



NEWSLETTER

OF THE SOCIETY FOR THE HISTORY OF TECHNOLOGY

No. 116, n.s., October 2007

SECRETARY'S MESSAGE

SHOT has now officially turned fifty – happy anniversary! The celebration at our Washington, D.C. annual meeting proved really special, with an overwhelming richness of offerings, from our Kranzberg's Law commemorative posters through all the extra anniversary plenaries, panels, and workshops. Our pre-conference workshop brought together some of the most exciting work by both junior and senior scholars in our area; for any of you who were unable to attend, you can still read their papers online through the SHOT website. Similarly, it's a pleasure to note that on the SHOT website now, you can also listen (or re-listen) to audio files of all the talks given at SHOT's Wednesday night public plenary (featuring Henry Petroski, Rosalind Williams and Charles Vest) and the Thursday night anniversary plenary, "What Hath SHOT Wrought: A New Appraisal" (featuring Tom Hughes, Wiebe Bijker, and Rebecca Herzig). You can also retrieve an audio file of SHOT's very special Da Vinci Medalists' Roundtable, where twelve of our society's most distinguished members debate questions such as "What is technology, anyway?" These discussions repay visitation at leisure, and we encourage you to share these papers and panels with your students and others.

SHOT meetings are always a collaborative effort, but this celebration would have been impossible without the united energies and enthusiasm of a particularly large group. Several years ago, SHOT assembled a planning committee, under the excellent leadership of co-chairs Steve Cutcliffe and Robert Post. These two dedicated members poured countless hours into working out all the meeting details, with the aid of their committee

members. Debbie Douglas coordinated our complex arrangements for audiotaping and videotaping anniversary events; as noted above, some of this material is already now available to everyone through our website (with thanks to webmaster Joe Schultz), while other tapes will be edited and preserved for the long-term record. Ruth Schwartz Cowan concentrated on arranging our Da Vinci panel, along with separate oral history interviews of these medal winners to capture their insights into SHOT's past, present and future. Bruce Seely took charge of SHOT's special all-day anniversary pre-meeting workshop, while Hans-Joachim Braun took charge of entertainment, aided by Jim Williams and Betsy Mendelsohn. Our local arrangements committee, Art Molella, Maggie Dennis, and Paul Ceruzzi, handled unique demands that went above and beyond the normal work of a non-anniversary year, including coordination of events at four different venues. Our SHOT officers, Steve Usselman, Arne Kaijser, Richard Hirsh, and John Staudenmaier, along with former president Rosalind Williams, all pitched in to ensure our meeting's success.

In This Issue

Prize winners.....	3
Election results.....	5
President's message.....	5
Announcements.....	7
Calls for Papers.....	10
Fellowships and Grants.....	10
Employment.....	14

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SHOT Newsletter Editorial Policies, Advertising Rates, and Submission Deadlines

The SHOT *Newsletter* is published quarterly in April, July, October, and January and is sent to all individual members of the Society. Items for inclusion will be published **if received by the 1st of the previous month**. Please note that material for the newsletter may be submitted via electronic mail. Non-members and institutions may receive the *Newsletter* by separate subscription for \$15 per year. The *Newsletter* can also be read at the SHOT website.

Readers should verify closing dates and other information provided by institutions and sponsors; the editor and SHOT are not responsible for changes or typographical errors. Advertising for books, journals, and other matters related to the interests of the Society and its members is accepted if received by the 1st day of the previous month.

Advertising Rates: Full page (7-1/2" x 9-1/2"), \$200;
 Half page (7-1/2"x5" or 3"x 9-1/2"), \$150;
 Quarter page (3" x 5"), \$100

The SHOT logo was created by Brickworks of London

And of course, this year's program committee of Jennifer Light, Martina Hessler, and chair Paul Ceruzzi put together a strong set of papers and sessions that rewarded all attendees. SHOT's anniversary was honored by many institutional friends and collaborators who offered their congratulations on our anniversary and support; please see elsewhere in this newsletter for acknowledgement of our major anniversary sponsors.

The unusual pressure of the DC fiftieth-anniversary meeting left many of us simultaneously exhausted and exhilarated, but in many ways, the fun is only starting. Our annual meeting in fall 2008 in Lisbon will also be part of SHOT's official anniversary celebration, extending our dialogue to new people and topics. Our Portuguese colleagues have already begun planning a wide range of tours both in Lisbon itself and across the country, and our meeting will be in an absolutely gorgeous waterfront location.

Some very crucial announcements here regarding our meeting in Portugal: First of all, please note that there has been a slight change in dates since the initial plans; the Lisbon meeting will now be held October 11-14, 2008. Second, due to the nature of European hotel management, the deadline for reserving hotel rooms at the special conference rate will be much earlier than usual, in mid-spring 2008 (though reservations can be made and then cancelled if you find yourself unable to attend after all). Some of our other meeting deadlines, including the call for papers, may also be slightly earlier than usual to accommodate this schedule. Please be sure to check the SHOT website regularly over the next few months for further announcements of deadlines and full details of plans for the Lisbon meeting.

We are also extremely pleased with the very generous response of so many of our SHOT members to our request for special contributions to offset our anniversary celebration expenses. We apologize that we have not yet caught up with the process of acknowledging each donation. Cynthia Bennet, SHOT's administrative manager here at Iowa State University, did more than her usual wonderful job for this DC meeting, juggling not only the normal heavy tasks of organizing a major conference, but also all the extra anniversary work. Our D.C. meeting set a new record for attendance, probably at least 550 people. As you can imagine, the demands of processing over five hundred registrations, plus all the other chores, kept Cynthia busy full-time over the last few months. Now that the meeting

is concluded, we will return to the work of getting out thank-you letters to all our contributors, in time for tax season. And for those of you who meant to donate but had this intent slip your mind, it's not too late - we are still more than happy to accept donations to go toward our continuing costs of editing the tapes from the DC meeting and holding the Lisbon half of our anniversary celebration. We've now made it even easier for you to support SHOT, through a simple online form - please see the following page of this newsletter for details.

Amy Sue Bix
Iowa State University

New Dates!
Lisbon, Portugal
October 11-14, 2008

PLEASE NOTE THAT THERE HAS BEEN A SLIGHT CHANGE IN DATES FOR THE LISBON CONFERENCE.

PLEASE ALSO NOTE THAT DEADLINES FOR PROPOSAL SUBMISSION AND HOTEL RESERVATIONS FOR THE LISBON MEETING WILL BE EARLIER THAN USUAL.

CHECK THE SHOT WEBSITE OVER THE NEXT FEW MONTHS FOR THE LATEST INFORMATION.

2007 PRIZE WINNERS

Leonardo da Vinci Medal: David Hounshell

Brooke Hindle Post-Doctoral Fellowship: Heather Perry, "Recycling the Disabled: Army, Medicine, and Rehabilitation in WWI Germany."

2006 Joan Cahalin Robinson Prize: Anna Storm, "Interpretation Processes in Re-used Industrial Areas."

Samuel Eleazar and Rose Tartakow Levinson Prize: Eric Hintz, "Portable Power: Inventor Samuel Ruben and the Birth of Duracell."

IEEE Life Members' Prize in Electrical Engineering: Eden Medina, "Designing Freedom, Regulating a Nation: Socialist Cybernetics in Allende's Chile."

Abbott Payson Usher Prize: Carlo Belfanti, "Guilds, Patents, and the Circulation of Technical Knowledge: Northern Italy during the Early Modern Age."

The Dibner Award: Brunel's SS *Great Britain*, Great Western Docks, Bristol, England; director Matthew Tanner.

Sally Hacker Prize: Mark Katz, *Capturing Sound: How Technology Has Changed Music*.

Edelstein Prize: Gregory Clancey, *Earthquake Nation: The Cultural Politics of Japanese Seismicity, 1868-1930*.

Kranzberg Dissertation Fellowship: Etienne S. Benson, "Spying on the Wild: Science, Surveillance, and Survival in Cold War America."

Ferguson Prize: Marc Rothenberg, *The Papers of Joseph Henry*, Volume 11, (January 1866-May 1878: *The Smithsonian Years*).

International Scholars 2008-2009:

Katja Girschik (Switzerland)
Seong-Jun Kim (Korea)
Hugo Palmarola (Chile)
Srinivasa Rao (India)

Many thanks to our sponsors for their generous support of our SHOT Fiftieth-Anniversary Meeting in October 2007, in Washington D.C.

Sponsorship of our Wednesday night public plenary:

- The National Museum of Industrial History
- Additional support from the National Academy of Engineering

Sponsorship of our special pre-meeting anniversary workshop:

- The National Science Foundation
- The MIT Press
- Georgia Institute of Technology's Ivan Allen College
- Georgia Institute of Technology's graduate program in History and Sociology of Technology and Science

Sponsorship of our Thursday night opening plenary:

- The Rockefeller Archive Center
- The Chemical Heritage Foundation
- The Johns Hopkins University Press
- Additional support from the Carnegie Institution of Washington

Sponsorship of our Friday night reception and anniversary briefcases:

- The Smithsonian's Lemelson Center

Sponsorship of our anniversary Da Vinci medalists' panel:

- Carnegie Mellon University, Department of History
- The University of Virginia, Department of Science, Technology and Society

Sponsorship of our graduate student breakfast:

- Iowa State University, the ISU College of Liberal Arts and Sciences, and the ISU Department of History
- Iowa State University, Graduate Program in History of Technology and Science (HOTS)
- The University of Delaware
- The Royal Institute of Technology, Stockholm
- The University of Athens, Greece

Additional sponsorships:

- The University of Maryland, Graduate Program in the History of Science, Technology and Environment (hospitality suite and graduate student/international scholars' travel)
- Lehigh University, Program in Science, Technology, and Society and Department of History (graduate student/international scholars' travel)

ELECTION RESULTS

Executive Council:

Arwen Mohun
Colin Divall
Nina Wormbs

Editorial Committee:

Wiebe Bijker

Nominating Committee:

Suzanne Moon

PRESIDENT'S MESSAGE

At our recent fiftieth anniversary banquet in Washington, DC, I had an opportunity to reflect briefly on SHOT's history and its future prospects. Here are my remarks from that evening:

Fiftieth anniversaries are especially rich occasions. In this room, we can look around and see – in person – the full arc of SHOT's history: from the founders to the future. The youngest among us – those graduate students who managed to secure a ticket – may be in attendance some fifty years from now, when SHOT celebrates its centennial in some other ballroom. Perhaps, here in DC. Perhaps, as Rebecca Herzig suggested the other night at our plenary, at some virtual ballroom. Perhaps, even, somewhere south of the equator. (One can hope, anyway – and also strive.)

In the press to pull this week's events together, I have hardly had a moment to reflect upon SHOT's history. (I have some catching up to do on our website.) Unencumbered by facts, I am free to conjure a version of SHOT's past for imagination. (Reader's of essay exams will recognize the genre.)

I like to imagine those early founders as boat builders. Feeling trapped on the crews of ships they admired but did not captain, they cobbled together a craft of their own. Knowing Mel Kranzberg, the christening was likely far grander than the vessel itself. The event would certainly have made the news.

For a while, the founders marveled that the thing managed to stay afloat. They took turns at the helm, even swabbed the decks occasionally. But then, inevitably, they began to dream about acquiring a bigger ship – or maybe even a small one of their own. (Sailors among us will recognize the phenomenon.)

The new vessels could be complicated affairs. One might well differ about the trim – the set of the jib, and such. And the voyages were longer, more elaborate affairs. They required organization and planning. You couldn't turn these craft so easily. I suppose you could say they had *momentum*. Other craft began to gather in their wakes. There were several little constellations now – small fleets.

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Significantly, the old captain did not attempt to be an admiral. (This point was driven home to me this evening, in the recollections of our Da Vinci award winners.) Instead, he became a sort of friendly harbormaster, operator of an inviting – and safe – place of mooring.

The harbor was not large. A keen, fatherly observer could climb to a promontory, survey its waters, and make sense of the scene – if not necessarily bestowing his blessing upon it.

At this point, I can leaven my imaginings with personal reminiscence – so the fantasy grows. Truth be told, I skipped the hike up the promontory. (Like any self-respecting graduate student, I took one look at the crowded auditorium at the Smithsonian twenty-four years ago and went off to find barbecue in rural Maryland at a spot called the Dixie Pig – a foreboding of my future, I suppose.) At work, I rowed right out to assume a place in one of the fleets – though not quite sure which one. It was rougher out there than I had been led to believe. Choppier. Gusting winds, variable direction. *Hungry* sailors. Even some talk of mutiny.

I will fast forward now. I bobbed up, eventually, at the place that housed the old vessel, now in dry dock. A serious note: In January 1996, I taught my first class at Georgia Tech; that afternoon, I attended Mel Kranzberg's memorial service at the Atlanta Temple. Such are the mysteries of continuity and change that we celebrate tonight.

And now I have bobbed up *here*, with more than **600** other vessels, and perhaps more participating virtually.

We, *SHOT members*, may still be boat builders. But SHOT, collectively, is something else again. We are a *port of call* – a rich, diverse, exotic place, with vessels of many shapes from distant locales skippered by a wide variety of people and lots of interesting places on shore. And, also, a kind of public port authority, which builds and maintains a place we hope many, many vessels will find enchanting -- the sort of place to which they will want to return, perhaps not every year, but often. Stimulating. Challenging. Perhaps not quite *so safe*.

I am not sure how this happened. I was in the waters most of the time. But I know that it is a thing of

wonder – a marvelous sight to behold – both the ships at their moorings, *and the infrastructure*: a meeting; a journal; an electronic journal; web forums; newsletters, print and electronic; special interest groups; boutique conferences; travel budgets for young scholars and a revamped program for international scholars. It is quite a structure – a testimony to cooperative, unplanned, collaborative effort – something to *treasure*, to *celebrate*, and to *preserve*.

I cannot acknowledge all the builders. But I do want to recognize one extraordinary contribution: that of the Dibner family, especially Bern Dibner, his son David, and David's wife, Frances. For decades, the Dibner Foundation supported SHOT with annual donations of many thousands of dollars and occasional supplemental grants. When the foundation dissolved last year, it provided SHOT with a generous gift of \$125,000. Then, on April 18 of this year, my predecessor Rosalind Williams received a call from Frances Dibner. It would have been her late husband's eightieth birthday. Nothing, she told Roz, would have made him happier than to make a gift to SHOT. She matched the closing gift from the foundation with a check for the same sum drawn from her personal account.

These funds will permanently endow our museum prize and our travel grant program. Two critical pieces of the port's infrastructure are now secure. Frances could not be here this evening, but she sends her warm regards. I hope to visit her later this year. I would like to report to her that we acknowledged her generosity and her husband's legacy most warmly – and loudly.

In years to come, I hope we can celebrate many such occasions as *together* we secure other components of our port's infrastructure and place them on a similar footing. Our editorial endowment campaign is a good place to start. Please keep it in mind as you contemplate what SHOT has meant for your boat.

[P.S. Donations to SHOT can now be made electronically. To access the contributions form, go to www.historyoftechnology.org and click on "Donate to SHOT." Thank you! And thanks too, to the many people whose support made our anniversary events such a rousing and memorable success.]

Steve Usselman
Georgia Tech

RECENT PUBLICATIONS

Edward Henry Knight, *Knight's American Mechanical Dictionary* 3 vols.

(reprint Ottawa: Algrove Publishing, 2005), with a biographical introduction by Thomas A. Kinney)

How many historians of technology have stumbled across the red-rotted volumes of Edward Knight's magisterial 1870s *American Mechanical Dictionary* in library storage stacks and wished they owned a copy? Thanks to the efforts of an interested historian and an enterprising Canadian publisher, now they can. Algrove Publishing, a division of the giant Canadian tool company Lee Valley, has reprinted the work as part of its "Classic Reprint" series. At three volumes, nearly three thousand pages, and featuring more than 7,000 steel-plate engravings, Knight's dictionary was a unique and exhaustive attempt to tabulate manufacturing processes and mechanical inventions. Today it provides an unparalleled picture of nineteenth-century inventions and remains a valuable resource for historians of technology. Never reprinted, save for a limited 1970s edition by a tool collecting organization, Knight's magnum opus is now available in a beautifully-bound and reasonably-priced (compared to the costly originals) set. www.leevalley.com

NEWS OF MEMBERS

Dr. Leo B. Slater Appointed Historian at the Naval Research Laboratory

The Naval Research Laboratory (NRL) is pleased to announce the recent appointment of Dr. Leo B. Slater as the Laboratory's new historian. Dr. Slater will provide historical support to the NRL command, maintain the Laboratory's corporate memory, administer the oral history program, and carry out other preservation duties. He comes to NRL from the Office of NIH History and Museum at the National Institutes of Health (NIH) in Bethesda, Maryland.

Dr. Slater can be reached via email to leo.slater@nrl.navy.mil. To learn more about NRL and its history, visit www.nrl.navy.mil.

ANNOUNCEMENTS

2008 IEEE International Symposium on Technology and Society (ISTAS 08)

ISTAS 08 will be held June 26-28 in Fredericton, New Brunswick, Canada. ISTAS is the annual symposium of the IEEE Society on Social Implications of Technology.

The themes for ISTAS 08 are: Citizens, Groups, Communities and Information and Communication Technologies. The scope of ISTAS 08 will include research on:

How citizens, groups and communities are or could be linked with information and communication technologies (ICT)

Designing and developing ICT with and for citizens, groups, and communities.

ISTAS 08 will be a multi-disciplinary event for researchers in engineering, computer science, social sciences, arts and humanities; as well as community-based researchers, policy makers and technology user communities. Papers and discussions will address both the social and technical aspects of the specific topics.

Web site: <http://istas08.ca>

Contact: Bill.McIver@nrc.ca

Louisiana State University Press

Louisiana State University Press seeks submissions for a new series in science and technology studies, history of science, history of technology, and environmental studies. Please contact Joseph Powell, j.powell@lsu.edu, <http://www.lsu.edu/lSUPress/ContactUs/AcquisitionsJoseph> for further information.

**American Textile History Museum
previews plans for exhibition renovation at
Providence reception**

More than 40 area people related to the U.S. textile industry attended a reception for the American Textile History Museum (ATHM) on Friday September 28th at the Hope Club in Providence to acquaint them with plans for renovating the Museum's Textiles in America core exhibition.

The evening, hosted by Cranston Print Works Chairman and CEO George W. Shuster, National Textile Association President Karl H. Spilhaus, and Hayes Pump, Inc. Chairman Emeritus J. Craig Huff, Jr., featured a presentation by ATHM President and CEO James (Jim) S. Coleman on the Museum's collections and programs, and the exciting changes planned for its core exhibition, Textiles in America.

According to Mr. Coleman, displays of cutting edge textiles will include a glove designed for use by astronauts that won a contest held by NASA, 21st century biomedical textiles, nano textiles as well as conductive items, sports based products and textiles used by the military for shelter, protection of our soldiers and armor for Humvees. Visitors will have the opportunity to walk through a herd of faux sheep, a field of cotton and take a simulated parachute jump.

During the evening Mr. Coleman presented Messrs. Huff, Shuster, and Spilhaus, who are ATHM trustees, with a Distinguished Service Award for their efforts on behalf of the Museum.

The Museum temporarily closed to the public in July to begin removing exhibition objects for the renovation project, and is expected to have a grand reopening in late Spring 2008.

The American Textile History Museum collection is the most significant textile history collection in North America, with an extraordinary library and one of the world's largest and most important publicly held collections of tools, spinning wheels, hand looms and early production machines. Its collections include more than 5 million textile prints, fabric samples, coverlets and clothing. During construction, the Museum's Administrative offices are open; Collections department and the Osborne Library are

open by appointment, and selected school and scout programs are available. For information, call 978-441-0400, or visit www.athm.org.

Empire/Science/Technology: A Symposium

**Saturday Feb. 16, 2008, 9 am-4pm—Clemson
University, Clemson SC**

Speakers: Deepak Kumar (Professor of History of Science and Education, Jawaharlal Nehru University, New Delhi, India) "'New' Knowledge and 'New' Vision of India: A Cultural Study," Ross Bassett (North Carolina State), "Programming India, Programming America: The Indian Institute of Technology Kanpur, American Technical Assistance, and Computing in India and the United States, 1963-1980," Ann Johnson (University of South Carolina) "Intellectual, Political, and Economic Borderlands: Surveying in Colonial and National Contexts, 1750-1860," John Krige (Georgia Tech) on "Science, Technology and US Foreign Policy in Cold War Europe."

For more details and travel information see:

<http://www.clemson.edu/sts/empiresymposium.html>

University of Virginia

The Department of Science, Technology, and Society at the **University of Virginia** is pleased to announce that it has appointed **Dan J. Plafcan** as an assistant professor. Dan has a B.S. and M.E. in engineering and he received his Ph.D in Science and Technology Studies from Cornell University in 2007. Dan's dissertation was an investigation of technoscientific diplomacy, using an American-Japanese earth-resources satellite as a case study. His interests include the relationships between science, technology, and national security, the politics of technology transfer, as well as the political economy of East Asia. Dan has held fellowships from the National Science Foundation, the Social Science Research Council, and the Japanese Ministry of Education. During academic year 2007-08, he will complete his two-year postdoctoral fellowship at the Gerald R. Ford School of Public Policy at the University of Michigan and he will join UVa in the Fall of 2008.

Center for History and New Media

The Center for History and New Media (CHNM) at George Mason University announces two exciting opportunities for historians of science, technology, and industry: ECHO Online Collection Grants and a Digital History Workshop in New York.

CHNM's ECHO project is pleased to announce the availability of up to five \$1000 grants to fund current research projects involving the online collection of the recent history of science, technology, and industry. ECHO offers tailored consulting services to institutions and individual researchers with online projects or ideas, including help with strategic project planning, technology, website design, and outreach in building digital history collections. Examples of projects that employ ECHO's methods and technologies can be found at the ECHO Collecting Center (<http://echo.gmu.edu/collecting.php>) and include "A Thin Blue Line: The History of the Pregnancy Test Kit"

(<http://history.nih.gov/exhibits/thinblueline/>), a joint project by ECHO and the National Institute of Health, and "Remembering Columbia STS-107"

(<http://history.nasa.gov/columbia/Introduction.html>), an online exhibit by NASA. Please submit a grant proposal of no more than 500 words and a C.V. to chnm@gmu.edu with the subject line, "ECHO grant proposal," by **December 1, 2007**.

CHNM also invites public historians of science, technology, and industry in the New York area to our next workshop on the theory and practice of digital history. The workshop will be held on January 17, 2008 at the New York Public Library. Participants will explore the ways that digital technologies can facilitate the research, teaching, and presentation of history; genres of online history and tools; website infrastructure and design; scholarly collaboration; digitization and online collecting; the process of identifying and building online history audiences; and issues of copyright and preservation. There is no registration fee, but spaces are limited. Please submit an application form by **December 1, 2007** (available at <http://chnm.gmu.edu/tools/surveys/3794/>); accepted participants will be notified by December 10**.

About ECHO and the Center for History and New Media. Since 2001, the ECHO project (Exploring and Collecting History Online—Science, Technology, and

Industry, <http://echo.gmu.edu>) has promoted the collection and dissemination of the history of science and technology on the Web with the generous support of the Alfred P. Sloan Foundation. Since 1994, CHNM has used digital media and computer technology to develop innovative historical methods and tools for scholars, educators, students, and the general public.

New Graduate Program History of Science, Technology, & Medicine

University of Minnesota

The University of Minnesota is pleased to announce the formation of a new graduate program in History of Science, Technology, and Medicine resulting from the merger of the long-established graduate programs in History of Science and Technology and History of Medicine. In addition to its strong offerings in the social and intellectual history of science, technology, and medicine the new program will allow students to study the history of topics that lie at the boundaries of these areas such as biomedical engineering, the biomedical sciences, and the use of computer technology in health care and the health sciences. Substantial financial aid is available in the form of fellowships and teaching and research assistantships, and applications for graduate study are now being accepted for admission in fall 2008.

The new program has eleven faculty members: Jennifer Alexander (modern European technology), Mark Borrello (modern biology), John M. Eyler (modern medicine and public health), Jennifer Gunn (modern medicine and social sciences), Michel Janssen (modern physics), Susan Jones (modern biomedical and life sciences), Sally Gregory Kohlstedt (American science), Tom Misa (modern technology and culture), Robert W. Seidel (19th and 20th century science and science-based technologies), Jole Shackelford (Renaissance medicine), and Alan E. Shapiro (early-modern physical sciences).

For further information contact: The Program in the History of Science, Technology, and Medicine, University of Minnesota, 148 Tate Laboratory of Physics, 116 Church St. SE, Minneapolis, MN 55455, or at www.hstm@physics.umn.edu or visit the web page at <http://hstm.umn.edu/>.

CALLS FOR PAPERS

Automobility: A Conference on the 100th anniversary of the Model T

November 6-7, 2008

Hagley Museum and Library, Wilmington Delaware

The appearance of Ford's Model T automobile in 1908 ushered in a century during which motorized vehicles spread across the American landscape. Their impact was immense, visible in structures such as roads, bridges, garages and parking lots, in businesses including service stations and fast food restaurants, and in altered residential patterns. In addition to cars, other conveyances – such as buses, trucks, mobile homes, fire engines, and motorcycles -- as well as vehicles produced for construction and military purposes reshaped business and commerce, created new industries, and generated endless technological innovations. For a conference that marks the Model T's 100th anniversary, the Center for the History of Business, Technology, and Society at the Hagley Museum and Library invites papers that reflect broadly on the impact of motor vehicles in America since 1908. As the automobile has been the subject of considerable scholarly work, papers concerning passenger cars should break new ground and address heretofore under-explored questions. Scholarship on other vehicles powered by internal combustion engines is far less developed. We therefore especially encourage papers that consider their business, technological and commercial dimensions. All papers should be empirically based and historically informed.

Proposals should be no more than 500 words and accompanied by a short cv. Deadline for submissions is **March 31, 2008**. Travel support is available for those presenting papers at the conference. To submit a proposal or to obtain more information, contact Carol Lockman, Hagley Museum and Library, PO Box 3630, Wilmington DE 19807, 302-658-2400, ext. 243; 302-655-3188 (fax); clockman@Hagley.org.

National Coalition of Independent Scholars

The **National Coalition of Independent Scholars** will hold its 2008 Biennial Conference from October 24-26, 2008, at the Graduate Theological Union in Berkeley, California. We welcome participation by all scholars whose research is not supported by employment in an academic or research institution; this includes adjunct faculty and graduate students. Presenters need not be members of NCIS.

The Program Committee invites proposals for individual papers, formal sessions, and short panel discussions for either the practical track, on independent scholarship itself; or the scholarly track, focusing on presenters' individual research and findings.

Proposals should consist of an abstract of not more than 250 words; a brief scholarly biography (50-100 words) including degrees, scholarly fields and no more than two publications; any audio-visual requirements; and full contact information. Proposals must be submitted as an email attachment (Word only) no later than 12:00 a.m., **April 1, 2008**, to Kendra Leonard, Program Chair, at caennen@gmail.com. Please use your last name as the document title, as in Smith.doc. As in the past, only one submission per author will be considered. If you are interested in serving as a session chair, please indicate this in your submission.

Individual paper presentations are limited to no more than twenty minutes to allow for ten minutes of discussion following the presentation. Formal sessions of three related papers may be submitted together for consideration as a whole; please submit the proposals for all three papers together in one email along with a rationale explaining the importance of the topic and the grouping of papers. Proposals for one-hour informal sessions, including discussions on work in progress; consideration of on a particular theme in independent scholarship; or interest group discussions within a particular area or discipline may also be submitted under the guidelines above.

Kendra Preston Leonard
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www.kendraprestonleonard.com

History/Gender/Computing

Workshop and Conference, May 30-31, 2008
Charles Babbage Institute—University of Minnesota

Computing remains one of the most gender-segregated domains of modern life, and yet the origins and implications of the gendered culture of computing have received little attention from historians. How and when did a male-coded world of computing emerge? How and why has it persisted? What are the exceptions—and promising strategies for change? We seek to bring gender analytics within the “mainstream” of the history of computing, while welcoming contributions from the many allied disciplines and specialties.

We invite contributions that give a historical analysis of gender and computing. Proposals must indicate a clear argument or theme to be presented, explain the empirical grounding of the research, including the sources used for analysis and the historiographic context. Gender is here understood broadly including insights and concepts from women’s studies, feminist theory, and masculinity studies. Computing is understood to include hardware, software, systems, networking, services, computer science and engineering as well as the diverse uses of computing, including education, marketing, entrepreneurship, and popular representations. Thematically, the papers might involve:

Studies of gender and computing from any historical time or society—including those before 1945 and/or from any part of the world

Commentary on the available sources for the study of gender and computing, with identification of new (or needed) types and genres of documentation

Investigation of gender in (e.g.) computer science/engineering curricula, professional and technical communities, career paths, division of labor, and popular culture

Analysis of artifacts, visual representations, as well as texts that reveal the assumptions and dynamics of gender relationships in computing

Eight papers will be selected for presentation; there will also be a poster session showcasing additional voices and perspectives. Accepted papers and posters will be pre-circulated to all conference participants. Friday will be a public “conference” for the presentation and open discussion of the themes and issues raised by the papers. Saturday will be a “workshop” for the paper authors, aiming at focused discussion, elaboration of research agendas, and possible publication. Travel and lodging expenses will be covered for the eight paper presenters. Additional funding may be available for graduate students and early-career scholars.

Proposals for papers and posters (250 words + maximum 2-page CV) are due by **December 1, 2007**. The program committee will announce acceptances by mid-January 2008. Accepted papers and posters are due **April 30** for pre-circulation to conference participants on CD. Please direct questions to cbi@umn.edu for details, literature, and links see www.umn.edu/~tmisa/gender

Program Committee:

Janet Abbate (VT); Tom Misa (Minnesota); Veronika Oechtering (Bremen); Jeff Yost (CBI)

Charles Babbage Institute, 211 Andersen Library,
University of Minnesota, Minneapolis MN 55455 USA
www.cbi.umn.edu

Midwest Junto of the History of Science

Preliminary notice: The fifty-first annual meeting of the Midwest Junto of the History of Science will be held at the University of Minnesota, April 4-6 2008. Short papers (15 minutes) on any topic in the history of science, technology, and medicine are welcome. A short abstract (one page maximum) should be submitted by **February 15, 2008** to the program committee: Jole Shackelford, Program for the History of Medicine and Biological Sciences, Box 506 Mayo, 420 Delaware St. SE, Minneapolis, MN 55455. Abstracts sent as attachments or embedded in e-mail should be sent to: shack001@umn.edu

Further information, including registration forms, lodging, costs, etc. will be available early in 2008.

FELLOWSHIPS & GRANTS**SOCIETY FOR THE HISTORY OF TECHNOLOGY - NASA
Fellowship in the History of Space Technology, 2008**

The Society for the History of Technology announces the 2008 competition for the new NASA Fellowship in the History of Space Technology. This \$17,000 fellowship, offered by SHOT and supported by the National Aeronautics & Space Administration (NASA) History Division, will fund one predoctoral or postdoctoral fellow, for up to one academic year, to undertake a research project related to the history of space technology. This fellowship may support advanced research related to all aspects of space history, leading to publications on the history of space technology broadly considered, including cultural and intellectual history, institutional history, economic history, history of law and public policy, and history of engineering and management.

The fellowship carries a stipend of \$17,000, paid quarterly. Funds may not be used to support tuition or fees. The NASA Fellow will also receive complimentary SHOT membership for the year of fellowship. The Fellow will be offered opportunities to present research results at SHOT's annual meeting, in SHOT's newsletter, in the electronic version of *Technology and Culture*, through the SHOT website, or other outlets as appropriate. Fellows will carry out their research projects using personal office space, equipment, and supplies.

Eligibility:

Applicants must possess a doctorate degree in history of technology or in a closely related field, or be enrolled as a student in a doctoral degree program and have completed all requirements for the Ph.D., except the dissertation, in history of technology or a related field. Eligibility is **not** limited to U.S. citizens or residents.

Obligations of the Recipient:

1. The recipient shall engage in research in the history of space technology for nine months, normally August-May, but within the period from July 1, 2008 to June 30, 2009.
2. While on fellowship tenure, a fellow shall devote his/her efforts largely to the research program.
3. The fellow shall provide to the NASA History Office a copy of any publications that emerge from the research undertaken during the fellowship year.
4. Fellows will be expected to present at least one paper or public lecture on the findings of their research during their fellowship year.
5. The Fellow will write a report detailing his or her activities during the year at the term's conclusion.

Other terms:

1. Accepting the fellowship incurs no obligations to NASA or SHOT, regarding publication of research results.
2. No commitment on the part of either the recipient of a fellowship, or SHOT, or the supporting NASA office, with regard to later employment, is implied by acceptance of an award.

Deadline, Submission Information, and Notification:

The deadline for application is **March 1, 2008**, and the fellowship winner will be notified by May 1, 2008. Proposals will be evaluated in terms of scholarly merit and promise relative to the subject of the history of space technology, completeness, reasonableness, likelihood for successful performance, and insight. Special consideration shall be given to proposals that indicate specific methodologies and consideration of all the steps involved in preparing an academic manuscript for publication.

Application forms and further information will be available in November 2007 on the SHOT website: <http://www.historyoftechnology.org/> Questions may be addressed to SHOT secretary Amy Bix, shot@iastate.edu

Resources:

The NASA Fellowship in the History of Space Technology is designed to promote the study of the history of space technology broadly conceived, including its technical, cultural, social, institutional and personal context, over the 50 years since NASA's founding. A significant portion of NASA's \$17 billion budget today goes for technology development in human and robotic spaceflight. Historical studies of space technology can not only document and analyze the past, but also illuminate current programs and provide input for the future. Studies of space technology are listed at the NASA History Office website at <http://www.history.nasa.gov>. Among resources available are the NASA archives, with materials on history of NASA programs, institutions, and personnel. For more information, see the NASA History website at <http://www.nasa.gov>.

New Dates!***Lisbon, Portugal
October 11-14, 2008***

**PLEASE NOTE THAT THERE HAS BEEN A SLIGHT CHANGE IN DATES
FOR THE LISBON CONFERENCE.**

**PLEASE ALSO NOTE THAT DEADLINES FOR PROPOSAL SUBMISSION
AND HOTEL RESERVATIONS FOR THE LISBON MEETING
WILL BE EARLIER THAN USUAL.**

**CHECK THE SHOT WEBSITE OVER THE NEXT FEW MONTHS FOR THE
LATEST INFORMATION.**

<p>EMPLOYMENT</p>

**Virginia Polytechnic Institute
and State University**
Blacksburg, VA

**Assistant Professor in the Department of Science
and Technology in Society, tenure track**

The successful candidate must have a demonstrable background and research agenda in interdisciplinary Science and Technology Studies. We especially encourage applications from candidates who will help us build upon existing connections with other units in the university. See our website (www.sts.vt.edu) for these connections. We are particularly interested in applicants working in bioethics, especially environmental ethics and related areas. The candidate will be expected to teach three semester courses per year, undergraduate and graduate, along with research, advising, and service responsibilities. Evidence of a strong research program and teaching experience required. Salary commensurate with experience. Ph.D. in STS or related field completed by August 2008. Candidates can find information about our programs, faculty, and course descriptions at: www.sts.vt.edu.

Interested candidates should apply online at www.jobs.vt.edu and refer to posting 070950. As part of your online application please attach a C.V., evidence of teaching ability (use other doc field), and a writing sample (use other doc 2 field). In addition, please send three letters of reference to:

Ellsworth Fuhrman, Chair, Department of Science and Technology in Society, 133 Lane Hall, Virginia Tech Blacksburg, VA 24061-0247, phone (540) 231-8966

We will start reviewing applications on **November 12, 2007**, but will accept applications until the position is filled. Virginia Tech has a strong commitment to the principle of diversity and, in that spirit, seeks a broad spectrum of candidates including women, minorities, veterans, and people with disabilities. Individuals with disabilities desiring accommodation in the application process should notify Ellsworth Fuhrman.

Georgia Institute of Technology

**Advanced Assistant or
Associate Professor of History**

The School of History, Technology, and Society (HTS) invites applications for a tenure-track advanced Assistant or Associate Professor of History beginning Fall 2008. Primary area of expertise should be in the history of science, technology and/or medicine, and the successful candidate should be in a position to contribute extensively to our graduate program in History and Sociology of Technology and Science. The successful candidate will also be expected to teach in the undergraduate program, and we especially welcome applicants who have a regional focus that is not in U.S., British or Iberian history. A strong research record and excellence in teaching is a prerequisite

More can be learned about our programs at <http://www.hts.gatech.edu>. Georgia Tech is a Carnegie I research university located in the heart of Atlanta.

Send a letter of application, Curriculum Vitae, sample publications, and three letters of reference to: John Krige, Chair, History Search Committee, School of History, Technology, and Society, Georgia Institute of Technology, Atlanta, Georgia 30332-0345. Review of applications will begin October 15 and continue until the position is filled. The Georgia Institute of Technology is an Equal Opportunity Employer. Members of historically underrepresented groups are particularly encouraged to apply.

Fifty for the Fiftieth

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See:

www.historyoftechnology.org



Chemical Heritage Foundation
Beckman Center for the History of Chemistry
-and-
Center for Contemporary History and Policy

**2008–2009 Fellowship Opportunities in the History of the
Chemical and Molecular Sciences, Technologies, and Industries**

Several fellowships at the **Chemical Heritage Foundation (CHF)**, an independent research center in Philadelphia, are offered to scholars through CHF's Beckman Center for the History of Chemistry and the Center for Contemporary History and Policy for the academic year 2008–2009. The research collections at CHF, where the chosen fellows will be in residence throughout their fellowship period, range chronologically from the fifteenth century to the present and include 10,000 rare books, significant archival holdings, thousands of images, and a large artifact and fine arts collection, supported by over 100,000 reference volumes and journals. Within the collections there are many areas of special strength, including: alchemy, mining & metallurgy, dyeing and bleaching, balneology, gunpowder and pyrotechnics, gas-lighting, books of secrets, inorganic and organic chemistry, biochemistry, food chemistry, and pharmaceuticals. Recipients of all fellowships are expected to participate in and make a contribution to CHF's intellectual life.

To be eligible for all but the Third-Party fellowships, applicants must either have a Ph.D. or equivalent or be a doctoral candidate at the dissertation stage. Their research projects must be in an area of the history of chemical and molecular sciences, technologies, and industries, broadly construed.

Beckman Center Long-Term Fellowships

9 Months in Residence

- Gordon Cain Fellowship
- John C. Haas Fellowships
- Charles C. Price Fellowship
- Robert W. Allington Fellowship

Beckman Center Short-Term Fellowship

2–4 Months in Residence

- Roy G. Neville Fellowships

**Center for Contemporary History & Policy
Fellowships**

12 Months in Residence

- Robert W. Gore Fellowship

Third-Party Fellowships

2–3 Months in Residence

- Société de Chimie Industrielle (American Section) Fellowship
- Glenn E. and Barbara Hodsdon Ulyot Scholarship

Application Deadline: 15 February 2008

For further information visit www.chemheritage.org

Applications must include: (1) A cover sheet indicating which type of fellowship (long-term, short-term, Gore, Société, or Ulyot) you are applying for and the number of months of support required along with the following information: name; mailing address to be used for future correspondence; telephone and fax numbers; e-mail address; institution name and present rank; date Ph.D. received or expected; citizenship status & need for a visa, if applicable.; and title of project. (2) A research proposal of no more than 1,000 words addressing the relevance of CHF resources, how the work advances scholarship, and how the outcome might be published. (3) A C.V. of no more than three pages in length. The applicant must also arrange for two letters of reference to be sent directly to CHF and postmarked by the deadline.

Research Travel Grants

CHF also offers grants to cover travel expenses for short-term (1 to 4 weeks) research in our Othmer Library of Chemical History and historical archives and instrument and art collections. Applicants must reside more than 75 miles from Philadelphia to be eligible. To apply submit a C.V., a one-page statement of the research project and the applicability of CHF's resources, a budget estimate, and one letter of reference (sent directly from the source to CHF). Grants are usually \$750/week and are intended to help defray the costs of travel and lodging. Proposals are reviewed upon receipt; there is no deadline. See our Web site or contact travelgrants@chemheritage.org for details.

Send inquiries and applications to:
Fellowship Coordinator, Chemical Heritage Foundation
315 Chestnut Street, Philadelphia, PA 19106-2702
Tel: 215-925-2222 Fax: 215-629-5269
E-mail: fellowships@chemheritage.org

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