restaurants, and dozens of cozy, live-music venues. Further north lies the University of Texas campus, where the newly renovated Harry Ransom Humanities Research Center will display some of its fine rare book and archival collection in the history of science. The Lyndon Baines Johnson library and museum are just east of the UT campus.



A statue of music legend Stevie Ray Vaughan, backed by the Austin skyline. (Photo courtesy Elizabeth Green Musselman)

Endowing the *Isis* CB

**\$66,502 Raised,
\$433,498 to Go!**

You Can Help By:

1. Making a tax-free donation.
2. Showing the CB to a colleague or friend and asking for a contribution.
3. Sending us ideas for contributors and other funding sources.

Last January's *Newsletter* reported our receipt of a National Endowment for the Humanities Challenge Grant, awarded to help the Society secure the future of the *Isis Current Bibliography*, the one major resource (in both its printed and on-line versions) upon which each of us depends. As that announcement noted, NEH pledged to pay the Society, in graduated installments over a four-year period, a total of \$125,000, dependent upon our ability to match these funds on a four-to-one basis. That is, in order to receive the full sum of this grant, the Society has to raise (by the end of July 2007) a total of \$500,000. (No wonder NEH calls such awards Challenge Grants!) The total amount received – up to the maximum of \$625,000 – will be set aside as an HSS Bibliographer's Fund, an endowment whose income will pay the salary of the Society's half-time Bibliographer, currently Stephen P. Weldon of the University of Oklahoma.

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Moving?

Please notify both the HSS Executive Office and the University of Chicago Press at the above addresses.

HSS Newsletter

Editorial Policies, Advertising, and Submissions

The *History of Science Society Newsletter* is published in January, April, July, and October, and sent to all individual members of the Society; those who reside outside of North America pay an additional \$5 annually to cover a portion of airmail charges. The Newsletter is available to non-members and institutions for \$25 a year.

The *Newsletter* is edited and desktop published in the Executive Office on an Apple system using Microsoft Word and Quark. The format and editorial policies are determined by the Executive Director in consultation with the Committee on Publications. All advertising copy must be submitted in electronic form. Advertisements are accepted on a space-available basis only, and the Society reserves the right not to accept a submission. The rates are as follows: Full page (9 x 7.5"), \$400; Horizontal or Vertical Half page (4.5 x 7.5"), \$220; Quarter page (3 x 5"), \$110. The deadline for insertion orders and camera-ready copy is six weeks prior to the month of publication (e. g., 20 November for the January Newsletter) and should be sent to the attention of the HSS Executive Office at the above address. The deadline for news, announcements, and job/fellowship/ prize listings is firm: The first of the month prior to the month of publication. Long items (feature stories) should be submitted six weeks prior to the month of publication as email file attachments or on a 3.5" disk (along with a hard copy). Please send all material to the attention of Michal Meyer at the HSS address above (email or disk appreciated).

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SuperShuttle

Fares To/From Hyatt, Radisson, Downtown Hotels
 Regular fare is \$10.00 per person one way or \$18.00 roundtrip.
 We offer a special \$8.50 fare for members of the History of Science Society.
 Ticket at airport counter to use coupon. If you arrive and for some reason
 the counter is not staffed there will be a courtesy phone to our dispatcher. Let him know
 you have \$1 of roundtrip coupon and he will approve you getting \$8.50 to the driver
 each way and deduct your roundtrip amount, one to \$16.00.



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 Signature: _____
 Date of Travel: _____
 Home ZIP Code: _____ Ph #: _____

History of Science Society

\$1.00 OFF Roundtrip

Coupon valid in Austin, TX for regularly priced shared-ride
 roundtrip service. Coupon valid for travel November 16-22, 2004.

QUICK ★ SAFE ★ AFFORDABLE

When you arrive at Austin-Bergstrom International Airport follow signs from the baggage claim area to the
 SuperShuttle ticket counter (near baggage carousel 1 next to Thrifty). No reservation is needed. Present your
 coupon before you purchase your ticket. One coupon per guest per roundtrip. Schedule your return reservation from
 the airport ticket counter or later by calling 512-929-3900 ext. 3. 24-hour advance notice is recommended. Service
 is available 24-hours a day. Pay with cash or credit card.

****Important: Driver: If ticket counter is not open when guest arrives, give roundtrip receipt and charge guest \$8.50, tell guest to show
 receipt to return driver so they can get \$8.50 fare as well. On receipt note \$1 off roundtrip coupon and put a star by the fare of
 \$8.50. Thank you.**

SuperShuttle

www.supershuttle.com

(Continued from p.1)

The HSS Bibliographer creates the *Current Bibliography*, which in turn provides many of the entries comprising the on-line HST Database, and thus serves all HSS members and many others. The retirement of John Neu who, as a volunteer, produced the *CB* for over 30 years, precipitated the move to endow the position. This account reports on the Society's fundraising successes to date, and reminds our members how far we still have to go to meet NEH's challenge.

The terms of the grant call for the Society to raise at least \$50,000 by the end of July 2004 and – due to significant efforts on the part of many individuals – we've long since met that intermediate goal. (The report on page 16 lists all individual and foundation donations and pledges to the Bibliographer's Fund received to date.) Perhaps most notably, in response to a call issued last December by then-president John W. Servos, the Society's past and current officers created (as part of the Bibliographer's Fund) an Officers' Incentive Fund, designed to set an example that HSS members and others could follow. Unfortunately, NEH regulations prevent this fund from acting as a formal challenge fund that could match contributions from others. But those who established it hope that it will serve as an informal challenge to others, and as of 26

May it had attracted \$11,751.50 in donations and another \$10,150 in pledges. It also enables the Society to provide evidence – which private foundations and other prospective major donors always call for – of the membership's own commitment to the Society's goals.

Other individuals have also risen to the NEH's challenge and have made significant donations and pledges. To date, these total over \$10,000, as many HSS members – including many who had not previously supported the Society – and several non-members have responded generously. Our personal appeals readily convinced these new donors and non-members just how important our bibliographies are to so many different users, and we now hope to reach many more such individuals. In addition, several members – all alumni of Case Western Reserve University, and its predecessor, Case Institute of Technology – made their donations and pledges in honor of their major professor, Robert E. Schofield. These contributions now total \$2,700, as their donors seek to recognize the mentor who first introduced them to research using the Society's bibliographies. These donors also hope that alumni of other major programs in our field will soon emulate their efforts.

Of course, the Society must look to major foundations for significant donations to the Bibliographer's

Fund, and our current officers and members of the HSS Development Committee have already met with program officers at several of these foundations, and with other prospective major donors. These meetings emphasize both our members' reliance on these bibliographies and the wide variety of other groups – working scientists, general historians, school teachers, science journalists, policy makers, popular science writers, and others – who use these resources on a daily basis. Such discussions will of course continue until we've finally met the NEH Challenge.

One foundation that has already committed itself to donate \$30,000 to the Bibliographer's Fund is the Gladys Krieble Delmas Foundation, well known to scholars for its grants for individual research in Venice and the Veneto. The Foundation also funds large-scale projects through its programs in the Humanities and at Research Libraries, and these have

supported such significant activities as the National Humanities Center's Fellowships Program, and the completion of the *Dictionary of American Regional English*. The two Delmas Foundation programs have jointly funded the Foundation's grant to the Society, thus testifying to our bibliographies' importance to a wide range of audiences and users.

The Laurence S. Rockefeller Fund has also responded positively to our appeal. Even as the Fund's Trustees noted that “the mission of the Society does not fall within the parameters of Mr. Rockefeller's current philanthropic program,” they “recognize[d] that the Society plays an important role in providing a bridge between the study of science and the humanities,” and thus provided an especially welcome grant of \$5,000. This grant derived from the focused efforts of one member of the Society's Development Committee, and we all hope that other HSS members will follow this individual's lead.

Quite simply, if the Society is to meet NEH's challenge and raise the \$500,000 by July 2007, more and more of our members must involve themselves in our campaign. Of course, the Society encourages individual donations – these may be made through the Society's Web site, or through the form appearing on page 17 of this issue – and we hope that the list of donors appearing in the September 2004 issue will be at least twice as long as the current one. But the Society's officers and Development Committee also look to individual members for whatever leads and advice and contacts they could provide. As noted above, several scholars and other individuals who are not members of the Society have responded most generously to personal appeals. For example, at least one non-member thanked the officer who asked him for a donation “for bringing this important endeavor to my attention” and pledged \$1,000. This incident suggests that, even though we all know the value of our bibliographies, many other potential users do not. Most likely they would appreciate introductions to the *Isis Current Bibliography* and the HST Database and at least a few might respond like the donor just cited.

Indeed, who knows how many other potential donors are out there. Please pass along any and all suggestions to (and coordinate any direct appeals with) any of the Society's current officers. The Society's Web site provides their “contact information.”

Michael M. Sokal
HSS President

Gladys Krieble Delmas
(Photo courtesy Gladys
Krieble Delmas Foundation)



Fellowships

The Radcliffe Institute for Advanced Study at Harvard University awards approximately 30 fully funded fellowships each year. Radcliffe Institute fellowships are designed to support post-doctoral scholars and scientists, as well as artists and writers of exceptional promise and demonstrated accomplishment who wish to pursue work in academic and professional fields and in the creative arts. Applicants must have received their doctorate or appropriate terminal degree by December 2003 in the area of the proposed project.

The stipend amount is \$50,000. Fellows receive office space and access to libraries and other resources of Harvard University. Residence in the Boston area and participation in the Institute community are required during the fellowship year, which extends from early September 2005, through June 30, 2006. Fellows are expected to present their work-in-progress and to attend other fellows' events.

For more information, visit our Web site at www.radcliffe.edu. For an application, contact: Radcliffe Application Office, 34 Concord Avenue, Cambridge, MA 02138 · phone: 617-496-1324 · fax: 617-495-8136 · email: fellowships@radcliffe.edu

Applications must be postmarked by October 1, 2004.



RADCLIFFE INSTITUTE FOR ADVANCED STUDY
HARVARD UNIVERSITY

News and Inquiries

The Seven Pines Symposium

The Seven Pines Symposium is dedicated to bringing leading historians, philosophers, and physicists together for several days in a collaborative effort to probe and clarify significant foundational issues in physics.

The eighth annual Seven Pines Symposium was held from May 5-9, 2004, on the subject, "Quantum Mechanics, Quantum Information, and Quantum Computation." It was held in the Outing Lodge at Pine Point near Stillwater, Minnesota, a beautiful facility surrounded by spacious grounds with many trails for hiking and bird-watching. Twenty-two prominent historians, philosophers, and physicists were invited to participate in this year's symposium. Each day the speakers set the stage for the discussions by addressing major historical, philosophical, and physical issues. The morning of Thursday, May 6, was devoted to the general topic of "The Copenhagen Spirit," with Michel Janssen (Minnesota) speaking on "Quantum Dialogues, 1925-1927" and Don Howard (Notre Dame) speaking on "Quantum Dialogues, 1955-1960." That afternoon the general topic was "Interpretations of Quantum Mechanics," with Geoffrey Hellman (Minnesota) and Jeffrey Bub (Maryland) speaking on "Major Interpretive Issues" and James B. Hartle (UC Santa Barbara) speaking on "Decoherent Histories." Friday morning was devoted to the general topic of "Computability and Computational Complexity," with Itamar Pitowsky (Hebrew University) speaking on "Turing and Other Concepts of Computing" and Gregory J. Chaitin (IBM) speaking on "Computational Complexity Theory." That afternoon the topic was "Quantum Information," with Charles H. Bennett (IBM) speaking on "Introduction to Quantum Information" and Christopher A. Fuchs (Bell Labs) speaking on "Quantum Mechanics from Information Theory." The morning and afternoon of Saturday, May 8, was devoted to the general topic of "Quantum Communication and Computation," with Markus Aspelmeyer (Vienna) speaking on "Teleportation," John P. Preskill (Caltech) speaking on "Introduction to Quantum Information Science," William G. Unruh (British Columbia) speaking on "What is Quantum about Quantum Computing?" and Gerard J. Milburn (Queensland) speaking on "Realizability." Before dinner on Friday, May 7, Alan E. Shapiro (Minnesota) also spoke on "Newton Writes his *Opticks*: On the 300th Anniversary of its Publication."

The ninth annual Seven Pines Symposium will be held from May 4-8, 2005, on the subject, "The Classical-Quantum Borderlands."

In Memoriam

David K. van Keuren was struck and killed in a traffic accident in Washington DC this past March. Described as a big-hearted man with a big laugh, van Keuren graduated from the University of Pennsylvania with a Ph.D. in the history of science. He had worked as a historian at the Naval Research Lab in Washington since 1986. His latest book, "The Machine in Neptune's Garden: Historical Perspectives on Technology and the Marine Environment," co-edited with Helen Rozwadowski, was published shortly after his death.

History of Medicine in the North of England

With the support of a £325,000 Wellcome Trust Enhancement Award, the Centre for the History of Medicine and Disease at the University of Durham and the medical historians at the University of Newcastle have formed a joint new center for the history of medicine. The activities of the new center comprise a co-ordinated research program, a Masters' training program in the History of Medicine, a number of Ph.D. projects, a series of seminars, workshops and conferences, teaching initiatives within the medical curriculum, and a series of public-engagement activities.

Lone Star Historians of Science



(Elizabeth Green Musselman, Ludy Benjamin, Karl Stephan, Rubén Martínez, Bruce Hunt, Anna Fay Williams, Tom Williams, Victoria Sharpe, Steve Kirkpatrick, Xaq Frohlich, Niles Illich, Anthony Stranges)

The Lone Star History of Science Group held its seventeenth annual meeting on 2 April 2004 high atop the Rudder Tower at Texas A&M University in College Station. The host for this year's meeting was Professor Anthony Stranges, and the speaker was Professor Ludy Benjamin of the Texas A&M Department of Psychology. Professor Benjamin gave a very interesting and well-illustrated talk about "Harry Hollingworth and the Shame of Applied Psychology," reviewing the important work of one of the leading American psychologists of the first half of the twentieth century and analyzing Hollingworth's professed ambivalence toward his contributions to applied psychology.

After Professor Benjamin's stimulating talk and some lively discussion, the group moved to an adjoining dining room in the Rudder Tower, where everyone enjoyed dinner and further conversation, as well as expansive views of the Brazos Valley.

Each spring, the Lone Star Group draws together historians of science, technology, and medicine from around Texas and the Southwest to discuss their shared interests and enjoy a friendly dinner. In keeping with its constitution, which provides that there shall be "no officers, no by-laws, and no dues," the group remains resolutely informal.

Members of the Lone Star Group plan to get together (informally, of course) at the annual HSS meeting in Austin in November. The next regular Lone Star meeting will be at the University of Texas at Austin in April 2005. Anyone interested in attending either gathering should contact Prof. Bruce Hunt at the History Department, University of Texas, Austin, TX 78712, or by e-mail at bjhunt@mail.utexas.edu.

Transfer of Medical Archives

Following the closure of Community Health Councils (CHCs) and ACHCEW in December 2003, major archives representing 30 years outstanding patient and public involvement work have been transferred to three libraries. These are the Wellcome Trust, the London Metropolitan Library, and Oxford Brookes University.

Thompson's Research Spawns Opera

Emily Thompson's article, "Machines, Music, and the Quest for Fidelity: Marketing the Edison Phonograph in America, 1877-1925," which appeared in

Musical Quarterly in 1995, inspired musician Nick Brooke to compose an opera. "Tone Test," a spoken and sung opera for two performers and a phonograph, will have its world premiere this summer in New York at the Lincoln Center Festival.

New Edition of Greene Book

A new paperback edition of John C. Greene's **American Science in the Age of Jefferson** is being published by Regina Books, P. O. Box 280, Claremont, CA 91711. Composed at the Iowa State University Press, Ames, Iowa 50010. First edition, 1984. Second printing, 2004.

CFP: Foucault Studies

A new electronic, refereed, international journal titled *Foucault Studies* is coming soon. The first issue will be published in November 2004. Submissions are welcomed. Full details of the journal can be found online at <http://www.foucault-studies.com/>.

Call for Papers: ISIS

ISIS, now under the editorial leadership of Bernard Lightman, of York University in Toronto, is actively seeking original submissions. Lightman and his fellow editors are working to preserve and enhance *ISIS*'s reputation as the most prestigious forum for articles in the history of science. *ISIS* will continue to serve as a journal where scholars receive high-quality feedback on their work. The editors of *ISIS* seek articles that will take the lead in shaping the field through proactive discussion on emerging and provocative developments in all areas of the history of science. Since its inception in 1912, *ISIS* has featured scholarly articles on the history of science, medicine, and technology, and their cultural influences. Review essays and book reviews on new publications in the field are also included. An official publication of the History of Science Society, it is the oldest (and most widely circulating) English-language journal in the field.

History of Medicine Syllabus Archive

The History of Medicine Division of the National Library of Medicine is pleased to announce the launch of its Online Syllabus Archive. The Archive aims to provide both an online syllabus exchange and a historical record of teaching in the history of medicine at <http://www.nlm.nih.gov/hmd/syllabi/index.html>. The Online Syllabus Archive welcomes new syllabi from anywhere in the world, in any language, and on any subject in the history of medicine, public health, nursing and related areas. Syllabi should be of college or university level. For details on submissions, see <http://www.nlm.nih.gov/hmd/syllabi/send.html>.

Web-based Resources for History of Science

A web-based list of sources, museums, and publications on the history of science, technology, and medicine has been created by the Bibliotheque nationale de France. The coverage is mainly French, and after that European, but extends to American and Latin American as well. <http://www.bnf.fr/pages/liens/d3/histsciences-d3.html#Histoireinstitut>.

Program for "Critical Perspectives" Meeting Available Online

The Final Program for the "Critical Perspectives" meeting of the International Commission on History of Meteorology in Polling, Germany, 5-9 July 2004 is now available as a PDF file at the Web-site <http://www.meteohistory.org>.

In Memoriam

Former HSS Editor and President Robert P. Multhauf, 84, died of cardiopulmonary arrest on May 8 at his home in California. Dr. Multhauf was editor of *ISIS* from 1964 to 1978, president of the Society for the History of Technology from 1969 to 1970, and president of the HSS from 1979 to 1980. Dr. Multhauf graduated from Iowa State College in 1941 and worked as a chemist before turning to history. He received his Ph.D. in the history of medieval chemistry in 1953 from the University of California at Berkeley. Dr. Multhauf joined the Smithsonian Institution in 1955 and later served as the director of the Museum of History and Technology. His published works include *Neptune's Gift: A History of Common Salt*.

HSS Statement on Evolution

The HSS Statement on Evolution is now available in an easy-printing format and includes links to the AAAS that contain useful information on evolution. To view the statement, go to http://www.hssonline.org/society/about/mf_about.html.

History of Telecommunications Conference in 2005

By Christopher Chilvers

In conjunction with the Connected Earth Partnership, a consortium of British museums with an interest in telecommunications, I am seeking to organize an academic conference on the history of telecommunications to take place in the second half of 2005. As Research Fellow for the Partnership my remit is to stimulate, augment, and articulate scholarly research in the field. The Science Museum is keen to organize and host the conference, projected to last for three days. Themes considered include communications and the shifting loci of social power; the automation; analog, and digital revolutions; communications and empire; military power and technology transfer; the rise of satellite and mobile phone technologies; and material collections of telecommunications history. Other relevant histories may augment these categories. The conference proposal is at a preliminary stage and we would welcome your thoughts on its feasibility, your possible participation, and a suitable date. Once there is a clearer idea of likely participating organizations, we shall form a steering committee to start precise planning and to seek sponsorship. We are eager to gather support and expertise that can widen the appeal of the conference in the history of science and technology field. Please contact me as soon as possible for further information and with any suggestions you may have for development of the proposal: christopher.chilvers@nmsi.ac.uk, BT Connected Earth Senior Research Fellow, Science Museum, Exhibition Road, London SW7 2DD, UK.

The HBCU Initiative: An Update

The April 2003 *Newsletter* reported on an exciting initiative in the history of science directed by HSS members Keith Benson (National Science Foundation) and Evelyn Hammonds (Harvard University). Drawing on the generous support of the Dibner Fund and the National Science Foundation (SES 0342327), Benson and Hammonds have met with numerous members of Historically Black Colleges and Universities (HBCUs) so as to uncover ways that the history of science can be introduced into these schools. The goal has been to develop and disseminate STS scholarship that motivates underrepresented groups to become science, engineering, and science and technology studies professionals and to enable all groups to value the contributions of underrepresented groups to science and technology.

(Continued on p. 7)

Faces of the Media: National Public Radio's Ira Flatow

By Michal Meyer

Few people are paid to converse. Even fewer are paid to converse with scientists. Ira Flatow, host of National Public Radio's science program *Talk of the Nation: Science Friday*, is paid to chat with – and challenge – scientists. “I like the idea that we can prod them and needle them and see how they react. I'm trying to have a conversation, not an interview. I picture us having a cup of coffee or beer and shooting the breeze about what they're doing.”

It all began in high school, when Flatow discovered the theater. It allowed him to abandon his studious math and physics persona and act out a little, a role he continues to enjoy on his show. Though Flatow does much more than host a radio show – he writes books and articles and is involved in producing science shows for television – the radio program remains his favorite.

A native New Yorker, Flatow studied engineering in the late Sixties. During that time he joined the technical side of public radio at WBFO-FM/Buffalo, what Flatow calls “working the dials.” His thespian talents soon came in handy. “They wanted to beef up the news department – the anti-Vietnam War demonstrations were heating up and they needed more reporters to cover them. So they threw a tape recorder at me.” Flatow launched his science journalism career in 1970, when he reported on the first Earth Day. That year his boss, Bill Siemerling, moved to Washington to start National Public Radio, where he created the show *All Things Considered*. Flatow soon talked his ex-boss into giving him a job as a science correspondent and was there when the show first went on air in May 1971. That first decade in Washington was tremendously exciting. There was Nixon and Watergate, the space race, Three-Mile Island, and an environmental movement that was beginning to make an impact.

As host and executive producer of *Talk of the Nation: Science Friday* since 1991, Flatow has a team of helpers. There are story meetings every week with his three producers, though Flatow is the final arbiter as to what is covered that week. He and his producers gather research and ideas from jour-

nals, magazines, and from keeping their collective fingertips on the scientific pulse.

Whereas *Science Friday* covers ideas about space and time, Flatow says the show prides itself as much or more on its medical stories – such as stem-cell research and cloning. Fast-moving discoveries in such fields means that a vital part of the show is in keeping its audience up to date on how the science is changing.

The audience is wide ranging, says Flatow, and runs from Nobel Prize winners to people who take tickets in underground garages. Of the three million or so people who listen weekly to *Talk of the Nation*, over half that number listen to *Science Friday*. And at least half of those are women, perhaps, believes Flatow, due to the medical topics covered.

Any time Flatow can find an excuse to discuss history of science he will. “I like going back in time and discovering how other people got us here.” Just as important is showing that science does not work in a vacuum and that scientists are not all-knowing. This year his show has covered world fairs of the past and the Lewis and Clark expedition. But his personal scientific favorite comes from physics. “What the heck is dark energy? To me, the historical side of the question goes back to Einstein, when he was composing the theory of relativity and trying to figure out the shape of the universe, and put in the cosmological constant. It's better than science fiction.”

Flatow says his biggest on-the-job challenge is making some of the more esoteric physics palatable. “Like string theory. Why should we care about some of these things?” Flatow is so interested in his subject that it occasionally comes as a surprise to find people who are not. “I had a discussion the other day with someone who couldn't understand what was so fascinating about the universe. He said ‘I don't care about that.’ You can't change some people's minds, but others you can interest. The great challenge is to

Photo courtesy Ira Flatow



bring a topic to the level of listeners but not water it down so much that you lose the beauty and the detail.” Anchoring science in the story is hard work. Flatow tries to avoid lecture-type talks on his show. “We want an explanation, without losing the meat of the science. But because it's radio, once it's gone you can't turn the page back and reread a paragraph. So we have to set our sights a little lower than might be the case in newspapers or magazines. We try to start the discussion; sometimes we can't finish as much as we'd like to.”

One of the advantages of having spent almost 35 years in the business, is the reputation Flatow has built up with scientists. The long-format program also means scientists have plenty of time to express themselves. “They don't feel burned – they know we do serious science.” Sometimes too serious. During one show, in the early days of the program, a scientist was discussing his theory of dinosaur extinctions. Another scientist, with a different theory, called to disagree. It led to what Flatow calls a frank exchange of views, often way above the audience's head. “It's a chance you take when scientists start to talk shop. I wish I had a buzzer to ring.” Instead of buzzing his scientists, Flatow cuts them off and asks them to explain themselves. Incidents like that have had unexpected repercussions. A few years later a writer of textbooks for those learning English as a second language called; she wanted transcripts of *Science Friday*. Flatow was flattered that his show would be used as a vehicle for teaching English, but was taken aback when told that it was his ability to cut people off rather than the science that was valued. He was to be used as an example of the polite interruption. “It was my contribution to internation-

al tranquility," he says wryly.

For Flatow, it's all about story telling. There needs to be a great mystery or a human-interest story. To tell a good story, science writers must be detectives. "If you get people interested in the personalities then the science and history will come with it." And even though science is filled with fascinating stories, Flatow sadly reports that science writing is the step child of the journalism family – fewer journalists are to be found in science and newspaper budget cuts tend to hit there first. But despite its lowly status science journalism does have something to teach about getting the facts of the story. "Science journalists depend on data; we say show us the research, the papers, the facts you use to back up your claim. You don't ever hear that question being asked [elsewhere] in journalism."

As in all journalism, deadlines are unbreakable, though Flatow does give the concept a twist. "The deadline doesn't happen until the show is over. Success is how much we engage the audience, and we don't know that until we're doing it. The ideal is to have a 'driveway moment.'" These moments hit when listeners arrive at their destination but are too caught up in the program to leave their cars. "We aim for those moments when we have people sitting in driveways all over the country."

Though one of the few improvements Flatow would like to make in his working life is to move it to Hawaii, his favorite spot remains the South Pole. He has kept a photo of an interview he conducted with penguins and says he now never travels anywhere without an extra set of warm clothing. He likes to approach his subject in unexpected ways and has won awards for his ability to tackle tough subjects and make them intelligible to the public. In the late Seventies he did a story on things that glow under pressure and ended the program by chewing on Wint-O-Green Lifesavers in a dark closet. "I got more mail on that piece than on anything else I did in the next ten years. It's because I found a different way [to approach it]; if I had said I would talk about triboluminescence the dials would have turned off."

At the moment Flatow is working on the intersection between science and politics in global warming and air pollution.

Despite his many years on the job, Flatow has retained a sense of wonder at the universe. He is fascinated by the ideas lurking behind the public face of science. Ideas that take him deep into theoretical physics or to an awareness of himself as a tiny speck walking down an 800-mile glacier on a continent that hides most of the world's fresh water. "It's constantly a learning experience; new things that explain how the world works," he says.

(Continued from p. 5)

Efforts to reach this goal have included fall and summer workshops, countless e-mail messages, site visits, and many other strategies for creating partnerships with HBCUs. These discussions have focused on several objectives: teaching the history of science within a liberal-arts curriculum, adding a history-of-science component to curricula at HBCU, and designing a proposal for funding to realize these objectives.

The success of these meetings has been due both to the leadership offered by Benson and Hammonds and to the appreciation by HBCU scholars of what history of science can accomplish in the curricular offerings of their institutions. Additionally, any success stems from the commitment of history-of-science scholars who realize that one way to create the needed diversity in our community is to reach out to HBCU colleagues who have not been previously

exposed to the history of science. Together, these colleagues have pledged to commit their energies to this diversity and to the enrichment of the profession.

After some two years of meetings, discussions, and debates, the HBCU group, now comprised of six institutions, has produced a grant application to NSF to introduce STS into their curricula. The grant requests \$500,000 for three years, and it will be funded with base funding from NSF's Science and Technology Studies Program (up to \$300,000 for three years) in addition to support from other programs in NSF. This funding will enable these colleges and universities to follow up on the many ideas and goals that have been generated, with the expected outcome being more HBCU professors using science and technology studies in their courses, more science teachers being trained in the history of science, more persons of color in the discipline, and, finally, more nuanced views of the history of science.



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Grants, Fellowships, and Prizes

The following announcements have been edited for space. For full descriptions and for the latest announcements, please visit our Web site (<http://www.hssonline.org>). The Society does not assume responsibility for the accuracy of any item, and potential applicants should verify all details, especially closing dates, with the organization or foundation of interest. Those who wish to publish a grant, fellowship, or prize announcement should send an electronic version of the posting to newsletter@hssonline.org.

IEEE Life Members' Prize in Electrical History

The IEEE Life Members' Prize in Electrical History is administered by the **Society for the History of Technology**. The prize recognizes the best paper in electrical history published during the previous year. Any historical paper published in a learned journal or magazine is eligible if it treats the art or engineering aspects of electrotechnology and its practitioners. Electrotechnology encompasses power, electronics, telecommunications, and computer science. The prize consists of a cash award of \$500 and a certificate. The committee invites submissions for the 2004 prize which will be presented at the Society's annual meeting in Amsterdam 7-10 October, 2004. For more information, contact: Amy Bix, SHOT Secretary, 603 Ross Hall, History Department, Iowa State University, Ames, IA 50011. Fax: 515-294-6390; tel: 515-294-8469; e-mail: shot@iastate.edu.

The Victor and Joy Wouk Grant-in-Aid Program

California Institute of Technology Grants-in-Aid offers research assistance of up to \$2000 for work in the Papers of Victor Wouk in the Caltech Archives. The Maurice A. Biot Archives Fund and other designated funds offer research assistance up to \$1500 to use the collections of the Caltech Archives. For all funds, applications will be accepted from students – working towards a graduate degree – or from established scholars. For further information on holdings and online resources, please consult the Archives' Web page: <http://archives.caltech.edu>. Applications will be reviewed quarterly: on January 1, April 1, July 1 and October 1 of each year.

Andrew W. Mellon Travel Fellowship Program

The University of Oklahoma announces the Andrew W. Mellon Travel Fellowship Program for visitors to make use of the History of Science Collections. Proposals from scholars at both predoctoral and postdoctoral levels will be evaluated continuously upon receipt, and funds awarded shortly after the decision is made. For information, please contact: University of Oklahoma, The Andrew W. Mellon Travel Fellowship Program, Bizzell Library, 401 West Brooks, Room 521, Norman, OK 73019-0528. E-mail: kmagruder@ou.edu or mogilvie@ou.edu. Web site: libraries.ou.edu/etc/histsci/mellon.asp.

Franklin Research Grants

The **American Philosophical Society** invites applications for the Franklin Research Grant. Applicants are normally expected to have a doctorate, or to have published work of doctoral character and quality. Pre-doctoral students are not eligible, but the APS is especially interested in supporting the work of young scholars who have recently received the doctorate. The program does not accept proposals in journalistic writing; for the preparation of textbooks, or teaching aids; or the work of creative and performing artists. Maximum award: \$6000. Deadlines: October 1, December 1. Decisions are reached in late January and in March. Questions concerning the eligibility of a project or the use of funds are accepted at (215) 440-3429, via email to

eroach@amphilsoc.org, or in writing to Franklin Research Grants, American Philosophical Society, 104 South 5th Street, Philadelphia, PA 19106.

2005 DHS Prize for Young Scholars

The International Union of the History and Philosophy of

Science, Division of History of Science (IUHPS/DHS) invites submissions for the first DHS Prize for Young Scholars to be presented in 2005. The DHS's Zous Prize is awarded by IUHPS/DHS every four years to four young historians of science for their successful doctoral dissertations, completed after July 2001, which represent significant contributions to the history of science. It is distributed as one prize in each of the following fields of focus: Western civilization, Islamic civilization, Far Eastern civilization, South Asian civilization, and Ancient civilizations (not included in the above categories). Each prize consists of a certificate and coverage of travel and accommodation expenditures for participation in the IUHPS/DHS Congress. The prizes will be presented to their winners during the IUHPS/DHS Congress to be held in July 2005. Applicants must have a doctorate degree on the subject of history of science, awarded in or after July 2001. Applications must be submitted to the Office of the DHS President, to be received by 31 August 2004. For information, applications and submissions, please write to: IUHPS/DHS President's Office (Prof. Dr. E. Ihsanoglu), P. O. Box 24, Besiktas, 80692 Istanbul, Turkey; Fax: 90-212-258 43 65/ Tel: 90-212-260 07 17/; e-mail: ircica@superonline.com.

The Annals of Science Prize

Submissions are invited for the **Annals of Science** Prize for the 2004 competition. This prize is offered every two years to the author of an original unpublished essay in the history of science or technology, which is not under consideration for publication elsewhere. The prize, supported by **Taylor and Francis**, is intended for those who have been awarded their doctorate within the past four years, and for doctoral students. Essays should be submitted to the Editor in a form suitable for publication in *Annals of Science* (the journal's style guide may be viewed at <http://www.tandf.co.uk/>), and may be in English, French, or German. Essays should be between 6,000 and 9,000 words in length, including footnotes. The winning essay will be published in the journal, and its author will be awarded US\$500. Papers should be submitted by 1 September 2004, and the winner will be notified by 31 December.

Zhu Kezhen Awards

The International Society for the History of East Asian Science, Technology, and Medicine (ISHEASTM) would like to solicit nominations for the Zhu Kezhen awards. It is the highest honor awarded by the ISHEASTM for an essay of original scholarship in the history of science, technology, and medicine in East Asia. The two Zhu Kezhen Junior Awards are awarded for an essay written by a junior scholar in the history of science, technology, and medicine in East Asia. All three prizes are awarded once every three years at the plenary conference of the ISHEASTM. Members may nominate their own essays. Essays in English, Chinese,

Japanese, Korean, or Vietnamese published less than four years prior to the deadline for nomination will be considered. Essays in other Asian languages will be considered if accompanied by an English language translation. For the Zhu Kezhen Junior Award, the author should be a graduate student or a scholar who received his/her doctoral degree less than five years prior to the deadline for nomination. Nominations, accompanied by a copy of the nominated essay, should be submitted to the Zhu Kezhen Award Committee. It is advised that all essays in East Asian languages should be accompanied by an English translation. The deadline for acceptance of submissions is September 30, 2004. All nominations should be sent to the Zhu Kezhen Award Committee Secretary: Dr. Sun Xiaochun, Institute for the History of Natural Science, Chinese Academy of Sciences, 137 Chao Nei Street, Beijing 100010, China. An electronic version is welcome and one hard copy of the offprint is required.

Call for Nominations for the Edelstein Award for 2005

The Division of the History of Chemistry (HIST) of the **American Chemical Society (ACS)** solicits nominations for the 2005 Sidney M. Edelstein Award for Outstanding Achievements in the History of Chemistry. The Edelstein Award is sponsored by Ruth Edelstein Barish and Family, and is administered by HIST. The winner is presented with an engraved plaque and the sum of \$3500. The award is international in scope, and nominations are welcome from anywhere in the world. Details may be found on the HIST web site, <http://www.scs.uiuc.edu/~mainzv/HIST/>. Each nomination should consist of: a complete c.v. for the nominee, including biographical data, education, publications, presentations, awards, honors, and other services to the profession; a letter of nomination, which summarizes the nominee's achievements in the field of history of chemistry, and cites his or her contributions that merit a major award; and at least two seconding letters. Copies of no more than three publications may also be included. All nominations should be sent in triplicate to Professor Alan Rocke, Chair, Edelstein Award Committee for 2005, History Department, Case Western Reserve University, Cleveland, OH 44106, U.S.A. (email alan.rocke@case.edu), for arrival no later than 31 December 2004.

Memberships in the School of Historical Studies

The School of Historical Studies at the Institute for Advanced Study, Princeton, New Jersey, supports scholarship in all fields of historical research, but is concerned principally with the history of Western, Near Eastern and Far Eastern civilizations, with particular emphasis upon Greek and Roman civilization, the history of Europe (medieval, early modern, and modern), the Islamic world, East Asian studies, the history of art, and modern international relations. Qualified candidates of any nationality are invited to apply for memberships. Residence in Princeton during term time is required. The only other obligation of Members is to pursue their own research. Approximately forty Members are appointed for either one or two terms each year. The Ph.D. (or equivalent) and substantial publications are required of all candidates at the time of application. Application may be made for one or two terms (September to December, January to April). Further information and application materials are on the School's Web site, www.hs.ias.edu. Completed applications must be returned to the Administrative Officer by 15 November 2004.

Mellon Fellowships for assistant professors are also offered each year to two qualified assistant professors. These full-year memberships are designed specifically for assistant professors at universities and colleges in the United States and Canada to support promising young scholars who have embarked on professional careers. Applicants must have served at least two, and not more than four years as assistant professors in institutions of higher learning in the United States or Canada and must have approval to return to their institution following the period

of membership. Application materials are the same as for membership.

ACLS/Frederick Burkhardt Fellowships for recently tenured scholars. These fellowships support more wide-ranging, and longer-term patterns of research than are current in the humanities and related social sciences. Depending on the availability of funds, ACLS will provide fellowships for up to eleven recently tenured faculty, most of whom will spend a year at one of several residential research centers, including the Institute for Advanced Study. A scholar applying for the academic year 2005-2006 must normally have begun her/his tenured contract at a U.S. institution no earlier than the fall 2000 semester or quarter. Applicants must submit a research plan, typically covering a three to five year period; one of the first three years of research could be spent as a Member at the Institute, either in the School of Historical Studies or the School of Social Science. For further information: <http://www.acls.org/burkguid.htm>. Applications for this program must be submitted through the ACLS Online Fellowship Application system (OFA) no later than 9 p.m., Eastern Daylight Time, September 30, 2004. OFA is accessible at <http://ofa.acls.org>.

The BSHS Singer Prize

The Singer Prize, of up to £300, is awarded by the **BSHS** every two years to the writer of an unpublished essay based on original research into any aspect of the history of science, technology or medicine. The Prize is intended for younger scholars or recent entrants into the profession. The Prize may be awarded to the writer of one outstanding essay, or may be divided between two or more entrants. The Prize will usually be presented at the BSHS annual conference and publication in the *British Journal for the History of Science* will be at the discretion of the Editor. Essays on offer or in press will not be eligible. Candidates must be registered for a postgraduate degree or have been awarded such in the two years prior to the closing date. Entry is in no way limited to British nationals. Essays must not exceed 8,000 words (including footnotes following the style guidelines in the *British Journal for the History of Science*), must be fully documented, typewritten with double-line spacing, and submitted in English. Use of published and unpublished primary material is strongly encouraged, and full and correct use of scholarly apparatus (e.g. footnotes) is expected. Entries (3 copies, stating the number of words) should be sent to arrive not later than 15 December 2004. Essays must not bear any reference to the author, either by name or department; candidates should send a covering letter with documentation of their status and details of any publications. Entries should be sent to: BSHS Secretary, Dr. Sally Horrocks, School of Historical Studies, Leicester University, Leicester, LE1 7RH, UK. Enquiries only by e-mail to smh4@le.ac.uk. Do not send essays as e-mail attachments.

Bakken Library and Museum Research Travel Grants

The Bakken Library and Museum offers Research Travel Grants for the purpose of facilitating research in its collection of books, journals, manuscripts, prints, and instruments. Up to a maximum of \$500 (domestic) and \$750 (foreign) is available to help researchers defray the expenses of travel, subsistence, and other direct costs of conducting research at The Bakken. The minimum period of residence is one week. Application may be made anytime during the calendar year 2004 for research to be conducted during 2004. For more information and application guidelines, please contact: Elizabeth Ihrig, Librarian, Bakken Library and Museum, 3537 Zenith Avenue So., Minneapolis, MN 55416, Tel: 612-926-3878 ext. 227, Fax: (612) 927-7265; E-mail: Ihrig@thebakken.org.

(Grants, Fellowships, and Prizes continued on p.12)

Future Meetings

The following announcements have been edited for space. For full descriptions and the latest announcements, please visit our Web site (<http://www.bssonline.org>). The Society does not assume responsibility for the accuracy of any item; interested persons should verify all details. Those who wish to publish a future meeting announcement should send an electronic version of the posting to newsletter@bssonline.org.

Calls for Papers

Foundations of the Formal Sciences V: Infinite Games will take place at the Rheinische Friedrich-Wilhelms-Universität Bonn Mathematisches Institut, 26-29 November, 2004. The conference FotFS V wants to bring together researchers from the various areas that employ infinitary game techniques to talk about similarities and dissimilarities of the different approaches and develop cross-cultural bridges. We invite all researchers to submit their papers before September 15th, 2004. Topics will include Games in Algebra and Logic, Games in Higher Set Theory, Games in Set-Theoretic Topology, Infinite Games & Computer Science, Infinite Games in Philosophy, Infinite Evolutionary Games, Machine Games, Game Logics, Infinite Games in the Social Sciences. Coordinating e-mail address: fotfs@math.uni-bonn.de. Further information: <http://www.math.unibonn.de/people/fotfs/V/>.

Heritage of Technology - Gdansk Outlook 4. An International Conference will be held at Gdansk, Poland, 4-7 May, 2005. For more information, including a call for papers and other conference information, please consult the Web site: <http://hotgo4.mech.pg.gda.pl>.

Perspectives on 20th-century Pharmaceuticals will be held 14-16 July, 2005 at Oxford. The conference has two broadly-defined aims: 1) to bring together scientists, industrialists, clinicians, and historians, who share a common interest in the development of pharmaceuticals in the 20th century; 2) To contribute to a greater understanding of the history of the pharmaceutical industry in the 20th century through a multi-disciplinary approach, taking into account the different perspectives provided by health economists, sociologists, anthropologists, and historians of business, science, technology, and medicine. The deadline for submissions is 30 September 2004. Please send abstracts of up to one page to either of the co-organizers. Electronic submissions are preferred. Co-organizers: V. Quirke & J. Slinn, Centre for Health, Medicine and Society and Business School, Oxford Brookes University, Oxford, England. E-mail: vquirke@brookes.ac.uk and jaslinn@brookes.ac.uk.

History of Medicine Conference will be held at Ministère de la Recherche, Paris, France, on Wednesday, September 7th through Saturday 10th, 2005. A joint venture of the European Association for the History of Medicine and Health (its VIIth meeting) and the Society for the Social History of Medicine. For further information, see <http://www.eahmh.net/>. Any proposal of papers or posters should be accompanied by an abstract clearly describing the contents, one A4 page, no more. The abstract will be submitted as an e-mail attachment. The abstract should clearly state

the problem or questions that will be addressed in the study, the material on which it relies, the methods used, the results emerging, and there should be some lines discussing the originality and scientific relevance. Sessions which foster cross-national themes and perspectives are encouraged. Research networks of the EAHMH and Erasmus Networks, are also welcome to propose sessions. The official languages of the international sessions are English and French. All correspondence dealing with scientific presentations (papers or posters) should be directed to the organizer of the conference Prof. Patrice Bourdelais <Patrice.Bourdelais@ehess.fr> to whom the abstracts also should be submitted. Deadline for proposals, 15 November 2004.

Upcoming Conferences

From Beaufort to Bjerknes and Beyond: Critical Perspectives on Observing, Analyzing and Predicting Weather and Climate, 5-9 July 2004, Polling Monastery, Weilheim, Germany. <http://www.meteohistory.org>.

John Locke Conference will be held at Centre for Public Culture and Ideas, Brisbane, Australia, 12-14 July 2004. <http://www.griffith.edu.au/school/amc/>.

The Art of Exploration: European and American Artistic Responses to Exploration, 1750-1860. National Maritime Museum, Greenwich, 14-16 July, 2004. <http://www.nmm.ac.uk/conferences/>.

Popular Science: Nineteenth-century Sites and Experiences. York University, Toronto, 2-3 August, 2004. <http://www.yorku.ca/popsci/>.

The 10th International Conference on the History of Science in China will be held at Harbin Institute of Technology (HIT) from 4 to 7 August 2004. Theme is "Multiaspect Studies on the History of Science, Technology and Medicine in China."

Fifth British-North American Joint Meeting of the BSHS, CSHPS, and HSS, 5-7 August 2004, Halifax, Nova Scotia, Canada. Theme: "Circulating Knowledge."

Gordon Research Conference on Science and Technology Policy, 15-20 August, 2004, Big Sky, Montana. <http://www.grc.org/programs/2004/policy.htm>.

The International Committee for the History of Technology will hold its 31st Symposium at Bochum, Germany, 17-21 August, 2004. <http://www.icohtec.org>.

4S/EASST Conference: "Public Proofs – Science, Technology and Democracy," Paris, August 25-28, 2004.

Matthew Fontaine Maury Workshop in the History of Oceanography: The History of Polar Oceanography, Barrow, Alaska, 1-3 September, 2004.

Eighteenth-Century European Thought and the Nature-Culture Problem in Advanced Techno-Scientific Societies, 1-4 September 2004, Hotel Vuoranta (Baltic Sea coast near Helsinki).

The 39th International Congress on the History of Medicine, Bari, Italy, 5-10 September 2004. <http://www.39ishmcongress2004.it>.

Agricultural History Symposium, Cornell, September 9-11, 2004. Inquiries to: Prof. Margaret W. Rossiter at mwr4@cornell.edu.

Spain and the Pacific World, Maritime Museum of San Diego Library, San Diego, CA, 24-26 September, 2004.

Mysticism and Religious Experience: The Imaginal Cosmos. University of Kent at Canterbury, 2-3 October 2004. <http://www.kent.ac.uk/secl/thrs/divconference/index.html>.

The Society for the History of Technology will hold its annual meeting in Amsterdam, 7-10 October, 2004.

Alexander von Humboldt: From the Americas to the Cosmos. The conference will be held at the Graduate Center of the City University of New York, 14-16 October, 2004. <http://www.humboldtconference.org>.

The National Coalition of Independent Scholars will hold a conference in New York City, 15-17 October, 2004. <http://www.ncis.org/>.

Intelligentsia: Russian and Soviet Science on the World Stage, 1860-1960. 29-31 October 2004, University of Georgia, Athens, GA.

Health and Medicine in the U.S. in the Era of Lewis and Clark, The Wood Institute for the History of Medicine at the College of Physicians of Philadelphia, 4-6 November 2004.

Science in Europe – Europe in Science:1500-2000. An international conference will be held in Maastricht (the Netherlands), 4-6 November 2004. <http://www.gewina.nl/>.

Second National Meeting of the American Society for Matrix Biology, 10-13 November, 2004, Manchester Grand Hyatt, San Diego, CA. <http://www.asmb.net/>.

American Studies Association Annual Meeting will be held at Atlanta, 11-14 November, 2004. The topic will be "Plugging in, Greening America: Technological and Environmental Utopianism."

2004 PSA Biennial Meeting: The Philosophy of Science Association will hold its joint meeting with the HSS in Austin, Texas, 18-21 November, 2004. The meeting will be held at the Austin Radisson, which is located just across the bridge from the Hyatt, site of the History of Science Society meeting. Web site: <http://www.temple.edu/psa2004/>.

HSS Annual Meeting. The History of Science Society will convene in Austin, Texas for its 2004 meeting, 18-21 November, at the Hyatt Regency.

The National Academies Keck Futures Initiative will host a conference on **nanoscience and nanotechnology**, 19-21 November, in Irvine, Calif. <http://www.nationalacademies.org/keck/>.

Biblical Exegesis and the Emergence of Science in the Early Modern Era. Birkbeck College, University of London, 27 November 2004.

The Nineteenth Barnard Medieval and Renaissance Conference on "Medicine Across Cultures: 600-1600" will be held 4 December, 2004.

epiSTEME – 1. An international conference to review research on Science, Technology and Mathematics Education will be held at the International Centre, Dona Paula, Goa, India, 13-17 December, 2004.

Society for Ancient Medicine will hold a conference on "Theories of Fetal Development in the Ancient World" at the Boston meeting of American Philological Association, 6-9 January, 2005, <http://www.apaclassics.org/>.

International workshop: "**A Cultural History of Heredity III: Nineteenth to Early Twentieth Centuries**" will be held at the Max Planck Institute for the History of Science, Berlin, 13-16 January, 2005.

The **Third International ESEH Conference** will take place 16-19 February, 2005, in Florence, Italy. The theme of the conference is "History and Sustainability." <http://www.eseh-2005.unifi.it/>.

The 20th International Congress of Historical Sciences will take place at the University of New South Wales on 3-9 July, 2005. Contact details: cish2005@incompass.com.au.

The Atomic Bomb and American Society. The three-day conference will be held July 15-17, 2005 at Oak Ridge, Tennessee.

22nd International Congress of History of Science Conference will be held in Beijing from July 24 to 30, 2005. <http://2005bj.ihns.ac.cn/>.

2004 Gutenberg-e Prize for History

The American Historical Association, Columbia University Press and the Andrew W. Mellon Foundation are pleased to announce the Gutenberg-e Prize for History. For the 2004 competition, submissions will be accepted for dissertations or first manuscripts in all fields of history. Each of the six prizes will consist of a \$20,000 fellowship to be used by the author for converting the dissertation into an electronic monograph of the highest quality to be published by Columbia University Press. One prize will be reserved for a dissertation or first-book manuscript by an independent, public, or part-time scholar – that is, a historian who does not have full-time employment in an institution that supports research. The other five prizes will go to dissertations defended between January 1, 2001 and August 15, 2004. The dissertations must be in English and should have been defended at a university in the United States or Canada. A dissertation (in English) defended at a university not located in the United States or Canada will also be eligible if the author is a member of the AHA. The deadline for submissions is September 1, 2004. For more information and competition guidelines, please go to our website <http://www.historians.org/prizes/gutenberg/>.

Upcoming NSF Funding Opportunities

The next target date for applications to the NSF societal dimensions program is August 1, 2004. Investigators who are interested in studying ethical and value aspects

in the interactions of engineering, science, technology and society and investigators examining policy, and engineering, science, technology and society should contact Sheila Slaughter at sslaughter@nsf.gov. Program information is at <http://www.nsf.gov/sbe/ses/sdest/>.

The Philosophy of Time: How are we to respond to McTaggart?

The contemporary philosophical debate concerning how we are best to think of the metaphysics of time and tense has John Ellis McTaggart's infamous paper "The Unreality of Time" at its root. Over the century that has followed, a variety of responses have been given as to how we might try and reconcile ourselves to the conclusions that McTaggart drew. *Philosophical Writings* is soliciting papers containing an explicit response as to how we might deal with McTaggart's allegation that time is unreal. Papers should be between 3,000 and 4,000 words. Papers should be original and meet all other criteria stipulated by the submission guidelines at <http://www.dur.ac.uk/philosophical.writings/Submission.html>. To be considered for the themed issue first drafts should arrive no later than November 1, 2004, and should be emailed to the editors at philosophical.writings@dur.ac.uk and include the subject heading, "McTaggart paper." The author of most promising paper submitted will receive a \$50 prize from *Philosophical Writings*. The award will be made at the discretion of the editor. His decision is final in this matter. Further details concerning this call for papers and information about the journal can be found at the Web site <http://www.dur.ac.uk/Philosophical.Writings/>.

Dissertation List (since April 2004)

The HSS Newsletter, in cooperation with Jonathon Erlen (University of Pittsburgh), will begin publishing dissertation titles that have been brought to our attention. The list below reflects information provided by Dr. Erlen and others and was current as of 1 June 2004. Please send any missing titles to info@hssonline.org.

Amidon, Eleanor Maria. "Rudolf Steiner's Cosmology and its Implications for Human Health." California Institute of Integral Studies, 2003, 294 pages, 3109700.

Amster, Ellen Jean. "Medicine and Sainthood: Islamic Science, French Colonialism and the Politics of Healing in Morocco, 1877-1935." University of Pennsylvania, 2003, 319 pages, 3109147.

Ferry, Susan Janice. "Bodily Knowledge: Female Body Culture and Subjectivity in Manchester, 1870-1900 (England)." Johns Hopkins University, 2004, 524 pages, 3107502.

Gluck, Stuart Murray. "The Metaphysics of Quantum Mechanics: Modal Interpretations." Johns Hopkins University, 2004, 126 pages, 3107508.

Jones, Mary Ellen. "Politically Corrected Science: The Early Negotiation of United States Agricultural Biotechnology Policy." Virginia Polytechnic Institute and State University, 1999, 404 pages, 3110272.

Liebman, Elizabeth Amy. "Painting Natures: Buffon and the Art of the 'Histoire Naturelle'" (Georges-Louis Leclerc, comte de Buffon, France).

University of Chicago, 2003, 261 pages, 3108092.

Mann, Mark Howard. "Perfecting Grace: Holiness, Human Being, and the Science." Boston University, 2004, 254 pages, 3108153.

Martinez-Cruz, Paloma. "Interpreting the (Me)xican Wise Woman: Convivial and Representation." Columbia University, 2004, 231 pages, 3110162.

Morris, Susan W. "Resource Networks: Industrial Research in Small Enterprises, 1860-1930." Johns Hopkins University, 2004, 383 pages, 3107546.

Nilsson, Ulrika Birgitta. "The Politics of Woman: Professionalisation Processes and Construction of Gender in Swedish Gynaecology, 1860-1925." Uppsala Universitet, 2003, 458 pages, C815206.

Safier, Neil Franklin. "Writing the Andes, Reading the Amazon: Voyages of Exploration and the Itineraries of Scientific Knowledge in the Eighteenth Century" (France, Ecuador). Johns Hopkins University, 2004, 476 pages, 3107572.

Shostak, Sara. "Locating Gene-Environment Interaction: Disciplinary Emergence in the

Environmental Health Sciences, 1950-2000." University of California, San Francisco, 2003, 301 pages, 3109836.

Skirry, Justin James. "Descartes on the Metaphysics of Human Nature" (Rene Descartes). Purdue University, 2003, 200 pages, 3108420.

Slater, Ian James. "The Bungling Giant: Atomic Energy Canada Limited and Next-Generation Nuclear Technology, 1980-1994." University of Toronto (Canada), 2003, 398 pages, NQ84750.

Sweet, Victoria. "Body as Plant, Doctor as Gardener: Premodern Medicine in Hildegard of Bingen's 'Causes and Cures.'" University of California, San Francisco, 2003, 432 pages, 3109869.

Whitesides, John Gregory. "Genes, Minds and Selves: American Science, Religion and the Industry of Faith and Reason." Department of History, University of California, Santa Barbara.

Zulueta, Benjamin. "Forging the Model Minority: Refugee Chinese Intellectuals, American Science, and the Cold War." Department of History, University of California, Santa Barbara.

Preliminary Meeting Program
HSS 2004
Austin, TX
18-21 November

This information is subject to change. For the most up-to-date program, please visit our Web site at <http://www.hssonline.org>. The PSA program is available online at <http://scistud.umkc.edu/psa/>.

Thursday, 18 November 2004

1:00 - 5:00 PM
HSS Council Meeting

(* indicates session organizer)
5:00 - 7:00 PM

**Aliens in Science and Science Fiction from the
17th Century to Today**

Patricia Fara, *University of Cambridge*, "Hidden Depths: Halley, Hell and Other People"

***Laura J. Snyder**, *St. John's University*, "Lord Only of the Ruffians and Fiends?: William Whewell and the Plurality of Worlds Debate"

Thomas P. Weber, *Lund University*, "Spiritualism, Evolution and the Plurality of Worlds: A Comparison of Alfred Russel Wallace, Camille Flammarion and Carl du Prel"

Manfred D. Laubichler, *Arizona State University*, "Universal Biology - Dream or Reality?"

Chair: Laura Snyder, *St. John's University*

**A Volatile Relationship? Theory and Practice in
Early Modern Chemistry**

***Dane Thor Daniel**, *Dibner Institute, M.I.T.*, "The Wandering Magus: Paracelsus' Medical Practice"

Lawrence Principe, *Johns Hopkins University*, "Wilhelm Homberg and the Chemistry of Light"

M. D. Eddy, *Dibner Institute, M.I.T.*, "Principles and Practice: Agricultural Chemistry in Scotland, 1770-1800"

Chair and Commentator: William R. Newman, *Indiana University*

**Representing Life and Mind: New Methods for Analyzing
Structures, Functions, and Sequences in Mid-20th Century
Biology and Psychology**

David Steffes, *University of Oklahoma*, "Causal Connections, Nature's Game and Organismal Perspective: the Role of Chance in Sewall Wright's 'Balanced' Evolutionary Theory"

Joel Hagen, *Radford University*, "Fossil Proteins, Chemical Paleogenetics, and the Early Development of Molecular Systematics"

***Hunter Crowther-Heyck**, *University of Oklahoma*, "The Program 'Is' the Theory: The Search for a New Language for the Behavioral Sciences in Postwar America"

Chair and Commentator: Vassiliki B. Smocovitis, *University of Florida*

**Man, Mind, and Machine: Ideas of the Self in the Context of
Nineteenth-Century Science in Western Europe**

***Minsoo Kang**, *University of Missouri, St. Louis*, "The Living Machines: The Automaton as a Modernist Symbol, 1886 - 1909"

Courtenay Raia, *UCLA*, "Frederic Myers, Depth Psychology and the Spiritual Anatomy of Mind: Searching for the Psychical Soul in Late 19th Century England"

Kevin Lambert, *UCLA*, "George Boole in Ireland: The Reasoning Self and the Claims of Science"

Chair and Commentator: Bruce Clarke, *Texas Tech University*

**Rethinking National Security and American Physics 50 Years
after the Oppenheimer Hearing**

Rebecca Press Schwartz, *Princeton University*, "Scientists Under Scrutiny in World War and Cold War"

Shawn Mullet, *Harvard University*, "Documenting Atomic Espionage: Historians' Uses of Government Files"

***David Kaiser**, *M.I.T.*, "The Atomic Secret in Red Hands?: Cold War Fears of Theoretical Physicists"

Chair and Commentator: Mary Jo Nye, *Oregon State University*

7:00 - 8:30 PM

HSS and PSA Opening Reception - Hyatt Regency

Friday, 19 November 2004

9:00 - 11:45 AM

All in the Family: Science and the Domestic Sphere

Alix Cooper, *SUNY-Stony Brook*, "The Nature of Home: Work, Gender, and Power in Early Modern Natural History"

Joan L. Richards, *Brown University*, "Parallel Universes: Visions of Reason in the De Morgan Household"

Catherine Nisbett, *Princeton University*, "Marriage and Widowhood in Amateur Astronomy"

***Deborah Rachel Coen**, *Harvard University*, "Beyond Public and Private: Science and Liberalism in Imperial Austria"

Commentator: Charles Rosenberg, *Harvard University*

Chair: TBA

**Between Science and Politics: Historical Constructions of
Expertise**

***Mary Carmel Finley**, *University of California, San Diego*, "All the Fish in the Sea: Science and the Development of Maximum Sustained Yield"

Steve Luis, *University of California, San Diego*, "Lochner v. New York: Expert and Common Knowledge in the Supreme Court Decision"

Peter A. Shulman, *M.I.T.*, "Why Let a Petroleum Geologist File Your Taxes?"

Rebecca Slayton, *M.I.T.*, "Professionals Against Nukes: An Epistemic Culture Clash?"

Chair and Commentator: TBA

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Friday, 19 November 2004 (continued)

9:00 - 11:45 AM (continued)

Intellectuals and the Political Meanings of Science in the Twentieth-Century North Atlantic World

Jessica Wang, *UCLA*, "Knowledge and Policy: Pragmatism, Law, and Social Science in New Deal America"

Andrew Jewett, *Yale University*, "American Scientists and the International Reconstruction Debate"

Charles Thorpe, *University College London*, "Scientific Freedom, Cold War Liberalism, and the Oppenheimer Case"

***Cathryn Carson**, *University of California, Berkeley*, "Science, Politics, and Instrumental Reason: Heidegger, Habermas, Heisenberg"

Commentator: Thomas Broman, *University of Wisconsin, Madison*

Chair: David Hollinger, *University of California, Berkeley*

Exploration and Alienation in the History of Science

Elizabeth H. Lee, *Harvard University*, "Genealogies of Piracy: Alienation and Early-Modern French Geographical Knowledge"

Maria Lane, *University of Texas, Austin*, "Wonderful, Terrible Martians: Geographic Representations of the Red Planet, 1894-1916"

Hannah Landecker, *Rice University*, "What Cells Might Be: Cell Fusion and the History of Biotechnology"

***Colin Milburn**, *Harvard University*, "Biotechnologies of the Wounded Body (Posthuman Horror)"

Chair and Commentator: Timothy Lenoir, *Stanford University*

Self-Training: The Moral and Practical Stakes of Perception and Decision Making

Matthew Stanley, *Iowa State University*, "The Pointsman: Maxwell's Demon and Victorian Free Will"

Deborah Weinstein, *Brown University*, "Through the Looking Glass: Technologies of Perception in Twentieth-Century American Psychotherapy"

***Sharrona Pearl**, *Harvard University*, "Natural-Born Beggars: Physiognomy and Determinism in Victorian Britain"

Orit Halpern, *Harvard University*, "The Freedom to Attend: Producing Attention in American Pragmatism and Psychology"

Chair and Commentator: Rebecca Herzig, *Bates College*

A Just Story of Learning: Histories of Science in Early Modern Europe

***James Steven Byrne**, *Princeton University*, "Regiomontanus's Padua Oration in the University Context"

Robert Goulding, *University of Notre Dame*, "'How May We Move Alexandria to Oxford?' Henry Savile's History of Mathematics and Institutional Reform"

Nicholas Popper, *Princeton University*, "'Abraham, Planter of Mathematics': Making Mathematics Orthodox in Early Modern England"

H. Darrel Rutkin, *Dibner Institute*, "Francis Bacon's Reform of Astrology: De augmentis scientiarum III"

Lauren Kassell, *Pembroke College*, "'All Was This Land Full Fill'd of Faerie', or Magic and the Past in Early Modern England"

Chair: Nicholas Popper, *Princeton University*

Dimensions of The Naturalist Tradition in America

Kristin Renee Johnson, *Arizona State University*, "Defending

Systematics: The Plague Flea and the Role of Species Identification"

Mary Anne Andrei, *University of Minnesota*, "Smithsonian Taxidermy and the Birth of Wildlife Conservation"

Chris Young, *Alverno College*, "Status and Agenda in Wildlife Preservation: William T. Hornaday as Zoologist and Activist"

***Frederick R. Davis**, *Florida State University*, "The Naturalist Tradition and the Evolution of Conservation Biology"

Commentator: TBA

Chair: Paul L. Farber, *Oregon State University*

Across the Pacific: American-East Asian Scientific Interactions during the Cold War

Zuoyue Wang, *California State Polytechnic University, Pomona*, "Technical Aliens: Chinese Scientists in the United States and the Politics of the Early Cold War"

Benjamin Zulueta, *University of Southern California*, "People of Science: American-Educated Chinese and the 'Cold War of the Classrooms'"

Jacob Darwin Hamblin, *California State University, Long Beach*, "Scientific Opportunity or Political Opportunism? American Oceanographers, UNESCO, and Cooperation in Asia, 1950-1970"

***John Paul DiMoia**, *Princeton University*, "Teaching the Atom: AERI and the Origins of the South Korean Nuclear Program, 1955-1959"

Chair and Commentator: John Krige, *Georgia Institute of Technology*

Late-Twentieth Century Biosciences and Their Publics: Controversy and Pedagogy

Hanne Andersen, *University of Copenhagen*, "Misrepresentation or Ignorance: The Case of 'The Sceptical Environmentalist'"

Christina Brandt, *Max Planck Institute for the History of Science*, "Between Fact and Fiction: Bioscientific Research and Early Debates About Cloning and Genetic Engineering in Germany"

Xaq Frohlich, *M.I.T.*, "Origins of the US 'Sound Science' Rationale and Its Confrontation with Europe's 'Precautionary Principle' over GM Foods"

Amber Vogel, *University of North Carolina at Chapel Hill*, "From Frankenstein to Frankenfoods: An Interdisciplinary Approach to Secondary Education in the Biosciences"

Chair: Diane Paul, *University of Massachusetts, Boston*

Science and Art Go East

***Simon Werrett**, *University of Washington*, "Russian Science Illuminated: Physics, Fireworks, and Court Spectacle at the St. Petersburg Academy of Sciences"

Michael D. Gordin, *Princeton University*, "The Weekday Chemist: Music, Science, Training, and Aleksandr Borodin"

Margarete Voehringer, *Max Planck Institute for the History of Science*, "How to Experiment with Instruments, Stones and People - Nikolai Ladovski's Psychotechnical Laboratory for Architecture, Moscow 1926"

Margareta Tillberg, *Vaxjo University*, "New Eyes. Department for Organic Culture, Leningrad 1920s"

Commentator and Chair: Sven Spieker, *University of California, Santa Barbara*

12:00 - 1:15 PM

Committee on Honors and Prizes

12:00 - 12:30 PM

Forum for the History of Science in America Business Meeting

12:30 - 1:15 PM

Forum for the History of Science in America
Distinguished Scientist Lecture
Steven Weinberg, *University of Texas, Austin*

1:30 - 3:10 PM

Evolution, Old and New: Contested Interpretations of Darwinism from Haeckel to the Present. Part I:

The Evolution and Development of German Darwinism

***Sander Gliboff**, *Indiana University*, "Ernst Haeckel and the Mechanical Causes of Ontogeny"

Robert J. Richards, *University of Chicago*, "Haeckel's and Miklucho-Maclay's Polymorphous Demonstration of Darwin's Theory, or How to Deep-Six your Graduate Student"

Frederick B. Churchill, *Indiana University*, "August Weismann and the Biogenetic Paradox"

Patricia Princehouse, *Case Western Reserve University*, "Haeckel, Goldschmidt, Gould: 100 Years of Contrarian Darwinians"

Chair: Marsha Richmond, *Wayne State University*

Mind and Modernity

Mioara Deac, *University of Notre Dame*, "Vision, and the Late Nineteenth-Century Modernist Project"

Philipp Felsch, *Max Planck Institute for the History of Science* "Laboratory Landscapes. Angelo Mosso and the Mountains of Fatigue, 1875 - 1900"

Henning Schmidgen, *Max Planck Institute for the History of Science*, "The Early History of Reaction Time Experiments, 1850-1865"

Chair: Lenny Moss, *University of Notre Dame*

Visualizing the Body

Cynthia Klestinec, *Georgia Institute of Technology*, "Fabricius and the Dramatic Rhetoric of Anatomical Inquiry"

Eva Ahrén Snickare, *Nobel Museum*, "Medicine and the Media: The Human Body on Display around 1900"

Lucia Dacome, *Welcome Trust Centre for the History of Medicine at UCL*, "Seeing Enlightenments: Anatomical Models and the Visual Regimes of the Body in Eighteenth-Century Italy"

Chair: Pamela Smith, *Pomona College*

The Scientist in Memory

Laura Otis, *Hofstra University*, "Haeckel's Deferred Action"

Jeris Stueland Yruma, *Princeton University*, "How Experiments are Remembered: Discovery, Discipline and the Birth of Fission"

Michael Cory Halliburton, *Independent Scholar*, "Paul Kammerer, Immortal Suicide"

Chair: TBA

From Collections to Populations in Life Science

Charissa S. Varma, *IHPST, University of Toronto*, "Early 19th-Century

Taxonomy and Essentialism: William Kirby's Place in the History of Systematics"

Jean-Francois Auger, *Institut de Recherches Interdisciplinaires*, "The Cultural Meaning of Leon Provancher's Entomological Collections, 1877-1980"

Christine Keiner, *Rochester Institute of Technology*, "Rats, Humans, and Urban Ecology: The Johns Hopkins Rodent Ecology Project, 1944-1952"

Chair and Commentator: John Lynch, *Arizona State University*

Re-examining Aristotle

Jeremy Kirby, *Florida State University*, "Aristotle's Rejection of Resurrection"

Tiberiu Marcel Popa, *University of Pittsburgh*, "Metaphysical Implications of Aristotle's Chemistry"

Bill Sterner, *University of Chicago*, "The Definitory Dialectic of Aristotle's Four Causes in the Poetics"

Chair: R.J. Hankinson, *University of Texas, Austin*

Cells and Viruses in the History of Biology

Sabine Brauckmann, *KLI*, "Cells Migrate and Shape: A Historical Sketch of Developmental Fate Maps"

Neeraja Sankaran, *Yale University*, "What Was a Virus? - The Status of Bacteriophage in this Debate in the Early 20th Century"

Rena Selya, *Harvard University*, "Viruses, Cancer and the Institutionalization of Molecular Biology"

Commentator and Chair: Angela N.H. Creager, *Princeton University*

Science between Nations

Jahnavi Phalkey, *Georgia Institute of Technology*, "Meghnad Saha and the Calcutta Cyclotron"

Kenji Ito, *The University of Tokyo*, "Gender and Physics in Japan around WWII: Toshiko Yuasa and Her Emigration to France"

Sara Tjossem, *Columbia University*, "Competing Visions for Marine Science in the North Pacific"

Boumsoung Kim, *The University of Tokyo*, "Representing Earthquakes: A Historical Interpretation of Seismograms in Meiji Japan"

Chair: Abha Sur, *M.I.T.*

Science and Religion in Public Life

Adam R. Shapiro, *University of Chicago*, "The Evolution of the 'New Civic Biology'"

Stephen P. Weldon, *University of Oklahoma*, "Humanistic Psychology and Liberal Religion in America, 1950-1980"

Greg Whitesides, *University of California, Santa Barbara*, "Manufacturing Faith: The Industry at the Intersection of American Science and Spirituality"

Chair: Ronald L. Numbers, *University of Wisconsin, Madison*

3:30 - 5:30 PM

Evolution, Old and New: Contested Interpretations of Darwinism from Haeckel to the Present. Part II:

"Challenges to Gradualism: Saltationism, Punctuated Equilibrium, and Neo-Catastrophist Mass Extinction Theory"

Sherrie Lynne Lyons, *SUNY Empire State College*, "From Huxley to Gould: Thomas Henry Huxley's Relevance For Modern Evolutionary Theory"

David Sepkoski, *Oberlin College*, "Paleobiology in the 1970s: Punctuation, Mass Extinction, and Quantification"

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Friday, 19 November 2004 (continued)

3:30 - 5:30 PM (continued)

***Marsha L. Richmond**, *Wayne State University*, "Views of Evolution at the Darwin 1909 Celebration: The Challenges of Mendelism, Mutation, Meiosis, and Saltation"

Michael R. Dietrich, *Dartmouth College*, "Reviving the Hopeful Monster: Richard Goldschmidt and Saltational Evolution"

Chair: Sander Gliboff, *Indiana University*

State-Sponsored Surveys in America: Providence, Politics and Capitalist Expansion

***Daniel Goldstein**, *University of California, Davis*, "Great Expectations: The Intellectual Context for State Geological and Natural History Surveys in Antebellum America"

Jeremy Vetter, *University of Pennsylvania*, "Knowledge, Capitalism, and the States: The Role of State Surveys in the Economic Development of the U.S. Central West, 1890-1920"

Brian Frehner, *University of Oklahoma*, "Mapping Nature: The Role of Field Work in the Oklahoma Geological Survey"

Commentator: Julie Newell, *Southern Polytechnic State University*

Chair: Daniel Goldstein, *University of California, Davis*

Tracing the Development of Mathematics in Early Twentieth-Century America: Three Case Studies Drawn from the Archives of American Mathematics, Austin

Albert C. Lewis, *Indiana University Purdue University, Indianapolis*, "G.B. Halsted and Mathematics on the American Frontier"

Della D. Fenster, *University of Richmond*, "Leonard Dickson: You Can Take the Man Out of Texas but Not the Texas Out of the Man"

David E. Zitarelli, *Temple University*, "The Moore-Kline Correspondence: A Portrait of Two Mathematicians"

Commentator: *Karen Parshall, *University of Virginia*

Chair: Joseph Dauben, *The Graduate Center, CUNY*

Scientific Persona(e)

Matthew L. Jones, *Columbia University*, "Leibniz and the Persona of the Decorous Natural Philosopher"

Theodore M. Porter, *UCLA*, "The Cultivated Scientist: Fashioning a Self for a New Age of Science"

***Jamie Cohen-Cole**, *Princeton University*, "Experimental Psychology and The Professional Politics of Thinking About Thinking"

Chair: Alison Wylie, *Barnard College*

The Formation of Scientific Practice and Knowledge in Cross-Cultural Perspectives

Minghui Hu, *Westmont College*, "Measuring the Cosmos: Tension between Confucian Cosmology and Jesuit Cosmography"

***Fa-ti Fan**, *State University of New York at Binghamton*, "Natural History in Chinese-Western Encounter"

Grace Yen Shen, *Harvard University*, "Scientific Worldviews: Chinese Geology and International Science, 1911-1949"

Chair and Commentator: Roger Hart, *University of Texas, Austin*

Behavior on Film – The Uses of Motion Picture in Studies of Human and Animal Behavior

Scott Curtis, *Northwestern University*, "As Tangible as Tissue: Arnold Gesell,

Infant Behavior, and Film Analysis"

Ute Holl, *Bauhaus-University Weimar*, "Science and Avantgarde. Dziga Vertov's Filmwork and the Techniques of Observing in Russian Reflexology"

***Tania Munz**, *Princeton University*, "'Birds, Bees, Lights, Camera, Action - Karl von Frisch, Konrad Lorenz and the Behavior of Animals on Film"

Chair and Commentator: Alison Winter, *University of Chicago*

Computers in the Midst: Computational Science Enters the Laboratory

Charles N. Yood, *Pennsylvania State University*, "Building Big Iron: Applied Mathematics, 'Hybrid Areas' and the Social Organization of Computational Science at Argonne National Laboratory, 1949-1970"

Joe November, *Princeton University*, "DENDRAL: Automating Hypothesis Formation"

***Ann Johnson**, *University of South Carolina*, "Molecules or Very, Very Tiny Beams? Writing Algorithms to Model Carbon Nanotubes at NASA"

Chair and Commentator: Robert W. Seidel, *University of Minnesota*

Astronomy and Representation in the Nineteenth Century

***Anna Henchman**, *Harvard University*, "To See What I See: Thomas De Quincey and the Orion Nebula"

Pamela Gossin, *University of Texas-Dallas*, "Literary History of Astronomy: Thomas Hardy's Personal Construct Cosmology"

Jimena Canales, *M.I.T.*, "AUTO, NOMOS, and MATIC: Boundaries Between 'Impersonal' and 'Personal' Representations"

Commentator: Allen MacDuffie

Chair: Anna Henchman, *Harvard University*

Detection Devices and Experimental Agents

Keith A. Nier, *Independent/Chemical Heritage Foundation*, "Development of Mass Spectrometry: Weighing Ions and the Nature of Science"

William Shields, *Virginia Tech*, "The Strange Tale of Centrifugal Force"

Catherine Lee Westfall, *Argonne National Laboratory*, "When Little Plays Big: Fifty Years of Mössbauer Spectroscopy at Argonne"

Chen-Pang Yeang, *M.I.T.*, "Toward a Science of Noise"

Chair: Christophe Lecuyer, *Chemical Heritage Foundation*

Mathematics and Practice in Early Modern Europe

Sigurd Tønnessen, *University of Bergen*, "Creating Physics: Kepler's Analysis and Synthesis of Geometry, Kinematics and Dynamics"

Saul Fisher, *The Andrew W. Mellon Foundation*, "Gassendi and Puy-de-Dôme: Abandoning the "Regressus" for a Method of Hypothesis"

Albrecht Heffer, *Ghent University*, "Récréation Mathématiques (1624)": A Study on the Authorship, Sources and Influence"

Alexander J. Hahn, *University of Notre Dame*, "Discorsi and Experiment in Conflict: Galileo's Folio 116v and His Resolution of the Mirandum Paradox"

Chair: Jole R. Shackelford, *University of Minnesota*

6:15 – 8:00 PM

Joint Reception with HSS and PSA

(Harry Ransom Humanities Center – tickets required)

Buses will run from the hotel to the Center.

8:00 - 9:30 PM

**Committee on Education Workshop
Bringing the History of Science to Science and Mathematics**

Teachers

Elizabeth Cavicchi, *Dibner Institute/M.I.T.*

Peter Heering, *University of Oldenburg/Deutsches Museum*

Bruce Hunt, *University of Texas, Austin*

Mark Largent, *University of Puget Sound*

Michael Marder, *University of Texas, Austin*

Chair: David Rhees, *Bakken Museum*

Saturday, 20 November 2004

7:30 - 8:45 AM

Forum for the History of Science in America Steering Committee

Osiris Editorial Board Meeting

9:00 - 11:45 AM

State of Nature: Presenting and Representing Animals in 20th-Century Japan and the United States

***Victoria Cain**, *Columbia University*, "'Selling' Animals: Consumption and Conservation in American Natural History Museums, 1900-1930"

Brett L. Walker, *Montana State University*, "Global Science and National Distinctiveness: Animal Representations and the Birth of Ecology in Japan"

Hanna Rose Shell, *Harvard University*, "Hide: Reframing Wartime Natural History and the AMNH Alaska Brown Bear Group 1937-1945"

Ian Jared Miller, *Arizona State University*, "The Nature of the Beast: The Ueno Zoological Gardens and the Culture of Imperialism in Japan"

Chair and Commentator: Gregg Mitman, *University of Wisconsin, Madison*

Russian Intelligentsia and Science, 1860-1960

Olga A. Valkova, *S. I. Vavilov Institute for History of Science and Technology, Moscow*, "Struggle between 'National' and 'International' Parties in Russian Scientific Community in the Second Half of the 19th Century"

Kirill O. Rossiianov, *S. I. Vavilov Institute for History of Science and Technology, Moscow*, "Taming the Primitive: Elie Metchnikov and his Discovery of Immune Cells"

***Alexei B. Kojevnikov**, *University of Georgia, Athens*, "Space and Time, and the Russian Revolution"

Konstantin Ivanov, *Tula State Pedagogic University*, "The First Steps of Astrophysics in the USSR: Revolutionary Policies in Science and Disciplinary Boundaries"

Ivan V. Zavidonov, *S. I. Vavilov Institute for History of Science and Technology, Moscow*, "IGY, Sputniks, and Soviet Research in the Geospace"

Chair: Jonathan Coopersmith, *Texas A&M University*

Who Knows Best – Judges, Fakers, Scientists, or Historians?

A Festsession for J.L. Heilbron

Mario Biagioli, *Harvard University*, "Intellectual Property in Early Modern Instruments: Galilei vs. Capra"

Jessica Riskin, *Stanford University*, "Simulations and Dissimulations"

Larry Lagerstrom, *University of California, Davis*, "Applied History of Science: The Case of Creation and Evolution"

Timothy Moy, *University of New Mexico* "Recent Applications of History of Science and Technology in National Security Policy"

Commentator: TBA

Chair: Abigail Lustig, *University of Texas, Austin*

***Matthias Dorries**, *Universite Louis Pasteur*

Citizens as Subjects: Behavioral Science Research and Its Critics in Postwar America

Lynn Gorchov, *Oberlin College*, "Dismissing the Experts: The 1950 Senate Sex Perversion Hearings"

Jill Morawski, *Wesleyan University*, "Socialized/Civilized: The Promise of Socialization Theory and the Protean Human in Postwar America"

Sarah E. Igo, *University of Pennsylvania*, "Social Scientific Citizens: Participation and Dissent in a Postwar Statistical Public"

Laura Stark, *Princeton University*, "Practicing Morality: Psychological Research Practices and the Rise of Human Subjects Regulations in Postwar America"

Commentator: Elizabeth Lunbeck, *Princeton University*

Chair: *John Carson, *University of Michigan*

Heavenly and Earthly Bodies: Problems of "Pre-modernity" in Chinese and Ottoman Science

Hilary A. Smith, *University of Pennsylvania*, "Does the "Early Modern" Shoe Fit? Foot qi and Chinese Nutritional Science"

Ayner Ben-Zaken, *Harvard Society of Fellows*, "The Decade When the Sky Fell and New Astronomy Arose"

Carla Suzan Nappi, *Princeton University*, "Dragon's Blood and Cardamom: The Foreign and the Distant in Early Modern Chinese Natural History"

***Jane H. Murphy**, *Princeton University*, "The Ubiquity of the 'Uncommon Sciences': Scientific Practices in 18th-Century Cairo"

Commentator and Chair: Christopher Minkowski

Racial Biology before and during the Third Reich: New Research Initiatives

Volker Roelcke, *University of Giessen*, "Preventing Disease, Improving the Race: Genetic Research at the Kaiser Wilhelm Institute for Psychiatry in Munich, 1917-1945"

Bernd Gausemeier, *MPG-Forschungsprogramm*, "Science or Politics?: Nazi Racial Biology, 'Pure Genetics' and the Rockefeller Foundation Connection"

***Sheila Faith Weiss**, *Clarkson University*, "The Political Function of Human Genetics at International Conferences Under the Swastika"

Hans-Walter Schmuhl, *University of Bielefeld*, "Racial Science, Eugenics, and Developmental Genetics: The Politics of the Paradigm Shift at the Kaiser Wilhelm Institute for Anthropology, Human Heredity and Eugenics, 1938-1945"

Commentator: Garland Allen, *Washington University*

Chair: Susanne Heim

The Other Final Frontier: American Science and the Sea after World War II

Ronald Rainger, *Texas Tech University*, "Beyond Being Blue: The Expanding Domain of American Oceanography"

Helen M. Rozwadowski, *University of Connecticut, Avery Point* "Turning Heads: FLIP and the Technological Imagination in Postwar Oceanography"

***D. Graham Burnett**, *Princeton University*, "Whales and the Cold War: The First International Symposium on Cetacean Research"

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Saturday, 20 November 2004 (continued)

9:00 - 11:45 AM (continued)

Naomi Oreskes, *University of California, San Diego*, "Secrecy and Sea-floor Spreading"

Commentator: Eric L. Mills, *Dalhousie University*

Chair: D. Graham Burnett, *Princeton University*

The Politics of Cosmology in Early Modern Europe

John P. Friesen, *University of Leeds*, "Newtonian Natural Philosophy and the Ancients-Moderns Controversy at Christ Church Oxford"

David Marshall Miller, *University of Pittsburgh*, "The Thirty Years War and the Galileo Affair: A Plea for Political Contextualization"

Derek Jensen, *University of California, San Diego*, "The Idea of a Plurality of Worlds in Seventeenth-Century Danzig"

Steven R. Vanden Broecke, *The Johns Hopkins University*, "Disciplining Astrology: Notes on the Publication of Tycho Brahe's World System (1588)"

Commentator and Chair: Adrian Johns, *University of Chicago*

Displays and Audiences

Anna Maerker, *Cornell University*, "How (not) to be a Museum Visitor in Late-Eighteenth-Century Florence: Micro-Histories and Retrospective Accounts from the Royal Museum of Physics and Natural History"

Elizabeth R. Neswald, *National University of Ireland, Galway*, "Itinerants and Institutions: Popularizing Science in 19th-century Provincial Ireland"

Julia R. Saari, *University of Massachusetts, Amherst*, "A Space of Their Own: Making Room for the Public at NASA's Kennedy Space Center"

Linda Dalrymple Henderson, *University of Texas, Austin*, "Robert Smithson, Science Fiction, and the Fourth Dimension in the Mid-1960's"

Chair and Commentator: Karen Rader, *Sarah Lawrence College*

12:00 - 3:00 PM

Committee on Publications

12:00 - 1:15 PM

History of Philosophy of Science (HOPOS), Business Meeting

The Expanding Scope of History of Science: Doctoral Dissertations

Jonathon Erlen

Forum for the History of Human Sciences, Business Meeting

Committee on Finance

Earth and Environment Forum, Business Meeting

1:30 - 3:10 PM

Disease Etiology and Prevention

Andrea Rusnock, *University of Rhode Island*, "Making Sense of Vaccination circa 1800"

Elise S. Lipkowitz, *Northwestern University*, "Matters of Family, Matters of State: The Debate over Inoculation in France 1754-1774"

Sofie Lachapelle, *Max Planck Institute for the History of Science*, "The Prophylaxis and Treatment of Endemic Cretinism by Nineteenth-Century Alienists"

Science and Education

Donald Cotter, *Mount Holyoke College*, "'A Converted Organic Chemist' and the Invention of American General Chemistry"

Deepanwita Dasgupta, *University of Minnesota*, "The Story of Engineering Education in India: Science Education within the Framework of a Colonial Requirement"

Hanna Östholm, *Uppsala University*, "The 'Idea of the University': The Impact of the Berlin University on Scandinavia/Sweden"

Holly C. VanScoy, *Academic Research Associates*, "The Role of the Psychological Sciences in the Supreme Court's Decision in *Brown v. Board of Education*"

Chair and Commentator: Nancy Hall, *University of Maryland*

Communication, Community, and Knowledge

Peter Schimkat, *Independent Scholar*, "A Truly German Science": Attempts to Redefine Geology in Interwar Germany"

Steven Maxwell Schwartz, *University of Toronto*, "Disciplinary Relations between Neurology and Psychiatry from 1877-1897: Similarities and Differences of Representation in Specialized English and American Periodicals"

Anne Katrine Gjerløff, *University of Copenhagen*, "Adventures of the Ape. Popularizations of Paleoanthropology in Denmark in the 20th Century"

Jesse Richmond, *University of California, San Diego*, "The Art of Ancestral Identity: Pictorial Representation and the Marginalization of 'Australopithecus'"

Chair: TBA

Postwar Science and Politics

Thomas Lassman, *American Institute of Physics*, "The Path Not Taken: Henry Wallace and the Reconstruction of American Science after World War II"

Anja Skaar Jacobsen, *Roskilde University*, "The Role of Marxist Ideology in Léon Rosenfeld's Defence of Complementarity in the 1950s"

David C. Cassidy, *Hofstra University*, "Militarized Science: J. Robert Oppenheimer as Federal Science Advisor"

Chair and Commentator: Susan M. Lindee, *University of Pennsylvania*

The Historiographical Roots of History and Philosophy of Science

Peter McLaughlin, *University of Heidelberg*, "Rethinking Internalism in the Scientific Revolution"

Nahum Kipnis, *Independent Scholar*, "Are Old Scientific Theories 'Rejected' or 'Abandoned'?"

Chair: Joseph T. Rouse, *Wesleyan University*

Travels and Expeditions of Nineteenth-Century Scientists

David Cahan, *University of Nebraska*, "The Scientific Tourist: Helmholtz in Gilded Age America"

Christopher R. Carter, *Duke University*, "Herschel, Humboldt and Imperial Science"

Alistair Sponsel, *Princeton University*, "Fathoming the Depth of Charles Darwin's Theory of Coral Reef Formation"

Commentator and Chair: James Secord, *University of Cambridge*

Epistemology and Audience

Edward Jurkowitz, *University of Illinois at Chicago*, "Liberal Unities of Mind and Knowledge: Hermann von Helmholtz's and Ernst Mach's Images of Intellect and Epistemology"

Katherine Arens, *University of Texas, Austin*, "Mach, Haeckel, and the Rejection of the 'Two Cultures': Popular Science as Epistemology in German-Language Science of the (Last) Fin de siècle"

Joel Isaac, *University of Cambridge*, "The Education of a 'Scientific Philosopher': W. V. Quine and the Analytic Turn in American Philosophy, 1926-1940"

Chair: John Zammito, *Rice University*

Theory Confronts the World

Jean Eisenstaedt, *Observatoire de Paris*, "Light and Relativity: From Newton to Einstein"

Ole Molvig, *Princeton University*, "Making 'a New Universe': How Relativity became Astronomical"

Cibelle Celestino Silva, *Instituto de Física 'Gleb Watagbin', Universidade de Campinas, Brazil*, "Dimensional Analysis and the Search for the True Nature of Electromagnetic Quantities: The Contribution of Reginald A. Fessenden"

Slobodan Perovic, *York University*, "Recent Revival of Schrödinger's Ideas on Interpreting Quantum Mechanics and Relevance of Their Early Experimental Critique"

Chair and Commentator: TBA

18th-Century Naturalism

William Max Nelson, *UCLA*, "Healing 'Time's Eunuch': Buffon and the Generation of the Future in Enlightenment France"

Mary Terrall, *UCLA*, "Réaumur's Networks of Knowledge and Practice"

Jed Foland, *University of Massachusetts, Amherst*, "Crossing Species: Buffon and the Science of Experimentation"

Monika Gisler, *University of Basel*, "Interpreting Earthquakes in 18th-Century Protestant Switzerland: Between Science and Theology"

Chair: TBA

3:30 - 5:30 PM

Practicing Natural History

Lynn K. Nyhart, *University of Wisconsin, Madison*, "Bringing Natural History to Life: 'Practical' Natural History, Museums, and Zoos in Mid-Nineteenth-Century Germany"

Anne Secord, *University of Cambridge*, "Social Class and the Boundaries of the Field in Nineteenth-Century British Botany"

Richard Burkhardt, *University of Illinois*, "Ordering and Coordinating Naturalists' Practices in Restoration France"

***Robert E. Kohler**, *University of Pennsylvania*, "American Museums and Natural History Collecting"

Chair: Mark V. Barrow, *Virginia Tech*

**Imagined Worlds: Constructions of Nature
in Early-Modern Europe**

Jonathan Seitz, *University of Wisconsin, Madison*, "Science in the Holy Office: The Inquisition and Views of Nature in Early Modern Venice"

Maria M. Portuondo, *Johns Hopkins University*, "Mapmakers at Work: Constructing a Map of the New World"

Mark A. Waddell, *Johns Hopkins University*, "Magic, Magnets, and Machines: Jesuit Depictions of Artifice and the End of Nature's Wondrous Power"

***Allison B. Kavey**, *Johns Hopkins University*, "Structuring Nature: Scripting the Natural in "'The Secrets of Albertus Magnus' and 'Cornucopiae, or Divers Secrets'"

Chair: Allison Kavey, *Johns Hopkins University*

**Going Wrong: Errors, Failures, and Other Pitfalls in
Scientific Practice**

Theodore Arabatzis, *University of Athens*, "Misinterpreting (correct) Experimental Results: Kaufmann's Rejection of the Particulate Interpretation of Cathode Rays"

Davis Baird, *University of South Carolina*, "Atomic Precision: Rowland's Dictum and Nanotechnology"

Giora Hon, *University of Haifa*, "Living Extremely Flat: The Status of Errors in Experimental Studies of Biological Systems"

***Jutta Schickore**, *University of Cambridge*, "The Productivity of Faulty Procedures: Microscopy of the Nerves in the 1820s and 1830s"

Chair: TBA

**Scientists as Educators: Teaching the Exact Sciences in
the U.S. from 1910 to 1970**

John L. Rudolph, *University of Wisconsin, Madison*, "Millikan, Mann, and the Debate over General Science in the High School Course of Study"

Patti Wilger Hunter, *Westmont College*, "Foundations of Statistics in American Textbooks: Probability and Pedagogy in Historical Context"

***David Lindsay Roberts**, "Mathematicians in the Schools: The 'New Math' as an Arena of Professional Struggle, 1950-1970"

Commentator: John Servos, *Amherst College*

Chair: Peggy Kidwell, *Smithsonian Institution*

**The German Physical Society under
National Socialism**

Richard Beyler, *Portland State University*, "Boundaries and Authority in the Physics Community in the Third Reich"

***Dieter Hoffmann**, *Max Planck Institute for History of Science*, "The 'Ramsauer Era' and the Self-Mobilization of the DPG"

Michael Eckert, *Deutsches Museum*, "The DPG and 'Aryan Physics'"

Chair and Commentator: Mark Walker, *Union College*

Darwin's Adaptation of Darwinism

***Stephen G. Alter**, *Gordon College*, "The Textual Sources of Darwin's 'Unconscious Selection' Concept"

Joy Harvey, *Independent Scholar*, "Rethinking French Darwinism"

Paul White, *University of Cambridge*, "Darwin's Correspondence and the Imperial Archive"

Chair and Commentator: Phillip R. Sloan, *University of Notre Dame*

Caltech at War and Peace

***Patrick McCray**, *University of California, Santa Barbara*, "Caltech, Project Vista, and the Dilemmas of Lee DuBridge"

Peter Neushul, *University of California, Santa Barbara*, "World War II War Production at Caltech: The Rocket Program"

Peter J. Westwick, *Caltech*, "Remobilizing for Defense in the 1980s: The Case of the Jet Propulsion Lab"

Chair and Commentator: Daniel Kevles, *Yale University*

History of Science Society Newsletter July 2004

Saturday, 20 November 2004 (continued)

3:30 - 5:30 PM (continued)

The Autonomy of the Automaton: Paradoxes of Subjectivity and Technology in the Scientific and Literary Culture of Modern Europe

Adelheid Voskuhl, *Cornell University*, "Bourgeois Automata: Mechanical Bodies and Autonomous Subjects in the Nascent Civil Society of Late 18th-Century Germany"

***John Tresch**, *Northwestern University*, "The Automaton and its Uncanny Kin in French Fantastic Literature, c.1848"

Matt Price, *University of Toronto*, "The Hand, Human Nature, and the Art of Prosthesis in World War I"

Commentator: Robert Brain, *University of British Columbia*

Chair: Tracie Matysik, *University of Texas, Austin*

Recent Work in the History of Biological Science in Japan

Eriko Kakuzaki, *Rissho University*, "History of Human-Animal Interaction in Japan"

Yoshiko Lizuka, *Rissho University*, "Birth Technology and Gender Problems in Recent Japan"

***Hazime Mizoguchi**, *Rissho University*, "Japanese Biologists at the Marine Biological Laboratory, Woods Hole"

Chair and Commentator: Keith Benson, *National Science Foundation*

6:00 - 7:00 PM

Distinguished Lecture

Peter Dear, *Cornell University*

**What is the History of Science the History of?
Identifying the Subject-Matter of a Discipline**

Sunday, 21 November 2004

8:00 - 9:00 AM

HSS Business Meeting

9:00 - 11:45 AM

Plenary Session

To Market, To Market

Daniel Kevles, *Yale University*, "The Engineering and Ownership of Life: The Establishment of Intellectual Property in Living Organisms"

Philip Mirowski, *University of Notre Dame*, "Caveat Emptor: On the History of Perceptions of the Supposed Independence of Scientific Research from the Forms of Economic Support"

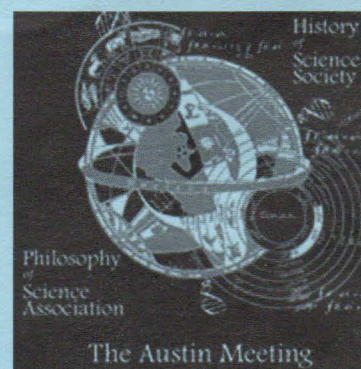
Mary S. Morgan, *London School of Economics/University of Amsterdam*, "Experimental Farming and the Political Arithmetic of Distribution in Early 19th-Century Britain"

Donald MacKenzie, *University of Edinburgh*, "Markets, Bodies, and Theorems"

Chair: TBA

VIII

2004
The Austin Meeting
T-Shirts & Tote Bags



Proceeds from these items will be directed to the
NEH Challenge Fund

Items are only available by pre-ordering.
Orders must be received before 15 October 2004

Shirts:

Cardinal Red, Charcoal Gray, Sky Blue, or Black
with blue and white image

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**\$ 9.99 each item
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Order items online using the conference
registration form at www.hssonline.org

Or

Use the Meeting Registration Form on p. 13

(Go to www.hssonline.org for pictures of the items)

HSS Conference Registration Form

18 ~ 21 November 2004, Austin, Texas

Electronic Registration is strongly encouraged ~ <http://hsonline.org>

Note: Conference registration does *not* include hotel reservation (form on p. 14).

Please only one form per registrant

HSS Member Non-Member Exhibitor

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	Early Registration	Regular Registration (after 27 Oct.)	Number	Subtotal
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Non-Member	\$105.00	\$125.00	130	_____
Student Non-Member	\$55.00	\$65.00	70	_____
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Banquet: \$45.00 \$45.00 _____

Please circle your choice of one: *Beef* *Chicken* *Vegetarian*

Reception: (Friday Evening) **Harry Ransom Humanities Center:**
 \$5.00 each, cash bar. (Space is limited: Order deadline is
 1 September. No more than four (4) tickets per order) _____

T-Shirts & Tote Bags: \$9.99 each and \$8.99 for each additional item.
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Conference and Items Total: _____

Conference Registration Form and payment by check, money order, or credit card must be received by 27 October 2004 to take advantage of early registration rates. Return to:

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HISTORY OF SCIENCE SOCIETY

18 – 21 November 2004

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Electronic reservations are strongly encouraged: <http://hssonline.org/meeting/index.html>

Terms:

- Room rates are subject to taxes, currently 15%
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- Cancellation notice for refunds is required 24 hours prior to scheduled arrival.
- Special requests honored on a space-available basis
- Maximum of four persons per room
- Business-Level accommodations are an additional charge of \$20.00 per room, subject to availability. Free 1-800 and local calls and a breakfast coupon.
- An early departure fee of \$50.00 will be charged in the event a guest departs earlier than scheduled unless the reservation is changed before you check in.
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Make reservations by Phone (800) 233-1234; Fax (512) 480-2069 (512) 477-1234	
Identify yourself as attending the History of Science Society Conference to receive the group rates.	

Awards, Honors, and Appointments

Robert Marc Friedman, University of Oslo, has been elected Senior Visiting Fellow at the Institute of Advanced Studies, University of Bologna for the fall 2004 semester. His project on disciplinarity, epistemology, and values is part of a broader history of research as an academic activity. Friedman's play on Lise Meitner will be performed on the main stage of Gothenburg City Theatre in June in connection with an international nuclear physics congress. Swedish Broadcasting will present the play in its popular Radio Theatre later this year.

The California Institute of Technology and the Francis Bacon Foundation are pleased to announce **Lawrence M. Principe**, Professor of History of Science and Technology and Chemistry at Johns Hopkins University as the first recipient of the Francis Bacon Prize in The History and Philosophy of Science and Technology. Offered biennially in the amount of \$20,000, the Prize is awarded to an outstanding scholar whose work has had substantial impact on the history of science, the history of technology or historically-engaged philosophy of science.

William Eamon, Regents Professor of History, New Mexico State University, was recently selected as the S.P. and Margaret Manasse Chair at New Mexico State University for 2004-2006. Eamon's research proposal, titled "Exploring the Margins of Early Modern Science," involves two independent but related projects. The first is a book under contract with Cambridge University Press, "Science and Everyday Life in Early Modern Europe, 1500-1750." The second is "Beyond the Black Legend: Spain and the Scientific Revolution," which will result in a major international conference to be held in Valencia, Spain, an edited book, and an interpretive monograph.

The Office of NIH History is pleased to announce the appointment of three DeWitt Stetten, Jr., Memorial Fellows in the History of Biomedical Sciences and Technology. The new fellows will be: **Maya Ponte**, an M.D.-Ph.D. candidate in medicine and medical anthropology at the University of California, San Francisco. She will work with the National Institute of Neurological Diseases and Stroke on "Transmissible Spongiform Encephalopathy in the U.S. and U.K." **Leo Slater**, a postdoctoral fellow at the Max Planck Institut für Wissenschaftsgeschichte in Berlin. He will work with the National Institute of Allergy and Infectious Diseases on the history of "Malaria Research at NIAID." **Claudia Wassman**, a physician who is completing a Ph.D. in the history of science and medicine at the University of Chicago. She will work with the National Institute of Biomedical Imaging and Bioengineering on the history of how imaging technology has shaped our understanding of emotion as a part of a larger project on "The Science of Emotion."

Janet Browne has been awarded the 2003 James Tait Black Memorial Prize for her biography, *Charles Darwin, Vol. II: The Power of Place* (Jonathan Cape). Dr. Browne joins such luminaries as Lytton Strachey, Lady Antonia Fraser, Quentin Bell, Martin Amis and Peter Ackroyd.

Keith Benson has been appointed as Principal of Green College, an interdisciplinary graduate student residential college at the University of British Columbia. The College was founded by Cecil Green and is beginning its second decade of existence. Benson will also be a tenured professor in the Department of History at UBC.

Jobs

The following announcements have been edited for space. For full descriptions and for the latest announcements, please visit <http://www.bssonline.org>. The Society does not assume responsibility for the accuracy of any item, and interested persons should verify all details. Those who wish to publish a job announcement should send an electronic version of the posting to newsletter@bssonline.org.

The Department of the History of Science at Harvard University invites applications for a senior professorial position in the history of the modern biological sciences (post-1859 to the present). The field is open, but scholars of biotechnology, genetics, molecular biology and evolutionary theory are of particular interest, as are scholars whose historical work draws on methodologies from fields such as anthropology, sociology, science studies, philosophy, and public policy. While the focus of the search is on identifying a candidate at the senior (full professorial) level, the appointment could be made at the advanced associate professorial level (untenured). Closing date for applications is October 1, 2004. For further information contact: Professor Anne Harrington, Chair, Senior Search in the History of Biology, Department for the History of Science, Harvard University, Science Center 371, Cambridge, MA 02138. E-mail: aharring@fas.harvard.edu.

The Lancaster University Department of History is advertising two professorial chairs and three lectureships. The field for the chairs is completely open and historians of science, technology, and medicine are warmly welcome to apply. The field for the lectureships will be decided in light of the professorial appointments. Details are available from Paolo Palladino: P.Palladino@lancaster.ac.uk.

An interdisciplinary research project on French philosophy of science – The History of the Philosophy of Science from 1860 to 1930: A Comparison of France and Germany – will begin next year at the **Department of Philosophy of the University of Tuebingen**, under the direction of the chairholder of Philosophy of Science and Logic, Prof. Dr. Michael Heidelberger. We are looking for an historian (of science)/ philosopher of science to collaborate on the application for the funding of a BAT-IIa (full-time) position, which would be held by the applicant in the event that funding is approved. Possible topics for the applicant's research project would include: the reception of French philosophy of science by the Vienna Circle, or German influence on the work of Gaston Bachelard and/or later philosophers working in this tradition. The project should run for a total of four years, of which the period of the first application will be two years. Aside from the independent research activities of the applicant, his or her duties will include collaboration on the development of an archive of materials for a comparative history of reception influences, collaboration on the organization of a scientific conference, as well as collaboration on the publication of results. Applicants must have completed a Ph.D. in History, preferably the History of Science, or in Philosophy of Science, and must have competence in French and German, as well as appropriate experience in research. The applicant should be willing to relocate to Tuebingen. Project applications can be submitted up until July 10, 2004. They should consist of a 3-4 page outline of the project, as well as a c.v. and list of publications. Applications and inquiries should be directed to: Prof. Dr. M. Heidelberger, Philosophisches Seminar der Universität Tuebingen, Bursagasse 1, 7207 Tuebingen. Tel: 0049-7071-2978303. E-mail: michael.heidelberger@uni-tuebingen.de.

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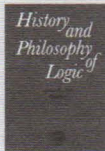
Annals of Science

Annals of Science is a quarterly journal currently in its 61st volume. The Journal is available to individual accredited members of the HSS at a preferential rate of GB £60/US \$99 per annual volume, compared with the usual personal rate of GB £313/US \$516. Web site: www.tandf.co.uk/journals/titles/00033790.asp.



History and Philosophy of Logic

History and Philosophy of Logic is a quarterly journal currently in its 25th volume (2004). The Journal is available to individual accredited members of the HSS at a preferential rate of GB £44/US \$72 per annual volume, compared with the usual personal rate of GB £150/US \$247. Web site: www.tandf.co.uk/journals/titles/01445340.asp.



History & Philosophy of the Life Sciences

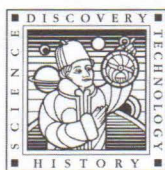
History & Philosophy of the Life Sciences is a quarterly journal currently in its 26th volume (2004). The Journal is available to individual accredited members of the HSS at a preferential rate of GB £73/US \$121 per annual volume, compared with the usual personal rate of GB £129/US \$214. Web site: www.tandf.co.uk/journals/titles/03919714.asp.

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**DIBNER
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TECHNOLOGY**

**DIBNER
INSTITUTE
FELLOWS
PROGRAMS
2005—2006**

FELLOWS PROGRAMS 2005 - 2006

The Dibner Institute for the History of Science and Technology invites applications to its three fellowship programs for the academic year 2005-2006: the Senior Fellows program, the Postdoctoral Fellows program, and the Science Writer Fellowship. Appointments are based on applicants' earlier work and the significance of the research projects submitted. Applications for the Senior and Postdoctoral Programs are available on the Dibner website.

The Dibner Institute, established in 1992, is an international center for advanced research in the history of science and technology. It offers the resources of the Burndy Library, a major collection of both primary and secondary material in the history of science and technology, and is the cornerstone of the Dibner Institute Consortium consisting of the Massachusetts Institute of Technology, the host institution; Boston University; and Harvard University.

The Institute's primary mission is to support scholars doing advanced research in the history of science and technology and favors projects that address events dating back thirty years or more. The Institute generally does not support projects in the history of clinical medicine although it is not always possible to make strict distinctions between the history of medicine and the history of biology.

This year, 2004-2005, a Science Writing Fellowship was awarded to a senior science writer with a substantial track record reporting for a general audience, who is pursuing a major project related to the Institute's mission.

Senior Fellows Program

Candidates for Senior Fellowships are expected to provide evidence of substantial scholarly experience and accomplishment. They may apply for a second fellowship appointment five years after their first successful application. Scholars may apply to the Senior Fellows program for the Fall Term, beginning August/early September through December 31; the Spring Term, January 1 through May 31 or later, or both terms. The Institute prefers that Senior Fellows apply for a two-term, full-year residency if possible.

Postdoctoral Fellows Program

Fellowships are awarded to outstanding scholars of diverse countries of origin who have received the Ph.D. or equivalent within the previous five years. Postdoctoral Fellowships run for one year, from September 1 through August 15, and may be extended for a second and final year at the discretion of the Dibner Institute. A second year is not guaranteed; re-appointments will be considered in conjunction with the other applicants for that year.

Science Writer Fellowship

This appointment is for a calendar year beginning September 1. This Fellow will enjoy the camaraderie of the other Dibner Fellows and the opportunity to participate in the activities of MIT's Graduate Program in Science Writing and the Knight Science Journalism Program. Applications should include a cover letter, a resume, a two-page project description, two letters of recommendation, and two writing samples.

Terms and Conditions

All Dibner Institute Fellows are expected to reside in the Cambridge/Boston area during the terms of their grants, to participate in the activities of the Dibner Institute community, and to present their work once during their fellowship appointment. Fellowships provide office space, support facilities and full privileges at the Burndy Library and the libraries of consortium universities.

The deadline for receipt of applications for 2005-2006 is December 31, 2004. Fellowship recipients will be announced in March, 2005. Please send requests for further information to:

Trudy Kontoff, Program Coordinator
**Dibner Institute for the History of
Science and Technology**
MIT E56-100, 38 Memorial Drive
Cambridge, Massachusetts 02139
Telephone: 617. 253.6989
Facsimile: 617.253.9858
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DIBNER INSTITUTE NAMES SENIOR FELLOWS, POSTDOCTORAL FELLOWS and GRADUATE STUDENT FELLOWS for 2004-2005

The Dibner Institute for the History of Science and Technology is pleased to announce the appointments of the Dibner Institute Fellows for 2004-2005. The Institute will welcome eleven Senior Fellows, one Science Writer Fellow, two Senior Research Scholars, four Postdoctoral Fellows, five re-appointed Postdoctoral Fellows, and seven Graduate Student Fellows.

SENIOR FELLOWS

Thomas Archibald is Professor of Mathematics, Acadia University, Nova Scotia. He is author of "Charles Hermite and German Mathematics in France," and has a book manuscript in progress expanding on this article. His project at the Dibner Institute will examine the transformation of the mathematical research community in France between the onset of the Franco-Prussian War and the end of World War I.

Sonja Brentjes is an independent scholar based in Berlin. She is the author of several articles on Islamic science, including "Between Doubts and Certainties: on the Place of History of Science in Islamic Societies" (NTM, 2003). Her research at the Dibner will take a wide view of Islamic science, asking whether different types of dynasties and courts in the Islamic world sponsored different types of scientific activities.

David Cahan, Professor of History at the University of Nebraska, is the editor of *Herman von Helmholtz and the Foundations of Nineteenth-Century Science* (California, 1993) and editor and translator of Helmholtz's letters to his parents and a collection of Helmholtz's philosophical essays. He plans to finish his biography of Helmholtz during his fellowship year at the Dibner Institute.

Olival Freire Jr, Professor, Universidade Federal de Bahia, Brazil, is the author of the book, *David Bohm e a Controversia dos Quanta*, 1999 and numerous articles in Portuguese and English. His project at the Dibner Institute will explore changes in the quantum controversy and the consensus and dissension in physics in the second half of the 20th century.

Giora Hon, University of Haifa, Israel, is well known for such historical and philosophical writings on error in science as "Towards a Typology of Experimental Errors: An Epistemological View" (SHPS, 1989) and "Putting Error to (Historical) Work: Error as Tell-tale in the Studies of Kepler and Galileo" (Centaurus, 2003). At the Dibner Institute he will work on a monograph on error and experimentation and continue his joint effort with Bernard Goldstein on the history of the concept of symmetry.

Cesare Maffioli, who teaches at Ecole Européenne in Luxembourg, is author of *Out of Galileo: The Science of Waters: 1628-1718* (Erasmus, 1994) and editor, with A. Fiocca and D. Lamberini, of *Arte e Scienza delle acque nel Rinascimento*. His project while at the Dibner Institute is to continue work on a volume entitled "The Way of Waters: From Art to Science 1557-1697," which examines the changing relationships between the mechanical arts and the mathematical sciences during the Scientific Revolution.

Coneverly Valencius, on the faculty of the Department of History, Washington University, St. Louis, is author of *The Health of the Country: How American Settlers Understood Themselves and Their Land* (Basic, 2002). The book she will be working on at the Dibner Institute, entitled "The River Ran Backward: The Great New Madrid Earthquakes of 1811-1812," will be a history of these intraplate earthquakes and the continuing impact they have had on seismology.

James Voelkel, an independent scholar, is the author of *The Composition of Kepler's 'Astronomia Nova'* (Princeton, 2001) and *Johannes Kepler and the New Astronomy* (Oxford, 1999). At the Dibner Institute he will be producing the first English translation of Kepler's *Rudolphine Tables*, with commentary, tracing the influence these tables had on 17th century astronomy and comparing them with other planetary tables of the time.

Sara Wermiel, an independent scholar who is currently a Visiting Scholar at MIT, is the author of *The Fireproof Building: Technology and Public Safety in the Nineteenth-Century American City* (Johns Hopkins, 2000). At the Dibner Institute she plans to complete her book-length study of the engineering accomplishments of American architect-engineers in the nineteenth century and the emergence of structural engineering as an engineering specialty at the end of this century.

SCIENCE WRITER FELLOW

Seth Shulman, is a free-lance writer, whose most recent book, *Unlocking the Sky* 2002, is a historical narrative about aviation pioneer Glen Curtiss and the birth of the airplane. He has written two other books and hundreds of articles for magazines such as *Smithsonian*, *The Atlantic*, *Parade*, *Discover*, *Rolling Stone* and *Time*. His project while at the Dibner Institute will be the exploration of the relationship between Alexander Graham Bell and Thomas Alva Edison.

SENIOR RESEARCH SCHOLAR

W. Ford Doolittle, is Professor and Chair of the Department of Biochemistry and Molecular Biology at Dalhousie University, Nova Scotia, and a Member of the U. S. National Academy of Sciences. As a molecular geneticist he has been one of the seminal figures in the new science of molecular phylogenetics. At the Dibner Institute he intends to complete his book, "Tree of Life, Web of Life," which will place in historical context current controversies in microbial molecular phylogenetics.

Alan Stahl is the author of *Zecca: The Mint of Venice in the Middle Ages*, 2000 and editor of *The Documents of Angelo de Cartura and Donato Fontanella: Venetian Notaries in 14th Century Crete*. He will be continuing his work on a scholarly edition of the 15th-century Venetian manuscript of the merchant mariner Michael of Rhodes.

POSTDOCTORAL FELLOWS (First Year)

Kristine Harper received her Ph.D. in History of Science from Oregon State University in 2003. She has finished a book-length manuscript,

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"Weather by the Numbers: The Genesis of Modern Meteorology," based on her dissertation. At the Dibner Institute she will be working on a new book on the history of efforts on weather control techniques in the post-World War II era and their reception within the private sector and the U. S. government.

Andrew Johnston is a doctoral candidate in Architectural History at the University of California, Berkeley, finishing his dissertation, "Quicksilver Landscapes: Space, Power, and Ethnicity in the Mercury Mining Industry in California and the West, 1845-1920." At the Dibner Institute he will be investigating a historical correlation that he has found between the technologies of mercury amalgamation and the technologies of reducing mercury from its ore, cinnabar.

Takashi Nishiyama is a doctoral candidate at The Ohio State University, writing a dissertation entitled "Swords into Plowshares: Civilian Application of Wartime Aeronautical Technology in Modern Japan, 1918-1963," based on extensive archival work he has carried out in Japan. At the Dibner Institute he will be continuing his research on technology transfer from aeronautics to the high-speed bullet train in post-War Japan.

Chen-Pang Yeang is a doctoral candidate in MIT's Program in Science, Technology, and Society, writing a dissertation on long-distance radio-wave propagation and technologies for dealing with interference from 1900 to 1940. His principal project while at the Dibner Institute will be to turn his dissertation into a book, though he also intends to expand upon research he has done on Newton's theory of comet orbits.

POSTDOCTORAL FELLOWS (Second Year)

Peter Bokulich received his Ph.D. in philosophy from the University of Notre Dame in 2003. His dissertation analyzed proposed solutions to Hawking's information-loss paradox by invoking Niels Bohr's epistemology of complementarity. At the Dibner Institute he is completing a book exploring controversies about quantum electrodynamics in the 1930s and 1940s and their later transformation when applied to the gravitational field.

Claire Calcagno received her Ph.D. in Archaeology from Oxford University and was then a Visiting Scholar in MIT's Program in Science, Technology, and Society, working in the Deep-Water Archaeology Research Program. Her research at the Dibner Institute is focusing on Harold Edgerton's innovative engineering contributions to maritime archaeology, including various instruments he designed that now reside in the MIT archives.

Dane Daniel received his Ph.D. in September 2003 from Indiana University. He is the author of the article "Paracelsus on Baptism and the Acquiring of the Eternal Body," in *Paracelsian Moments*, ed. Williams and Gunnoe (2002). At the Dibner Institute he is working on an English translation of the *Astronomia Magna*, continuing his study of Paracelsus's unedited theological manuscripts, and preparing his book on Paracelsus for publication.

Gerard J. Fitzgerald received his Ph.D. from Carnegie Mellon University in 2003. He is currently working on a book-length manuscript, expanding on his dissertation on the medical and technological history of airborne disease. He is also completing a chapter on the history of industrial microbiology for a

forthcoming Dibner publication, "The Business of Life: A Century of Life Sciences, Industry, and Biotechnology in International Perspective."

David Pantalony, received his Ph.D. from the University of Toronto, and recently worked as a curator of scientific instruments at Dartmouth College. He is the author of the article in press, "Rudolph Koenig's Workshop of Sound: Instruments, Theories and the Debate over Combination Tones," in *Annals of Science*. He is co-author of a forthcoming book on Dartmouth's instrument collection. At the Dibner he is completing a book about the Parisian nineteenth-century instrument maker and scientist, Rudolph Koenig.

GRADUATE STUDENT FELLOWS

Alexander Brown, a student in MIT's Program in Science, Technology and Society, received first-class honors from University of Otago, New Zealand. The title of his thesis is "From Apollo I to Columbia: Accidents, Politics and Engineering Cultures at NASA, 1967-2003."

Luis Campos, Department of the History of Science, Harvard University, received the A.B. with honors from Harvard, and a M. Phil. First-Class from the University of Cambridge. His dissertation explores the strong connection between radioactivity and the origins of life in the first decades of the twentieth century.

Abena Dove Osseo-Asare, Department of the History of Science, Harvard University received the A.B. from Harvard, *magna cum laude*. The title of her dissertation is "Representing Poison: Scientists, Healers and the Transformation of Plant Medicine in Ghana (1850-2000)," in which she explores the interactions between scientists and healers vying for control of information on therapeutic plants.

Peter Shulman, a student in MIT's Program in Science, Technology and Society, received his B.S. in Mathematics from MIT. He is the author of "Science Can Never Demobilize: The United States Navy and Petroleum Geology, 1898-1924," *History and Technology*, 2003. His dissertation will explore the history of alternative energies in the United States, 1890s - 1940s.

Jenny Leigh Smith, a student in MIT's Program in Science, Technology and Society, received the B.A. from Macalester College. Her dissertation, "The Soviet Farm Complex: Socialist Agriculture in an International Context, 1948-1972," explores the long-term implications of agricultural industrialization in the Soviet Union.

Dr. Katrien Vander Straeten, is a student in Boston University's Center for Philosophy and History of Science. In 2003 she received the Ph.D. with Greatest Distinction from the Free University of Brussels. The tentative title of her dissertation at Boston University is "Reasons & Causes: Kant's Debt to Leibniz with regard to Causality."

Anya Zilberstein, a student in MIT's Program in Science, Technology and Society, received the B.A. *summa cum laude* from the University of Massachusetts, Amherst. For her dissertation she will explore the history of agriculture in the Atlantic colonies of the British Empire, late 17th - early 19th century.

ISIS BOOKS RECEIVED

Prior to the publication of each *Newsletter*, the HSS Executive Office receives from the *Isis* Editorial Office a list of books received by that office for potential review. This list appears here quarterly; it is not compiled from the annual *Current Bibliography*. You may also view this list and prior lists online at http://www.hssonline.org/society/isis/mf_isis.html.

Abelshausen, Werner; Von Hippel, Wolfgang; Johnson, Jeffrey Allan; Stokes, Raymond G. *German Industry and Global Enterprise. BASF: The History of a Company.* ix + 677 pp., app., bibl., index. Cambridge: Cambridge University Press, 2004. \$75.00 (hardback). ISBN 0521827264.

Andrews, Richard. *Managing the Environment, Managing Ourselves: A History of American Environmental Policy.* xiii + 463 pp., illus., fig., chronol., notes., bibl., index. New Haven/London: Yale University Press, 1999. \$70.00 (Cloth); 32.50 (paper). ISBN 0300073585.

Arecco, Davide. *Mongolfiere, scienze e Lumi nel tardo Settecento.* 296 pp., images, appendices, index, bibliographic notes. Bari: Cacucci Editore, 2003. CD Incl. ISBN 8884222575.

Chebotarev, Tanya; Ingersoll, Jared (Editors). *Russian and East European Books and Manuscripts in the United States.* 139pp. Includes bibliographic notes. Binghamton, NY: Haworth Information Press, 2003. ISBN 0789024055.

Ciucci, Argante. *Luca Pacioli e la matematizzazione del sapere nel Rinascimento.* 292 pp., images, diagrams, appendices, index, bibliographic notes. Bari: Cacucci Editore, 2003. CD Incl. ISBN 8884222699.

Cirillo, Vincent J. *Bullets and Bacilli: The Spanish-American War and Military Medicine.* xii + 241pp. Includes illustrations, notes, bibliography, index. Piscataway, New Jersey: Rutgers University Press, 2004. \$50.00 (cloth). ISBN 0813533392.

Cole, Sally; Landers, Ruth. *A Life in Anthropology.* vi + 299pp., bibliography., notes, index. Lincoln: University of Nebraska Press, 2004. \$55.00 (cloth). ISBN 0803215223.

Conway, Jill; Keniston, Kenneth; Marx, Leo (Editors). *Earth, Air, Fire, Water: Humanistic Studies of the Environment.* ix + 349 pp., notes., bibliography, appendix. Boston University Press, 1999. \$50.00 (cloth), \$19.00 (paper). ISBN 1558492216.

Coulehan, Jack. *Chekhov's Doctors: A Collection of Medical Tales.* xxv + 199pp. Includes bibliography. Kent, Ohio: The Kent State University Press, 2003. \$12.60 (paper). ISBN 0873387805.

Dewitt, Richard. *Worldviews: An Introduction to the History and Philosophy of Science.* xii + 326pp., chapter notes, index. Malden, MA: Blackwell Publishing, 2004. \$29.95 (paper). ISBN 140511620x.

Donley, Carol; Buckley, Sheryl. *What's Normal? Narratives of Mental & Emotional Disorders.* xv + 355pp. Index, notes. Kent, Ohio: The Kent State University Press, 2000. \$20.30 (paper). ISBN 0873386531.

Evenden, Matthew D. *Fish Versus Power: An Environmental History of the Fraser River.* xvii + 309pp., bibl., index., New York: Cambridge University Press, 2004. \$65.00 (Hardback). ISBN 0521830990.

Fan, Fa-ti. *British Naturalists in Qing China: Science, Empire and Cultural Encounter.* Cambridge, Mass.: Harvard University Press, 2004. ISBN 0674011430.

Fleishhacker, Jochen; De Gans, Henk A.; Burch, Thomas K. *Populations, Projections and Politics.* x + 270pp. Includes figures, bibliography, index. Amsterdam: Rozenberg Publishers, 2003. ISBN 9051707479.

Hardcastle, Garly L.; Richardson, Alan W. *Logical Empiricism in North America.* xxix + 293pp., Includes bibliographic notes, index. Minneapolis: University of Minnesota Press, 2003. \$49.99 (cloth) ISBN 0816642214.

Johnson, Robert D. (Editor). *The Politics of Healing: Histories of Alternative Medicine in Twentieth-Century North America.* ix + 388 pp., notes, index. New York: Routledge, 2004. ISBN 0415933390.

Junker, Thomas. *Geschichte Der Biologie: Die Wissenschaft vom Leben.* 128pp. Includes images, bibliography, index. Munchen: C.H. Beck Wissen, 2004. ISBN 3406508340.

Keil, Inge (Editor). *Von Ocularien, Perspicillen und Mikroskopen, von Hungersnöten und Friedensfreuden, Optikern, Kaufleuten und Fürsten. Materialien zur Geschichte der optischen Werkstatt von Johan Wiesel (1583-1662) und seiner Nachfolger in Augsburg.* 260pp. Includes bibliography, cd-rom. Augsburg: Wißner-Verlag, 2003. ISBN 3896394053.

Knoppers, Laura Lunger and Joan B. Landes (Editors). *Monstrous Bodies/Political Monstrosities in Early Modern Europe.* xi + 320pp. Images, bibliography, notes on contributors, index. New York: Cornell University Press, 2004. \$59.50 (cloth). ISBN 0801441765.

Kohn, Martin; Donley, Carol; Wear, Delise (Editors). *Literature and Aging: An Anthology.* xviii + 434 pp. index. Kent, Ohio: The Kent State University Press, 1992. \$24.07 (paper). ISBN 0873384660.

LaPorte, Joseph. *Natural Kinds and Conceptual Change.* x + 221 pp., notes, refs., index. Cambridge: Cambridge University Press, 2004. \$70.00 (hardback). ISBN 0521825997.

Lombroso, Cesare; Ferrero, Guglielmo. *Criminal Woman, the Prostitute, and the Normal Woman.* xiv + 304 pp. Includes notes, glossary, references, illustrations. London: Duke University Press, 2004. \$21.95 (paper). ISBN 0822332469.

Long, Greg. *The Making of Bigfoot, The Inside Story.* 475pp. Includes images, bibliography, index. Amherst, New York: Prometheus Books, 2004. ISBN 1591021391.

Ochs, Sidney. *A History of Nerve Functions. From Animal Spirits to Molecular Mechanisms.* ix + 438pp., illus., figs., bibl., index. (New York: Cambridge University Press, 2004). \$100.00 (Hardback). ISBN 052124742x.

Owen, Alex. *The Place of Enchantment: British Occultism and the Culture of the Modern.* xiv + 355pp. Includes bibliography, index. Chicago: University of Chicago Press, 2004. (hardcover) \$30.00 ISBN 0226642011.

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Penz, Francois; Radick, Gregory; Howell, Robert. *Space in Science, Art and Society.* v+206pp., illus., figs., bibl., notes on contributors., index. New York: Cambridge University Press, 2004. \$45.00 (Hardback). ISBN 0521823765.

Rusnock, Andrea A. *Vital Accounts: Quantifying Health and Population in Eighteenth-Century England and France.* xiv + 249 pp., illus., bibl., index. Cambridge: University of Cambridge Press, 2002. ISBN 0521803748.

Sayyid, Ayman Fuad. *Al-Mawa'iz Wal-i'tibar: Fi Diker Al-Hitat Wal-atar de Maqrizi Vol. IV/1.* London: Al-Furquan Islamic Heritage Foundation, 2003. ISBN 1873992742.

Sayyid, Ayman Fuad. *Al-Mawa'iz Wal-i'tibar: Fi Diker Al-Hitat Wal-atar de Maqrizi Vol. IV/2.* London: Al-Furquan Islamic Heritage Foundation, 2003. ISBN 1873992750.

Shamdasani, Sonu. *Jung and the Making of Modern Psychology: The Dream of Science.* xv+387pp., bibl., index. New York: Cambridge University Press, 2003. \$26.60 (Cloth). ISBN 0521831458.

Shephard, David A.E. *Island Doctor: John Mackieson and Medicine in Nineteenth Century*

Prince Edward Island. xxviii + 187pp. Includes: illustrations, appendices, bibliographic notes, index. Montreal: McGill-Queens, 2003. ISBN 0773525246.

Slater, Candace (Editor). *In Search of the Rain Forest.* x+318pp. Includes notes on contributors, index. Durham: Duke University Press, 2004. \$22.95 (Paperback) ISBN 0822332183.

Staley, Kent W. *The Evidence for the Top Quark: Objectivity and Bias in Collaborative Experimentation.* xvi+343pp.,illus., figs., bibl., index., New York: Cambridge University Press, 2004. \$70.00 (Hardback). ISBN 0521827108.

Stanton, J. Linden. *The Alchemy Reader: From Hermes Trismegistus to Isaac Newton.* xi +260pp. Includes illustrations, glossary, bibliography, index. New York: Cambridge University Press, 2003. ISBN 0521796628.

Teresa, Brennan. *The Transmission of Affect.* xi + 227pp. Includes bibliographic notes, index. Ithaca, NY: Cornell University Press, 2004. ISBN 0801488621.

Udias, Augustin. *Searching the Heavens and the Earth: The History of Jesuit Observatories.* xiii+369pp. Includes illustrations, bibliography, notes, index. Dordrecht: Kluwer Academic Publishers, 2003. ISBN 140201189x.

Verderber, Stephen; Fine, David J. *Healthcare Architecture in an Era of Radical Transformation.* xii+404pp. Includes figures, bibliographic notes, New Haven: Yale University Press, 2000. ISBN 0300078390.

Williams, Roger L. *French Botany in the Enlightenment: The Ill-fated Voyages of La Pérouse and His Rescuers.* (International Archives of the History of Ideas, 182) 240 pp., illus., bibl., index. Dordrecht: Kluwer Academic, 2001. \$85 (cloth). ISBN 1-4020-1109-1.

Youngquist, Paul. *Monstrosities: Bodies and British Romanticism.* Xxxi +224pp., Includes illustrations, bibliographic notes, index. Minneapolis: University of Minnesota Press, 2004. \$54.95 (cloth). ISBN 0816639795.

Zammito, John H. *A Nice Derangement of Epistemes: Post Positivism in the Study of Science from Quine to Latour.* X +390pp., bibliographic notes, index. Chicago: University of Chicago Press, 2004. \$27.00 (paper). ISBN 0226978621.

Ziolkowski, Theodore. *Clio the Romantic Muse: Historicizing the Faculties in Germany.* xii + 215pp. Includes bibliographic notes, index. Ithaca, NY: Cornell University Press, 2004. ISBN 0801442028.

ISIS BOOKS MISSED

Due to database glitches some recently published books were not included in the January and April 2004 Newsletters. We are publishing the missed books in two parts – half this issue and half next issue.

Agar, Jon. *The Government Machine: A Revolutionary History of the Computer.* viii + 554 pp., notes, index. Cambridge and London: The MIT Press, 2003. \$50.00 (cloth). ISBN 0262012022.

Akbari, Suzanne Conklin. *Seeing Through the Veil: Optical Theory and Medieval Allegory.* 375pp., Toronto: University of Toronto Press, 2004. \$65.00 (cloth). ISBN 0802036058/.

Alexander, Brian. *Rapture: How Biotech Became the New Religion.* 289pp. Index. New York: Basic Books, 2003. \$25.95(cloth) ISBN 0738207616.

Alexander, Rani T. *Yaxcaba and the Caste War of Yucatan: An Archeological Perspective.* xii + 207pp. images., tables., bibl., index. (Albuquerque: University of New Mexico Press, 2004). \$49.95 (cloth). ISBN 0826329624.

Allen, David E.; Hatfield, Gabrielle. *Medicinal Plants in Folk Tradition. An Ethnobotany of Britain and Ireland.* 431pp., illus., apps., bibl., indexes. Portland/Cambridge: Timber Press, 2004. \$29.95 (cloth). ISBN 0-88192-648-8.

Amaldi, Edoardo. *Da via Panisperna all'America: I fisici italiani e la seconda guerra mondiale.* 198 pp. Rome: Editori Riuniti, 1997. ISBN 8835943722.

Anderson, Marlow; Katz, Victor; Wilson, Robin (Editors). *Sherlock Holmes in Babylon and Other Tales Of Mathematical*

History. x+420pp. Index. Washington DC: The Mathematical Association of America, 2003. ISBN 0883855461.

Auyang, Sunny. *Engineering – An Endless Frontier.* xiii+ 344pp. Includes images, bibliography, index. Cambridge Massachusetts: Harvard University Press, 2004. ISBN 0674013328.

Badesa, Calixto. *The Birth of Model Theory: Löwenheim's Theorem in the Frame of the Theory of Relatives.* xiii +240 pp., apps., references, index. Princeton and Oxford: Princeton University Press, 2004. \$49.95. ISBN 0691058539.

Baird, Davis. *Thing Knowledge: A Philosophy of Scientific Instruments.* xxi + 273 pp., illus., references, index. Berkeley and Los Angeles: University of California Press, 2004. \$65.00. ISBN 0520232496.

Baker, Zachary M., (Editor). *Judaica in the Slavic Realm, Slavica in the Judaic Realm: Repositories, Collections, Projects, Publications.* 197 pp., index. New York: The Haworth Press, 2003. ISBN 0789022796.

Baldi, Marialuia; Canziani, Guido. *Cardano E La Tradizione Dei Saperi.* 635pp., images., appendix., (Italy: Francoangeli S.R.L, 2004). 39.50 euros (paper). ISBN 8846452674.

Banks, Erik C. *Ernst Mach's World Elements: A Study in Natural Philosophy.* 304pp. The Western Ontario Series in Philosophy of Science.

Dordrecht: Kluwer Academic Publishers, 2003. ISBN 140201662X.

Bitter, Francis. *Mathematical Physics: A Popular Introduction.* 188pp. Illus. New York, Dover Publications, 2004. ISBN 0486435016.

Black, Jeremy. *Maps and Politics.* 188pp. Illus. Chicago: University of Chicago Press, 2004. \$20.00 (paper). ISBN 0226054942.

Boczkowski, Pablo J. *Digitizing the News: Innovation in Online Newspapers.* xi+243pp. Notes. Biblio. Index. Cambridge: The MIT Press, 2004. ISBN 0262025590.

Bouloux, N.B. *Culture et saviors géographiques dans l'Italie du XVIe siècle.* ISBN 250351121X.

Bowles, Mark D.; Dawson, Virginia P. *With One Voice: The Association of American Medical Colleges 1876-2002.* 256 pp., apps., index. Washigton, D.C.: Association of American Medical Colleges, 2003. ISBN 1577540298.

Bown, Nicola; Burdett, Carolyn; Thurschwell, Pamela (Editors). *The Victorian Supernatural.* xv+305pp. Illus. Notes. Foreword., Biblio., Index. New York: Cambridge University Press, 2004. ISBN 0521810159.

Bradley, Patricia. *Mass Media and the Shaping of American Feminism, 1963-1975.* xviii + 322 pp., bibl., index. Jackson, MS: University Press of Mississippi, 2003. ISBN 1578066123.

- Brown, C. Suzanne.** *With A Camera in My Hands: William O. Field, Pioneer Glaciologist.* 300pp. Illus. Bibl. Index. University of Alaska Press, 2003. \$59.95(cloth). ISBN 1-889963-46-1.
- Buhle, Mari Jo.** *Feminism and its Discontents: A Century of Struggle with Psychoanalysis.* viii + 432 pp., index. Cambridge, Mass./London: Harvard University Press, 1998. \$35.00. ISBN 0674004035.
- Bulmer, Michael.** *Francis Galton: Pioneer of Heredity and Biometry.* xv+357pp. Bib., index. Baltimore: Johns Hopkins University Press, 2003. ISBN 0801874033.
- Burgess, Helen; Higgs, Harrison; Kendrick, Michelle; Markley, Robert.** *Red Planet: Scientific and Cultural Encounters with Mars.* DVD ROM, ISBN 0-8122-3620-3.
- Butrica, Andrew J.** *Single Stage to Orbit: Politics, Space Technology and the Quest for Reusable Rocketry.* xiii+266 pp., illus., bib., index. Baltimore: Johns Hopkins University . Press, 2003. ISBN 080187338-x.
- Candaux, Jean-Daniel and Drouin, Jean-Marc (Editors).** *Memoires et Souvenirs (1778-1841) de Augustin-Pyramus de Candolle.* xv+ 591pp. Index. Bibliotheque D'histoire des Sciences. Paris: Georg Editeur, 2004. ISBN 2825708321.
- Canone, Eugenio (Editor).** *La Filosofia Di Giordano Bruno: Problemi Ermeneutici E Storiografici.* Convegno Internazionale. Lessico Intellettuale Europeo XC. viii+ 464pp. Index. Firenze: Leo S. Olscheki Editore, 2003. ISBN 882225189x.
- Cardano, Girolamo.** *De Subtilitate.* 720pp., images., indexes., (Italy: Francoangeli S.R.L., 2004). 45 euros (paper). ISBN 8846454480.
- Celal, Sengor A. M.** *The Large-Wavelength Deformations of the Lithosphere: Materials for a History of the Evolution of Thought from the Earliest Times to Plate Tectonics.* (Memoir 196). xvii+347pp., illus., bibil., index. Boulder: The Geological Society of America, 2003. \$100 (cloth). ISBN 0813711967.
- Chikara Sasaki.** *Descartes' Mathematical Thought.* xiv + 496 pp., bibl., indexes. Dordrecht/Boston/London: Kluwer Academic Publishers, 2003. \$158; 144. ISBN 1402017464.
- Clavelin, Maurice.** *Galilée copernicien. Le premier combat (1610-1616).* Bibliothèque de l'évolution de l'humanité. 300pp. App. Index. Paris: Editions Albin Michel, 2003. ISBN 2226142355.
- Cockell, Charles S. (Editor).** *Martian Expedition Planning.* 506pp. American Astronautical Society and the British Interplanetary Society. Volume 107 Science and Technology Series. App. Index. California: Univelt, 2004. ISBN 0877035083.
- Connor, Steven.** *The Book of Skin.* 304pp. Ithaca: Cornell University Press, 2004. \$29.95 (paperback). ISBN 0801488931.
- Corry, Leo.** *Modern Algebra and the Rise of Mathematical Structures.* viii+ 431pp., index. First Edition 1996. Switzerland: Birkhauser Verlag, 2004. ISBN 3764370025.
- Crato, Nuno; Reis, Fernando; Tirapicos, Luis.** *Trânsitos de Vênus: À Procura da Escala Exata do Sistema Solar.* 184pp. Apps, Biblio., Index. Portugal: Gradiva, 2004. ISBN 9726629640.
- Crawford, Elisabeth; Svansson, Artur.** *Neptune Och Mammon: Otto Petterssons Brev till Gustaf Ekman 1884-1929.* 220pp. Sweden: Tre Böcker Förlag AB, 2004. ISBN 9170295301.
- Cremona, Micheal A.** *Human Devolution: A Vedic Alternative to Darwin's Theory.* xxx+554pp. Bio. Index. California: Torchlight Publishing, 2003. ISBN 0892133341.
- Crocker, Robert.** *Henry More, 1614-1687 A Biography of the Cambridge Platonist.* xxvi + 275pp., bibl., index. (Dordrecht/ Boston/London: Kluwer Academic Publishers, 2004). \$130.00 (cloth). ISBN 140201502.
- Crosby, Alfred W.** *Ecological Imperialism: The Biological Expansion of Europe, 900-1900.* xxii+368pp. Illus.,app., index., Cambridge: Cambridge University Press, 2004. ISBN 0521546184.
- Daston, Lorraine (Editor).** *Things That Talk: Object Lessons from Art and Science.* 250pp. 82 illus. Cambridge MA: MIT Press, 2004. \$30.00 (cloth). ISBN 0890951439.
- Debré, Patrice.** *Louis Pasteur.* xxv + 552 pp., illus., bibl., index. Baltimore: The Johns Hopkins University Press, 1998 (1994). \$59.95 (cloth). ISBN 0-8018-6529-8.
- Dietrich Stoltzenberg.** *Fritz Haber: Chemist, Nobel Laureate, German, Jew.* 352pp. Illus., Notes., Index. Philadelphia: Chemical Heritage Foundation Publications, 2004. \$40.00 (cloth). ISBN 0941901246.
- Dreger, Alice Domurat.** *One of Us: Conjoined Twins and the Future of Normal.* 193pp. Index. Cambridge: Harvard University Press, 2004. ISBN 0674012941.
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HSS Election Results

The results of the 2004 election appear below. We extend a warm thank you to all of the candidates and congratulate those who will be serving the HSS. We would also like to extend our deep appreciation to the members of the nominating committee (Katharine Park, chair; Thomas Broman, Mott T. Greene, Susan E. Lederer, and Karen Parshall).

HSS Council

(Term: 1 Jan 2005 to 31 Dec 2007)

Joe Dauben
Peggy Kidwell
Ted Porter
Robin Rider
Jessica Wang

Nominating Comm. at large

(Term: 1 July 2004 to 30 June 2005)

Cathryn Carson
James Fleming
Anita Guerrini

Nominating Comm. from Council

(Term: 1 July 2004 to 30 June 2005)

Lynn Nyhart
Jim Secord



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