



SECRETARY'S MESSAGE

Wish I could tell you all about SHOT's recently-completed annual meeting, but I can't – since as we all know, "What happens in Vegas, stays in Vegas"! But seriously, it was definitely a unique setting and one particularly appropriate for the history of technology. I know that I'll be telling my students for years about the incredible new "ground zero" atomic blast simulation theater at the Atomic Testing Museum. Let me take this opportunity to thank everyone who worked to make our 2006 annual meeting a reality – our SHOT officers, our committee chairs and members, and all of you who attended. We especially appreciate the terrific efforts of our 2006 program committee of Jennifer Light (chair), Dan Holbrook, and Paul Ceruzzi. Many thanks, as well, to our "local" arrangements team of Bill Leslie and Eric Nystrom. This may be the first time SHOT ever had local organizers working from 2400 miles away, but connections and hard work pay off – in the post 9/11 age, it takes real miracles to get access to the special "hard-hat" tour of Hoover Dam, but they managed to arrange it. Finally, let me thank our meeting supporters - the MIT Press, MIT Program in Science, Technology, and Society; the Johns Hopkins Department of the History of Science and Technology, the Smithsonian's Lemelson Center, the Johns Hopkins School of Arts and Sciences, the Johns Hopkins University Press, the UNLV Department of History and Public History Program, and the Atomic Testing Museum. Many thanks, as well, to our sponsors of our graduate student breakfast and hospitality suite, listed further inside this newsletter. For those of you unable to make it to Vegas, you can catch up on details such as prizewinners and election results here in this newsletter.

Now the exciting part – as we finish up our Vegas

meeting follow-up work here in the Iowa State SHOT office, our planning for the two anniversary meetings, DC in 2007 and Lisbon in 2008, is kicking into high gear. You'll be hearing a lot more about this in the months to come. As always, please check the SHOT website for the latest updates in between newsletters. Our Lisbon planners have already started preparing some incredible tours and beautiful facilities. As for the Washington meeting, the list of special events that we're planning is amazing, including a special one-day pre-meeting workshop reviewing achievements and issues in the history of technology, a lunch honoring da Vinci medalists, terrific public speeches and outreach events (taking advantage of Smithsonian resources), links to other institutions and academic societies, great DC tours, and much more. We'll have some special souvenirs to mark our anniversary meeting – and I've even been instructed to order a giant cake for our big party.

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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

On the more substantive end, a fiftieth anniversary provides a key moment for a society such as SHOT to reflect on how much our field has done and what exciting possibilities lies ahead. SHOT is well prepared to do this, thanks in large part to the efforts and vision of our truly outstanding outgoing president. Rosalind Williams has done so much in so many ways to promote SHOT's continued intellectual growth and organizational success. Under her leadership, our teams of officers and members have launched eTC, extended our international outreach, supported graduate students through initiatives such as the writing workshop, pursued partnerships with allied organizations, and laid the foundation for a meaningful anniversary. SHOT has faced some important questions in these last two years, but Roz kept us moving forward with her good sense and good humor. If you want a truly valuable look at the state of our field and our society, please read Roz's last presidential column in this newsletter.

Excellence in a learned society, as in so much else, takes time, dedication, effort, and financial resources. Many people in SHOT contribute the first three in many valuable ways. Our anniversary leads us to call special attention to the last component. In your SHOT membership renewal notices just arriving from Johns Hopkins University Press, you will find a special appeal from Roz Williams for funds to support our anniversary celebration. As always, SHOT is particularly concerned with helping as many members as possible participate in the annual meeting and especially with supporting junior scholars, graduate students, and International Scholars. Making this challenge harder, with the recent closure of the Dibner Fund, SHOT can no longer count on the annual support which has provided a large portion of funding for SHOT travel grants over recent years. We hope to make up this difference and continue to finance travel for those who need assistance, and we also hope to open access to our anniversary events through recordings and the SHOT website.

To help us meet these goals, we are asking our SHOT members, when you renew your membership, to please contribute an additional "50 for the 50th" – whether it's fifty dollar bills, or fifty tens for those who have the ability to offer such support, or even fifty dimes from graduate students or others who want to show support for this campaign even on limited means. All donations beyond your basic

membership rates are tax-deductible (in the United States), and SHOT will send you an acknowledgment and receipt. Please keep this campaign in mind as you renew your SHOT membership, and we look forward to celebrating our fiftieth anniversary with you!

Amy Sue Bix
Iowa State University

SHOT and *T&C* on the Web: You Can Help

As anyone reading this knows, *Technology and Culture* is published both in print and online. Since 1998, when *T&C* moved to the Johns Hopkins University Press and joined Project Muse, use of the electronic edition has been steadily increasing—and so has its importance to SHOT's revenues. Meanwhile, as you also know, SHOT has recently begun a concerted and long-term effort to make better use of the Web for the society's other activities as well, and to use the Web more effectively to reach out to new constituencies.

SHOT members can help with those efforts in a couple of simple ways. First, if you have a personal web page, or maintain a web page for an organization or department, consider linking to SHOT, <http://www.historyoftechnology.org>, and to *T&C*'s new venture online, eTC, at <http://www.historyoftechnology.org/eTC/eTCmain.html>. One of the keys to our success in extending SHOT's reach online is increasing the number of opportunities for people to learn who we are and what we do. More links means more traffic to the SHOT website.

Second, if you use articles from *T&C* in your teaching, please consider having students read that material online through Project Muse (for issues from July 1998 to the present) or JSTOR (from 1959 to April 1998) rather than including it in a coursepack or putting it on electronic reserve. Simply put, SHOT's income from the electronic edition of *T&C* is determined by how many people read it; increasing the number of students using *T&C* online would be a direct and important benefit to the society and the journal.

2006 PRIZE WINNERS

Leonardo da Vinci Medal: Eric H. Robinson

Brooke Hindle Post-Doctoral Fellowship: Sonja Schmid (Stanford University) "Producing Power: The Construction of a Civilian Nuclear Industry in the Soviet Union."

2005 Joan Cahalin Robinson Prize: Peter A. Shulman, "Alaska: Infinite Coal Mine of the Imperial Imagination."

Samuel Eleazar and Rose Tartakow Levinson Prize: Jonathan Hagood, "Bottling Atomic Energy: Distinguishing Between Science and Technology in Perónist Argentina, 1948-1952."

IEEE Life Members' Prize in Electrical Engineering: Martin Collins, "One World...One Telephone: Iridium, One Look at the Making of a Global Age."

Abbott Payson Usher Prize: Lissa Roberts, "An Arcadian Apparatus: The Introduction of the Steam Engine into the Dutch Landscape."

The Dibner Award: "Time Galleries," the Royal Observatory, Greenwich, England; lead curators David Rooney and Gloria Clifton.

Sally Hacker Prize: Brian Hayes, *Infrastructure: A Field Guide to the Industrial Landscape*.

Edelstein Prize Christine Cogdell, *Eugenic Design: Streamlining America in the 1930s*.

Kranzberg Dissertation Fellowship: Mara Mills, "The Dead Room: Deafness and Modern Communications Technologies."

International Scholars 2007-2008:

Stathis Arapostathis (UK/Greece)
Diana Covell (Australia)
Richard Escalante (Trinidad)
Dagmara Jajesniak-Quast (Germany)
Slawomir Lotysz (Poland)
Germuska Pál (Hungary)

<p>ELECTION RESULTS</p>

Vice President/President Elect:

Arne Kaijser

Secretary:

Amy Bix

Treasurer:

Richard Hirsh

Nominating Committee:

Atsushi Akera

Executive Council:

Rebecca Herzig

Ed Russell

Karin Zachmann

SPECIAL THANKS

SHOT wishes to thank the following institutions for their generous support of activities at the annual meeting:

The Smithsonian's Lemelson Center for the Study of Invention and Innovation

Johns Hopkins University, Zanvyl Krieger School of Arts and Sciences

Johns Hopkins University, Department of the History of Science and Technology

Michigan Technological University

Lehigh University

Johns Hopkins University Press

Massachusetts Institute of Technology, Program in Science, Technology, and Society

MIT Press

University of Nevada—Las Vegas, Department of History and the Public History Program

Smithsonian Institution, Behring Center, National Museum of American History

Iowa State University, the ISU College of Liberal Arts and Sciences, and the ISU Department of History

Iowa State University, Program in the History of Technology and Science (HOTS)

Georgia Institute of Technology, School of History, Technology and Society

University of Delaware—Hagley Program

University of Minnesota, Program in History of Science, Technology, and Medicine

The Atomic Testing Museum

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www.amazinphrasin.com

We might even have fun!

OBITUARY**Dr. William M. (Bill) Leary**

Most obituaries, even those written by the deceased's colleagues or friends, tend to be rather impersonal, as they have to concentrate on the facts – the work production, the achievements, and the honors. These are, of course, essential in any tribute, and the writer often adds some personal comments too, usually almost as a footnote. In this submission, I remember with sadness someone whom I valued as a collegiate friend, even though I did not see him or talk to him very often. But when I did, we always seemed to have met only yesterday.

My first contact with Bill was in 1982, soon after I had gained a Fellowship at the National Air and Space Museum. He had, surprisingly, got in touch with me, asking for information, and I was so flattered by this enquiry that I keep Bill's letter to this day. It was almost like Julia Childs asking me for advice about cooking an omelet.

The context of this, the initial exchange of data that was to continue for many years, was Bill's continuing interest in U.S.-China aviation history which had begun with his classic history of C.N.A.C., *The Dragon's Wings*, published in 1976. The result was *Perilous Missions*, all about the C.I.A. in China, published in 1984. Not exactly a marked man, Bill nevertheless came under close scrutiny by various government agencies.

Subsequently, in 1985, Bill wrote a highly readable book about *Aerial Pioneers: The U.S. Air Mail Service*, far removed from his previous field of interest. During these latter researches, he came across the identity and the then-current location of one of those highly-individual airmen whose place in history had been long-forgotten. A combat airman of the Great War of 1914-18, Merrill Riddick was quite eccentric in his advancing years. Bill provided me with the details, and I was able to meet that remarkable character and recall his experience in operating Foreign Air Mail Contract F.A.M. 3, from New Orleans to Pilottown, in 1923. But for Bill's initiative, Riddick would have died before his personal story of that unique operation would ever have been told.

Most of us aviation historians tend to specialize, and neither of us know nor care very much about aspects outside our own fields of research and interest. Bill seems to have been different, a multi-specialist, and furthermore, to be preeminent in the several different subjects in which he absorbed himself. Other than Chinese aviation, the C.I.A., and the U.S. Air Mail, he wrote definitive works on submarines, General MacArthur, wartime activities in the Balkans during the Second World War, and in 1996 (to name, as they say, but a few) *Project Coldfeet: Secret Mission to a Soviet Ice Station*.

Versatility should have been Bill Leary's middle name. For almost three decades, he turned out an average of almost one book every year – and moreover each one was often on a completely different subject from the previous one. And all were totally authoritative and absorbing. If that was not enough, he somehow found time also to write the occasional monograph. His *At the Dawn of Commercial Aviation: Inglis Uppercu and Aeromarine Airways* reminded other historians about the admirable achievements of an airline pioneer who pre-dated everyone.

Towards the end of a career which his fellow academics would not hesitate to term illustrious, Bill was the editor of a compendium of essays on The Airline Industry, a volume in the Encyclopedia of American Business History and Biography. Published in 1992, a measure of the respect that his fellow historians held for him was that so many well-known names, all of them published authors in their own right, felt honored to contribute to this impressive work.

His last work was yet another example of his widespread interests and expertise. *We Freeze to Please*, sub-titled *A History of NASA's Icing Research Tunnel and the Quest for Flight Safety* covered a subject that only someone with impeccable credentials as a responsible and precise writer could have tackled.

I know that I am preaching to a knowledgeable choir if I suggest that Bill Leary is sorely missed by all of his former SHOT associates.

R.E.G. Davies

National Air and Space Museum

ANNOUNCEMENTS

New Books

Forthcoming December 2006:

DRIVING GERMANY

The Landscape of the German Autobahn, 1930-1970

Thomas Zeller

Oxford/New York: Berghahn Books, 2006

336 pages, 8 ills, bibliog., index

ISBN 1-84545-309-3

<http://www.berghahnbooks.com/title.php?rowtag=ZellerDriving>

The **American Meteorological Society (AMS)** is pleased to announce the newest title from AMS Books. *The Callendar Effect*, by James Rodger Fleming, is the untold story of the remarkable scientist who established the carbon dioxide theory of climate change. Guy Stewart Callendar discovered that global warming could be brought about by increases in the concentration of atmospheric carbon dioxide due to human activities, primarily through burning fossil fuels. He did this in 1938! Using never-before-published original scientific correspondence, notebooks, family letters, and photographs, noted historian of science and technology James Rodger Fleming introduces us to one of Britain's leading engineers and explains his life and work through two World Wars to his continuing legacy as the scientist who established *The Callendar Effect*.

The Callendar Effect: The Life and Work of Guy Stewart Callendar (1898-1964)

By James Rodger Fleming

© 2007, Hardbound, 176 pages

ISBN 10: 1-878220-76-4

ISBN 13: 978-1-878220-76-9

AMS Order Code: CLDR

List: \$34.95; Member: \$24.95

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Members of the **Western European Studies Section (WESS)** of the **Association of College and Research Libraries (ACRL)** have formed a committee to address the current and long-term shortage of academic librarians. We are particularly interested in advising scholars and teachers with foreign language training and advanced degrees that careers in academic librarianship provide additional options for using their training in an academic setting. The WESS Committee on Recruitment to the Profession would like to call your attention to our Web site: <http://www.columbia.edu/~klg19/WESS/>

**What do ocean liners,
saloon lunches, and class-action
lawsuits have in common?**

**The University of
Delaware-
Hagley Program**

**Hagley Fellows are currently
writing about these topics in
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New Journal

East Asian Science, Technology and Society: an International Journal

<http://sts.nthu.edu.tw/easts/>

Science and technology studies is now a thriving academic and policy field in East Asia. With support from the Taiwanese National Science Council, the East Asian STS Network will publish an international, interdisciplinary English-language journal starting in Fall 2007.

The journal's regional focus should generate interesting new perspectives in STS. China, Japan, Korea and Taiwan share a similar cultural, colonial and post-colonial history, and occupy similar global positions with respect to the West. The East Asian nations are rapidly emerging as key players in global technoscience, and East Asian STS scholars are recognized both by their governments and by NGOs as important contributors to national debates and public consultations on such issues as bioethics or nuclear power policy. The numerous historical, geopolitical and institutional similarities with Southeast Asia make it logical for the journal to include coverage of STS issues in Southeast Asia as well.

The issues currently planned are:

- 1st special issue (2007): Public participation in science and technology policy
- 2nd special issue (2007): Colonial sciences in the former Japanese (colonial) Imperial Universities
- 3rd special issue (2008): The Dr Hwang controversy in Korea

The editors welcome research articles, review articles, book reviews or critical notes on STS issues relevant to East Asia or Southeast Asia from contributors anywhere in the world. Proposals for special issues are also welcomed. For advice please contact Editor-in-chief Daiwie Fu, dwfu@mx.nthu.edu.tw

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 2007.

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

SHOT co-sponsored tour at the 2007 AHA meeting in Atlanta

SHOT members planning to attend the January 2007 AHA meeting in Atlanta, GA may be interested in the following tour opportunity, which SHOT is co-sponsoring:

Tour: Lockheed Martin (Air Force Plant 6) Joint tour with the Society for the History of Technology
Date, time: Friday, January 5, 9:00 a.m.-12:30 p.m.
Meeting site: Hilton's Newton Room at 9:00 for a bus to the plant.

Description: Defense spending for World War II and the Cold War played a pivotal role in the development of the modern South. No better example can be found than Air Force Plant 6 in Marietta, Georgia (Cobb County), about 15 miles from downtown Atlanta. Built for the Bell Aircraft Company in 1942-43, the plant transformed the local economy and helped to bring the area out of the Great Depression. By 1945 the plant employed 28,000 people (37 percent women and over 90 percent native southern). After manufacturing over 660 B-29 bombers, Bell closed shortly after the end of World War II, but many of the Bell employees returned to work when Lockheed reopened the plant during the Korean War in 1951. Lockheed-Georgia's greatest success over the next several decades was in building transport planes (the C-130, C-141, and C-5). With the end of the Cold War the reduction of government contracts forced the aerospace industry to downsize and consolidate. Following a 1995 merger of two pioneering aviation giants, Air Force Plant 6 became the home of the Lockheed Martin Aeronautical Systems Company. The plant today employs about 8,000 workers, down from a peak of 33,000 in 1969. Fortunately, the metropolitan area has grown to the point that it is no longer dependent on the aircraft industry for its well-being. Yet Bell and Lockheed are still honored as catalysts that brought the region out of poverty and made metropolitan Atlanta the affluent place it has become.

A cultural resources inventory in the 1990s determined that 9 structures (B-1 main assembly, B-2 administration, B-3 paint shop, B-4 final assembly, B-6 dead storage, B-7 boiler plant, B-21 motor gas station, U-124 water pumping station, and U-145

dehydrated air compressor building), all built in 1942-43, constitute a historic district. The tour will take place primarily inside the mammoth B-1 building, the main assembly plant.

(Advance registration required. Limit: 25 people. Fee: \$5 per person. Tour participants must submit a visitor information form by Wednesday, January 3 to obtain security clearance. Forms are available on the AHA web site. Send completed forms to tour organizer Tom Scott via e-mail at tscott@kennesaw.edu or fax to 770-423-6432.)

Tour leaders: Rick Ramsey, Lockheed Martin; Bob Ormsby, Lockheed Martin (president, 1975-84); Tom Scott, Kennesaw State University

2007 Roy G. Neville Prize in Bibliography or Biography

The nominating committee for the Roy G. Neville Prize in Bibliography or Biography welcomes your recommendations for nominations for next year's prize.

The Roy G. Neville Prize in Bibliography or Biography, established in 2006, is presented annually by the Chemical Heritage Foundation to recognize and outstanding monograph in the area of the chemical and molecular sciences. The objective of this prize is to encourage emulation, inspire achievement, and promote public understanding of modern sciences, industries, and economies.

The Neville Prize recognizes either: a monograph that contributes to our bibliographical knowledge of the chemical and molecular sciences, in the tradition inaugurated by Henry Carrington Bolton and exemplified in the lifetime achievement of Roy G. Neville; **or** a major work of biography in the chemical and molecular sciences.

In order to be considered for nomination, the work must have been published during a period of five calendar years immediately preceding the year of competition. The Neville Prize may not be received in absentia, except under extraordinary conditions as approved by the president of CHF. The recipient is expected to deliver an address at the award ceremony.

The author of the winning monograph will receive a cash prize, a certificate, and travel expenses to accept the award.

Please use the online form to submit your nomination by **January 5, 2007**. Send any supplemental documents by separate email, fax, or letter to:

Akua Asiamah-Andrade
Associate Director of Development for Corporate Relations and Awards
Chemical Heritage Foundation
315 Chestnut Street
Philadelphia, PA 19106
Email (preferred): akua@chemheritage.org
Phone: 215-873-8204
Fax: 215-629-5204

Link for SHOT Web site:

<http://www.chemheritage.org/events/nevilleprize/nevilleprizerecall.html>

NASA

In celebration of NASA's upcoming 50th anniversary, scholarly histories of NASA's activities in the scientific exploration of Earth and space are solicited by this History of the Scientific Exploration of Earth and Space (HSEES) program element. The International Geophysical Year (IGY) of 1957-1958 marked the beginning of the space age and the birth of NASA; it ushered in a half-century of unprecedented achievement in our scientific exploration of Earth and space. The concurrence of the International Polar Year (IPY) in 2007-2009 and the International Heliophysical Year (IHY) in 2007-2008 also provides a unique opportunity to examine the scientific advances that have occurred in the nearly 50 years since the establishment of NASA on October 1, 1958.

The primary objective of the HSEES program element is to engage, inform and inspire diverse public audiences by sharing historical knowledge about NASA's scientific exploration of the Earth and space, and by communicating NASA's unique contributions to the advancement of Earth and space science during the past 50 years. An essential component of communicating to the public

is accurate, complete, well-written histories about the scientific exploration of space. Credible histories require work over a period of years and sustained support to be successful. In addition, an accurate history requires access to individuals and documents, which may be difficult for independent authors not coordinated with NASA.

A secondary objective is to extend the spirit of exploration and discovery embodied in past NASA science missions and to help attract and educate the next generation of scientists and engineers. This opportunity is a coordinated program with the NASA History Division and funded by the Science Mission Directorate (SMD). It is part of a coordinated set of education, public outreach and historical research activities in relation to IPY, IHY, and NASA's 50th anniversary.

Historical investigations will be selected for a period of no more than three years beginning in Fiscal Year 2007 (October 1, 2006-September 30, 2007). The anticipated total amount of funds available for this amendment is approximately \$1.5M for the three-year period (at approximately \$500K per year). This program element is open to a wide range of proposed costs, from zero to a few \$10K's for monographs, and approximately \$50-\$100K per year for book-length works.

The specifics of the HSEES solicitation are at <http://nspires.nasaprs.com/external/viewrepositorydocument/70450/E.5%20HSEES.pdf>

The short announcement of HSEES is at <http://nspires.nasaprs.com/external/viewrepositorydocument/70449/Amendment%2019.pdf>

Detailed information about the normal procedures for Notices of Intent (NOIs) and the submission of proposals are included in the Summary of Solicitation http://nspires.nasaprs.com/external/viewrepositorydocument/32140/Summary_of_Solicitation_Amend19.pdf

NOIs are optional, but if submitted are due 12/15. The NOI cover page will be available on or before 11/15, and a link to the future NOI cover page form at <https://nspires.nasaprs.com/external/member/proposals/selectSolicitation.do?method=init&orderBy=title&sortOrder=ASC>

CONFERENCES

**Inventing America:
The Interplay of Technology and Democracy
in Shaping American Identity
Washington, D.C. and Charlottesville, VA
November 2-4, 2006**

Throughout our nation's history, Americans have enthusiastically embraced new technology, and have been willing to experiment with new political ideas and practices. Commemorating the 300th anniversary of the birth of Benjamin Franklin, this conference will examine how Franklin, Jefferson, and their contemporaries saw technology as integral to the creation of a new form of government, a democratic republic, as well as how Americans since Franklin's time have wrestled with the interplay of technology and democracy.

"Inventing America" will begin the evening November 2 at the National Archives in Washington, D.C. with a presentation by Walter Isaacson, author of *Benjamin Franklin: An American Life* and moderated by Archivist of the United States Allen Weinstein. The conference will continue on November 3-4 at the University of Virginia in Charlottesville with sessions devoted to technology and its relationship to democratic values, invention, political economy, and the practice of democracy.

The conference is sponsored by the Smithsonian's Lemelson Center for the Study of Invention and Innovation and co-sponsored by the National Archives, the Department of Science, Technology and Society at U.Va.'s School of Engineering and Applied Science, and the Robert H. Smith International Center for Jefferson Studies at Monticello.

"Inventing America" is free and open to the public. For more information about the conference, including sessions, speakers, directions, and parking, please visit the Lemelson Center website at www.invention.smithsonian.org/events.

CALLS FOR PAPERS

**Society for Philosophy and Technology
2007 Biennial Meeting
Charleston, South Carolina USA
July 8-11, 2007**

Conference Theme: Technology and Globalization

The Society for Philosophy and Technology has sponsored conferences on philosophical aspects of technology since the late 1970s. Conferences are held every other year, rotating between North America and Europe. The Society welcomes a broad range of papers from various philosophical perspectives and schools. This year, the program committee especially invites submissions on the conference theme of TECHNOLOGY & GLOBALIZATION, but submissions on all aspects of philosophy and technology are also welcome, including work on emerging technologies, such as biotechnology, genetics and philosophy, nanotechnology and information technology.

SUBMISSIONS: Submissions to the conference may be made with an abstract of 200-400 words.

Proposals for both individual papers and full sessions are welcome. For sessions, please include abstracts for all papers to be included, as well as a 200-400 word description of the session's theme.

Proposals should be made electronically to Joseph Pitt at jcpitt@vt.edu with the abstract(s) as an attachment in one of the following file formats:

Word (.doc),

Rich Text Format (.rtf)

Portable Document Format (.pdf)

The deadline for submissions is **January 1, 2007**.

Notifications will be made around March 1, 2007.

Papers will be due to commentators on June 1, 2007.

If you are interested in serving as a commentator, please send a short email to jcpitt@vt.edu.

Further Information is available at our website: www.spt.org

Minds, Bodies, Machines
London, UK
July 6-7, 2007

This interdisciplinary conference, convened by Birkbeck's Centre for Nineteenth-Century Studies, University of London, in partnership with the Department of English, University of Melbourne, and software developers Constraint Technologies International (CTI), will take place on July 6-7, 2007 at Birkbeck College, Malet Street, Bloomsbury.

The two-day conference will explore the relationship between minds, bodies and machines in the long nineteenth century. Recent research on the Enlightenment's frontier technologies has established that era's preoccupation with developing machinery that could simulate the cognitive and physiological processes of human beings. According to some critics, however, these Promethean ambitions were shelved during the nineteenth century, when the android as artifact was relocated to the realm of the imagination, where it became a threatening figure. According to this reading, the android as scientific project and a figure of possibility only re-emerges in our own era. The aim of this conference is to test this claim by exploring the continuities and discontinuities in the imagining of the human/machine interface in the nineteenth and twenty-first centuries.

The conference organisers – Hilary Fraser (Birkbeck), Deirdre Coleman (Melbourne) and Paul Hyland (CTI) – invite proposals for papers that examine the intersection of minds, bodies and machines during the long nineteenth century. Topics include: the virtual and the real; technologies of the sublime; evolution and machines; techniques of communication; technologies of travel; medical technology; miniaturisation; self-reproduction; and spiritualism.

The conference programme will include plenary addresses, seminars and workshops. Confirmed speakers include: Dr Caroline Arscott, Professor Jay Clayton, Professor Steven Connor, Professor Iain McCalman, Professor Peter Otto, Professor Kevin Warwick and Dr Elizabeth Wilson.

A selection of papers arising from this conference will be published in the online journal 19:

Interdisciplinary Studies in the Long Nineteenth Century, www.19.bbk.ac.uk

Abstracts for papers of 20 minutes, as well as details of expected audio-visual needs, should be submitted no later than **February 28, 2007**. Please send proposals by email to

submissions@mindsbodiesmachines.org.

For further information see

www.mindsbodiesmachines.org/conferences.html

MEPHISTOS 2007
Los Angeles, CA
April 6-8, 2007

MEPHISTOS is an international, interdisciplinary conference devoted to the History, Philosophy, Sociology and Anthropology of Science, Technology, and Medicine—organized by graduate students and for graduate students. We invite graduate students of all levels, working in any field of science studies, to apply. MEPHISTOS is a premier opportunity for young scholars to present papers, participate in discussions, and develop collaborations with others. The graduate community of the University of California, Los Angeles is proud to host the twenty-fifth annual MEPHISTOS conference on April 6-8, 2007. Website: <http://mephistos.bol.ucla.edu/>

The MEPHISTOS Organizing Committee welcomes proposals for individual papers written by graduate students examining issues related to the History, Philosophy, Sociology, and Anthropology of Science, Technology, and Medicine. Applicants should not, however, feel constrained by the above-listed disciplinary approaches. We welcome paper proposals from all disciplinary fields. Further, applicants should not feel restricted to the modern and contemporary time period only as we strongly encourage paper proposals devoted to early modern, ancient, medieval and renaissance periods as well.

Past papers and discussions have addressed the following issues: Health and Normalcy; Measurement, Evidence, and Representation in Science and Medicine; Technology and Society; Narrative and Science; Knowledge-Making, Knowledge-Forgetting; Religion and Science; Science in the Media; Science and Gender; Science and Art; Ancient Studies of Science; Sciences for the

Environment; Non-Western Science; Information Technology; Philosophy of the Mind and the Body.

All interested applicants please submit a Cover Letter, including your department and university affiliation and contact information, and an Abstract (200-300 words, separate attachments in Word, RTF or plain-text format preferred) by email to: mephistos@ucla.edu Deadline is **January 1st, 2007**.

Letters of Acceptance will be emailed to applicants in February. MEPHISTOS presentations are expected to be 20 minutes in length. In accordance with MEPHISTOS traditions, lodging will be provided for all conference speakers and some modest travel grants will also be available.

More information is available at our web site, <http://mephistos.bol.ucla.edu/>, and questions may be directed to Gustavo Garza at mephistos@bol.ucla.edu

**Canadian Society for History and
Philosophy of Science
Saskatoon, Saskatchewan
May 28-30, 2007**

The Canadian Society for History and Philosophy of Science (CSHPS) is holding its annual conference as part of the Congress of the Humanities and Social Sciences (CFHSS) at the University of Saskatchewan, Saskatoon, Saskatchewan, May 28-30, 2007.

The program committee invites historians and philosophers of science, as well as scholars from any field whose work relates to history and philosophy of science, to submit abstracts for individual papers or proposals for sessions.

Submissions may be in English or French. Individual paper submissions should consist of a title, a brief abstract of 150-250 words, and complete contact information for the author. All individual paper submissions will be blind refereed. Session proposals should consist of a session title, titles and brief abstracts for each paper, and complete contact information for all proposed speakers. Proposals will be accepted by e-mail only.

It is required to be a member of CSHPS in order to present a paper at the conference. Individuals whose papers have been accepted will be requested to join CSHPS for a modest membership fee.

CSHPS offers a book prize (the Richard Hadden Award) for the best student paper presented at the meeting.

Email address for submissions:
program.cshps@gmail.com (MSWord or rtf attachment preferred). Deadline for submissions:
February 1, 2007.

For more information about CSHPS, please consult our website: <http://www.yorku.ca/cshps1/>. Information about Congress registration and accommodation can be found (in due course) at the CFHSS website: <http://www.fedcan.ca/>.

Please note that the CSHPS meeting overlaps with the meeting dates of a number of other member societies of the CFHSS, which this year includes the Canadian Historical Association, the Canadian Philosophical Association, the Canadian Sociology Association, the Canadian Science and Technology Historical Association, the Canadian Women Studies Association, the Environmental Studies Association of Canada and the Canadian Society for Continental Philosophy. The CSHPS program committee welcomes suggestions for joint sessions with these and other societies.

**Economic and Business Historical Society
Providence, RI
April 26-28, 2007**

The **Economic and Business Historical Society** announces a call for papers for its annual conference in Providence, RI, on April 26-28, 2007. Submit papers proposal by **January 7, 2007** to Roberto Mazzoleni at roberto.mazzoleni@hofstra.edu or at Hofstra University, Dept. of Economics & Geography, Hempstead, NY 11549, USA. More information on the Society's website: www.ebhsoc.org.

**“Making Science Global: Reconsidering the Social and Intellectual Implications of the International Polar and Geophysical Years”
Washington, DC
October 31-November 1, 2007**

The program committee of “Making Science Global: Reconsidering the Social and Intellectual Implications of the International Polar and Geophysical Years” invites papers for a possible two-day conference at the Smithsonian Institution on October 31-November 1, 2007, examining the impetus for (and the impact upon) science, society, and culture of the International Polar Years (IPYs) of 1882-83 and 1932-33, and the International Geophysical Year of 1957-58, as well as how this perspective might be useful for planners of the current IPY in 2007-2008. We intend to explore the origins of these efforts, their political dimensions, and their consequences. Themes might include the place of the poles in human imagination, discipline formation, cultural nationalism, politics, and transnationality prior to and after 1882; the emergence of the modern geosciences in the first half of the twentieth century; the uses of new technologies to explore the poles; and changing assessments of the nature of human cultures in high latitudes. Papers addressing the International Geophysical Year might examine its role in the Cold War and the extent to which multi-disciplinarity and multi-national cooperation and competition shaped the geosciences and contributed to environmental awareness.

Pending funding, the conference will be held in Washington, D.C., immediately prior to the History of Science Society meeting in 2007. International scholars and graduate students seeking exposure to the history of the geosciences are particularly welcome. We hope that the papers will merit publication. Proposals for papers should include a title and abstract, as well as curriculum vita. Deadline: **December 31, 2006**. Please send these electronically to David DeVorkin devorkind@si.edu, Roger Launius launiusR@si.edu, and James Fleming jfleming@colby.edu



**HEAD, DEPARTMENT OF
HUMANITIES AND ARTS**

Worcester Polytechnic Institute (WPI) invites applications and nominations for the position of Head of the Humanities and Arts Department, to begin July 1, 2007. The university seeks an individual for this headship with proven excellence in undergraduate teaching, leadership in administration including curricular innovation and resource acquisition, and the ability to work creatively across disciplines and departments. Potential candidates must have an earned doctorate or equivalent terminal degree in one of the disciplines listed below, and a record of scholarly and professional achievement appropriate for appointment with tenure at the senior level in one of these areas. WPI is eager to hear from women and underrepresented minorities concerning this position and all others open at the university.

The new head will have significant opportunities for directing program growth, as WPI intends to expand its curricular offerings in areas where science, technology, and new media interact with the humanities and arts. Present areas which the university plans to develop further include Theatre and Technology, Music and Technology, Interactive Media and Game Development, Professional Writing, and International Studies. In 2005 WPI adopted a Bachelor of Arts program; BA programs under design include Liberal Arts and Engineering and Hispanic Studies.

The department consists of 26 tenured and tenure-track faculty members in the fields of history of art and architecture, digital media, English including drama/theatre, modern languages (German and Spanish), history including history of science/technology, music, philosophy/religion, and writing and rhetoric. The duties of the department head include taking a lead role in developing new programs, hiring and nurturing new faculty, managing personnel matters and departmental budgets, representing the department's interest to the administration, and overseeing as well as participating in departmental teaching, research, and program development.

WPI, the nation's third-oldest private technological university, currently enrolls 2,851 undergraduates and 1,018 part-time and full-time graduate students. Its innovative project-based undergraduate program, the WPI Plan, offers students a flexible and academically challenging alternative to conventional pre-professional engineering curricula. WPI undergraduates complete a sequence of six courses in the humanities and arts, arranged through consultation with a faculty advisor. In addition, the Humanities and Arts Department offers a major and minor. Students and faculty have opportunities to participate in twenty off-campus project centers and more than a dozen international exchanges, including language programs in German and Spanish.

Situated in Worcester, the WPI campus is located close to many of the city's major cultural attractions, including the American Antiquarian Society, the Worcester Art Museum, local theater, poetry venues, and several major music performance halls. Forty miles west of Boston, Worcester offers access to the diverse cultural resources of New England, and provides opportunities for urban, suburban, or rural living.

The Search Committee will begin reviewing applications December 1, 2006, and applications will be considered until the position is filled.

Applicants should send a letter of application with resume to: **Humanities and Arts Head Search Committee, Office of Human Resources, 100 Institute Road, Worcester, MA 01609-2280.**

To enrich education through diversity, WPI is an affirmative action, equal opportunity employer.

Worcester Polytechnic Institute

Society for the History of Technology Annual Meeting
Washington, DC
October 17-21, 2007

The Society for the History of Technology will hold its annual meeting in Washington, D.C. from October 17-21, 2007. This meeting, along with the following year's meeting in Lisbon, will celebrate the 50th anniversary of the founding of SHOT and of its journal, *Technology and Culture*. The theme of both conferences will be [SHOT@50: Looking Back, Looking Beyond](#). To that end, the Program Committee seeks papers or sessions for the 2007 meeting that concern the History of Technology as it has been practiced in the past, and for the 2008 meeting as it may or ought to be practiced in the future.

The Committee welcomes proposals for individual papers or sessions, as well as works-in-progress from researchers of all stripes (including graduate students, chaired professors, and independent scholars). It also welcomes proposals from those new to SHOT, regardless of discipline. The committee will also consider alternative venues for presenting one's scholarship, such as poster sessions, short (8-minute) quick sessions, author-meets-critics panels, discussion of pre-circulated papers, and others.

Under the general theme of celebrating SHOT's past, several more specific themes suggest themselves. These are outlined below. The Committee is open to proposals not falling within these themes, but it suggests these as possible topics for papers and sessions.

Historiography

Over the past 50 years, members of SHOT have debated and discussed a number of historiographic approaches to the discipline. How successful have these approaches been in the past, and do they continue to serve us well? If they do not, what alternate approaches might one adopt? What has been the impact of computer and information technologies on conducting research and disseminating its results? What has been the effect of the increasing diversity among our members and audience on the study of the History of Technology?

The Historian and Other Disciplines

In SHOT's early days, a significant number of members were practicing or retired engineers. Engineers remain welcome, although their numbers and role in the Society have contracted. The Committee welcomes papers that explore the ways that historians vs. engineers, and their respective engineering societies, see the history of technology. Likewise, the Committee seeks papers that explore the relationship between SHOT and other societies that count historians of technology among their members, e.g. the National Park Service, the branches of the military, the Society for Industrial Archaeology, the Society of Architectural Historians, etc. We welcome papers from members of those societies, or from SHOT members who have interacted with them. Finally, the Committee seeks papers that examine the relationship between SHOT and museums of technology, a relationship that—as with engineers—was once closer than it is today. These include not only the major national museums of the United States, the U.K., and Germany, but also a host of smaller, specialized museums that deal with topics in the history of technology.

The Changing Context Since SHOT's Founding

SHOT was founded in the context of the Cold War, especially after the orbiting of Sputnik implied a criticism of Western technology. How did that context affect the practice of the history of technology? Has the end of the Cold War meant that this context is no longer relevant to SHOT's mission? How might the current conflicts around the world affect the direction of scholarship? Computer and information technologies have already been mentioned as

affecting the practice of history. Papers or sessions that explore “IT’s” origins and ascendance in relation to other technologies, ancient and modern, are welcome. Also welcome are papers that address the relationship of other, “post-1957” technologies, such as biotechnology, to technologies of an earlier era.

In addition to the themes suggested above, proposals for other topics that reflect the spirit of “Looking Back” are welcome.

The deadline for submission is March 16, 2007.

Proposals for individual papers must include:

- 1) a one-page abstract (maximum 600 words)
- 2) a one-page curriculum vitae, including current postal and e-mail addresses
- 3) a completed A/V equipment request form (available on the SHOT web site).

Proposals for complete sessions must include:

- 1) a description of the session that explains how individual papers contribute to an overall theme.
- 2) the names and paper titles of the presenters
- 3) for each presenter, a one-page summary (maximum 600 words) of the paper’s topic, argument(s), and evidence used
- 4) for the commentator, chair, and each presenter: one-page c.v., with postal and e-mail addresses
- 5) for each presenter, a completed A/V equipment request form.

Please indicate if a proposal is sponsored by one of SHOT’s special interest groups.

Submission Instructions

- 1) Materials should be sent as a text attachments to a single e-mail message to the Program Committee Chair, Paul Ceruzzi, at ceruzzi@si.edu.
- 2) Each component of the proposal should be a separate attachment. Thus an e-mail that proposes a single paper would have three attachments; an e-mail that proposes a session could have up to a dozen or more attachments.
- 3) Please adhere to the 600-word limit for all attachments. Use no unusual fonts or special formatting, and save each attachment either as a Microsoft Word document (.doc) or as a Rich Text Format (.rtf) file. Nearly all word processing programs, including those used on the Macintosh, can save text in the Rich Text Format. Do not use Adobe Acrobat (pdf).
- 4) Save your proposal and name it with your last name and the word “proposal,” e.g. “smith_proposal.doc.” Save your CV and equipment request form in the same manner, e.g. “smith_vitae.doc” and “smith_av.doc.”
- 5) A session organizer should also attach a description of the overall session and save it as an abstract, e.g. “jones_abstract.doc.” If you are organizing a session **and** proposing a paper in that session, you will be attaching both an “abstract” and “proposal” with your name on them, plus your c.v. and equipment request form.
- 6) If you are proposing a non-traditional session you may indicate that in the “abstract.” These also require a completed A/V requirements form and a curriculum vitae.

General information

SHOT rules do not allow multiple submissions (i.e. submitting more than one individual paper proposal, or proposing both an individual paper and a paper as part of a session). You may propose a paper and serve as a commentator or session chair at another session.

Sessions should be focused on a single topic, but a session's members should represent a diversity of approaches. At the very least, the members of a session should not all be from the same academic or institutional department.

Because of the unique nature of this and next year's meeting, SHOT is waiving its customary rule that prevents scholars from presenting at two consecutive domestic meetings. As mentioned above, however, papers or sessions that address the **future** of the Society should be held for the 2008 meeting in Lisbon.

SHOT cannot guarantee the availability of digital projectors for all sessions. Those with access to projectors are encouraged to bring their own, and to let the Program Committee know if they might have equipment to share. For more information about AV equipment, please see the AV request form.

Additional information can be found online at the new web site: <http://www.historyoftechnology.org/fiftieth.html>. For questions about the program themes, submission guidelines, or any other aspects of the Call for Papers, please call Paul Ceruzzi, Program Committee Chair: 202-633-2414, or send an e-mail to ceruzzi@si.edu.

Audio-visual equipment information

There will be a \$35 fee (\$25 for graduate students) (payable at pre-registration) for anyone who wants to use a digital projector that SHOT provides. Presenters are welcome to bring their own Powerpoint projectors to use for free (but neither SHOT nor the hotel can be responsible for security or for helping set up). Those who want to use Powerpoint will also be responsible for supplying their own laptop computers to use for their presentations. Presenters can still request overhead projectors or slide projectors from SHOT at no extra cost. Please see the A/V equipment request form available on the SHOT web site for more information, and please note that proposals will not be accepted without a completed AV form. Late equipment requests will not be accepted.

Cancellation policy

Anyone who puts in a paper proposal that gets accepted and then subsequently cancels their presentation or does not show up at the meeting, without a good excuse (i.e. family emergency), will not be allowed to give another SHOT paper until the 2010 meeting.

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PRESIDENT'S MESSAGE

In July 2006 SHOT secretary Amy Bix received this request from the American Council of Learned Societies:

“We ask you to prepare a short essay (approximately 1,000 words) on an important intellectual, conceptual, or methodological change in the recent history of your society's discipline or field. The essay should focus on how the society either nurtured that change or was affected by it, or perhaps ignored it. You might choose to address a change in the way the society operates, a reconceptualization of the role of the society in relation to the field or discipline, or the necessity to expand the definition of the field or discipline.”

The message explained that these essays would provide useful input into planning for a 2007 retreat in which ACLS “will consider how confronting major disciplinary change drives association leadership, governance, publications, and finances.” The underlying premise of the retreat (the ACLS stated) is that the operational functions of the society should naturally support and encourage the growth of scholarship and learning in the discipline or field represented by that society.

I am not in favor of summer homework: children and adults alike are better off with time at the beach. Once getting beyond initial annoyance, however, Amy and I realized that the ACLS request presented an opportunity for reflection about SHOT as a learned society, especially as we approach our 50th anniversary. It also presented me with an opportunity to compose my last newsletter column as SHOT President on an interesting and important topic. Here is the result:

* * * * *

The founding of the Society for the History of Technology (SHOT) in 1958 was intended to define a new field of research and teaching within the discipline of history. From the beginning, SHOT members have sought to broaden and deepen understanding of what “technology” means. Much of SHOT’s institutional history over the past half century may be summarized as encouraging a constant and multi-faceted process of self-redefinition.

When SHOT was founded, “technology” (both the word and the concept) had only recently come into common usage in English. In the Cold War West, “technology” was generally associated with human control over the non-human material world; the collective activities of civil, military, and industrial engineering; the individual stories of inventors, entrepreneurs, and businessmen; the power of capitalism and the state; knowledge acquired from scientific research and empirical engineering practice; values of rationality and instrumentality; and goals of material abundance and democratic governance, commonly summarized as “progress.”

Activities and events identified as “technological” in this Cold War context are not readily discernable in much of the historical record. They would not have been called “technological” at the time, since the word was not available; they were carried out in entirely different contexts; and even by other names, they would not have been regarded at the time as significant elements of history. To some extent, and maybe to a large extent, the history of technology is an exercise in anachronism.

SHOT members have broadened and deepened understanding of “technology” through retrospectively raising historical consciousness. They have identified and brought into the historical record activities and events that are now deemed significant in the development of civilization, even if people in the past would not have seen it that way. For example, historians of technology have recast the history of the European Middle Ages by showing the importance of dramatic improvements in plows design, of inventions in harnesses for horses and large draft animals, of the three-field system of crop rotation and of timekeeping systems and devices in monastic organizations.

Other historians of technology have extended the boundaries of “technology” by pushing beyond civil, military, and industrial engineering, of which the centrality was generally assumed by SHOT’s own founding fathers. SHOT scholars have repeatedly argued, in essence, “this too is technology”—for example, in the case of household technologies, arguing that pots and stews and kitchen gardens are as much a technological system as the River Rouge automobile factory (and arguing, further, that the automobile has played an important role in the restructuring of domestic labor). Both the retrospective and the contemporary extensions of the meaning of “technology” have brought into the historical record individuals and groups who would otherwise not have been accorded historical attention at all, or at least not as technological agents: Dutch housewives, telegraph messenger boys, medieval monks, and African-American slaves on the rice plantations of Georgia, to name a few examples.

In broadening and deepening our collective understanding of “technology,” SHOT has made three societal resources available to its members: space in its preeminent journal *Technology and Culture*, session time in its annual meeting, and information systems that allow members to connect with each other (sometimes in Special Interest Groups, and sometimes in more informal ways). SHOT has encouraged members to use these resources even when—especially when—they have challenged the founding premises of the Society. The first session on “domestic technology” at a SHOT annual meeting is still remembered both for the significance of the papers presented there and also for the liveliness of the discussion afterwards. Also remembered, and still being debated, is the discussion in the pages of *Technology and Culture* about the very need for a separate society for the history of technology given the contextual nature of the field.

At the same time, events in the larger historical world have also kept pushing SHOT members towards a more inclusive understanding of “technology.” While digitization may not create a methodological challenge unique to the history of technology, information technology poses a unique challenge for SHOT members by creating a new area of study while undermining long-held assumptions about the nature of “technology.” Software and the World Wide Web are novel kinds of engineering artifacts; “software engineering” reorients design from the manipulation of matter to the manipulation of symbolic code. Technology now ranges far beyond the range of the common-sense and of the openable black box; it now extends from the nano scale to global logistical systems.

Once again, the resources of SHOT—meeting, publication, information—have supported members as they have expanded their research and teaching in new areas. However, as the meaning of “technology” has expanded, so has the number of people who want to read and learn and think about it. In academic settings, historians of technology increasingly find themselves in lively interdisciplinary mixes with historians of science, philosophers of science and technology, STS scholars engaged in social studies of science and technology, and other scholars depending on the situation. Often these interdisciplinary mixes are organized around policy questions where a “historical perspective” is sought. Beyond the academic world, many other professional groups—architects, physicians, lawyers, journalists, military officers, clergy, and businesspeople, among others—are keenly interested in the implications of new technologies for their professional practice and have a more general interest in how “technology” is affecting “history” (e.g. has the world become “flat” and if so what does this mean?).

This expansion of interest in “technology,” while welcome to SHOT and its members, poses new challenges for us. SHOT has always had a healthy representation of non-academics in its ranks: a 1996 reader survey of *Technology and Culture* shows that only about half of SHOT members are historians in four-year colleges and universities, the remainder working for the government, private sector firms, or independently. Still, the dramatic expansion of general interest in “technology” means an expansion of potential audience—people interested in the history of technology who are unlikely to become engaged in our traditional meetings, publications, and information networks.

SHOT is trying to respond in a number of ways, in an experimental spirit. We will develop more and better partnerships with other organizations whose members have overlapping interests with ours. We are already doing this with the National Academy of Engineering, and we hope that other such groups will become more involved in our annual meeting and in various collaborative activities. We will experiment with some new formats at our

meeting that might appeal to some non-academic participants (e.g. science and technology journalists). The new SHOT website and especially our new electronic publication eTC are intended to help us connect with new audiences. In a more traditional format, we are cosponsoring the Technology and Culture Forum in southeast Michigan, so that outreach to the general public has become part of arrangements for supporting the publication of *Technology and Culture*.

Finally, SHOT faces the challenge of extending our geographic range beyond our traditional core area of the United States and Western Europe. This is not a new concern. Over fifteen years ago SHOT decided to hold one of every four annual meetings in Europe, and we continue to discuss the feasibility of holding meetings elsewhere. We are in process of revising our Constitution to develop a more effective cadre of Visiting Scholars, who can act as “SHOT ambassadors” in parts of the world where the Society lacks effective presence.

But as we get more serious about internationalizing, the obstacles become more evident. The world may be flat, but for most American and European-based academics (as opposed to corporate travelers) the costs of getting to, say, east Asia for a meeting are prohibitive. The reverse is even more true: only a handful of scholars from Africa or South America or even East Europe can attend meetings regularly. Especially in the post-9/11 world, scholars from south Asia or the Middle East in particular confront difficulties in getting visas and other travel documents.

Internationalizing SHOT leadership positions is much desired, but it carries significant financial costs. SHOT has assumed that elected leaders and committee members will pay their own way to the annual meeting, as part of their service to the Society—but this expectation narrows the range of potential candidates if they cannot afford to travel to distant places. SHOT has explored the possibility of holding its annual spring business meeting outside of the United States, but this would be a serious drain on the budget. If the majority of attendees were not from the United States, but from all around the world, it would still be a major expense to gather than in the same place at the same time.

Does this mean that the annual meeting should become a less important part of SHOT ritual? That face-to-face business meetings will be replaced by virtual ones? Will SHOT become part of a network of learned societies in the history of technology rather than being a global mother ship? Expanding our geographical reach is proving more difficult than expanding our intellectual reach. We have to figure out how to do this, however, because the two are connected. The most important reason to internationalize SHOT is not to get more like-minded people to join our Society, but to open it up to those who are not of a like mind, who will bring us new perspectives and priorities. Only then can SHOT continue to help scholars broaden and deepen understanding of “technology” over the next fifty years.

Rosalind Williams
MIT



GRANTS and FELLOWSHIPS**Postdoctoral Fellowship and Travel Grant Opportunities at the NIH**

DeWitt Stetten, Jr., Fellowship at the National Institutes of Health seeks to encourage historical research and writing about biomedical sciences and technology by providing a postdoctoral fellow, at the beginning stages of the professional career, with a year's research experience in residence at the Office of NIH History. The Stetten Fellow will have access to the resources of the Office of NIH History, the collections of the Stetten Museum, the National Library of Medicine, and to other repositories in the Washington, DC area. The Fellow will conduct research under the supervision of the Director of the Office of NIH History and also be guided by a scientific mentor (for assistance in finding a scientific mentor, contact the Office of NIH History). The Fellow will be expected to participate in historical activities on campus, including presentation of one or more seminars and lectures. Application deadline is **December 15, 2006**.

The John J. Pisano Travel Grants are administered through the Office of NIH History for the purpose of encouraging historical research relating to the NIH intramural programs. One or two grants each year are expected to be available at the level of \$1,500 for United States residents and \$2,000 for recipients who reside outside the United States. This will be a lump sum award. Recipients are responsible for making all arrangements for travel to and accommodations in Bethesda. Applications for an award may be submitted at any time and will be reviewed within 3 months of receipt.

For more information, please visit our website <http://history.nih.gov> and click on Fellowships and Grants. If you have any further question, please contact Dr. Buhm Soon Park at parkb@mail.nih.gov or send your email to history@nih.gov.

**Post-doc, Science in Human Culture
Northwestern University**

Northwestern University's Science in Human Culture Program (SHC) invites applications for a two-year postdoctoral fellowship in the contextual study of science, technology, and medicine, to run September 2007 through August 2009. We seek applicants in the history of science/medicine/technology, the philosophy of science, and the sociology/anthropology of science. Each fellow will be affiliated with both the SHC program and with an appropriate disciplinary department (History, Philosophy, Sociology, etc). Fellows will pursue a program of independent scholarship; teach two one-quarter courses each year (a seminar and a lecture); and organize the SHC bi-weekly faculty seminar series. Applicants must have completed all the requirements for the Ph.D. before beginning their fellowship. The annual stipend is \$40,000 with an allowance for moving expenses, plus \$3100 per year to fund research and conference travel.

Applicants should send the following materials--in both paper and electronic form--directly to the SHC office: 1) a cover letter and full curriculum vitae, 2) a four-page fellowship proposal, 3) a writing sample consisting of either a dissertation chapter or published paper, and 4) graduate school transcripts. They should also arrange to have three letters of recommendation, at least one commenting on teaching qualifications, sent directly as paper copies to the office. Office address: Ms. Barbara Phelan, Program in Science in Human Culture, 20 University Hall, Northwestern University, Evanston, IL 60208-2245. The due date for all materials is **January 15, 2007**.

The SHC website is

<http://www.shc.northwestern.edu/>.

Questions about administrative matters may be addressed to Ms. Phelan at

b-phelan2@northwestern.edu

about the content and goals of the program to Ken Alder at k-alder@northwestern.edu.

AA/EOE: applications from women and minorities are especially encouraged.

IEEE Fellowship In Electrical History Academic Year 2007/2008

The IEEE Fellowship in Electrical History supports either one year of full-time graduate work in the history of electrical science and technology at a college or university of recognized standing, or up to one year of post-doctoral research for a scholar in this field who has received his Ph.D. within the past three years. This award is supported by the IEEE Life Members Committee. The stipend is \$17,000, with a research budget of \$3,000.

Candidates with undergraduate degrees in engineering, the sciences, or the humanities are eligible for the fellowship. For pre-doctoral applicants, however, the award is conditional upon acceptance of the candidate into an appropriate graduate program in history at a school of recognized standing. In addition, pre-doctoral recipients may not hold or subsequently receive other fellowships, but they may earn up to \$5,000 for work that is directly related to their graduate studies. Pre-doctoral fellows must pursue full-time graduate work and evidence of satisfactory academic performance is required. These restrictions do not apply to post-doctoral applicants.

The Fellow is selected on the basis of the candidate's potential for pursuing research in, and contributing to, electrical history. Application forms are available on-line at

http://www.ieee.org/organizations/history_center/fin_support.html.

The deadline for completed applications is **February 15, 2007**. This completed application packet should be sent to the Chairman, IEEE Fellowship in Electrical History Committee, IEEE History Center, Rutgers, The State University of New Jersey, 39 Union Street, New Brunswick, NJ 08901-8538. Applicants will be notified of the results by 1 June 2007.

The IEEE Fellowship in Electrical Engineering History is administered by the IEEE History Committee and supported by the IEEE Life Members Committee.

IEEE History Center Internship—2007

Scholars at the beginning of their career studying the history of electrical technology and computing are invited to contact the Center to be considered for a paid Internship at the Center's offices on the Rutgers University campus in New Brunswick, New Jersey.

The intern program seeks to provide research experience for graduate students in the history of electrical and computer technologies, while enlisting the help of promising young scholars for the Center's projects. The Intern generally works full-time for two months at the History Center on a Center project that is connected to his or her own area of interest. This time is usually during the summer, but other arrangements will be considered. Interns are also encouraged to consult with the Center's staff and its associates, and guided to research resources in the area. The internship is designed for those near the beginning or middle of their graduate careers, but advanced undergraduates, advanced graduates, and -- on rare occasions -- recent Ph.D.s, will also be considered. Special consideration is often given to scholars from outside the United States who might not otherwise have an opportunity to visit historical resources in this country.

The stipend paid to the intern is US\$3,500, but additional funds might not be available to defray travel costs, depending on the intern's circumstances. This internship is supported by the IEEE Life Members Committee.

There is no formal application form. To apply, please mail a curriculum vitae showing your studies in electrical history along with a cover letter describing the sort of project you would be interested in doing (see contact information below). The deadline for contacting the IEEE History Center is **March 1, 2007**.

Send information to Internship, IEEE History Center, Rutgers, The State University of New Jersey, 39 Union Street, New Brunswick, NJ 08901-8538

ieee-history@ieee.org.

Electronic submissions welcome.

Winterthur Museum Research Fellowship Program 2007-2008

Winterthur Museum and Country Estate is pleased to announce its Research Fellowship Program for 2007-2008. Winterthur offers an extensive program of short and long-term fellowships open to academic, independent, and museum scholars, including advanced graduate students, to support research in material culture, architecture, decorative arts, design, the history of technology, consumer culture, garden & landscape studies, Shaker studies, travel and tourism, the Atlantic World, childhood, sentimental literary culture, and many other areas of social and cultural history.

Fellowships include 4-12 month NEH Fellowships, 1-2 semester McNeil Dissertation Fellowships, and 1-2 month short-term fellowships. Fellows have full access to library collections of more than 87,000 volumes and one-half million manuscripts and images. Resources for the seventeenth to the early twentieth centuries include period trade catalogs, auction and exhibition catalogs, an extensive reference photograph collection of decorative arts, printed books, and ephemera, searchable online at www.winterthur.org/research/library_resources.asp. Fellows may also conduct object based research in the museum collections, which include 85,000 artifacts and works of art made or used in America to 1860, with a strong emphasis on domestic life. Fellowship applications are due January 15, 2007. For more details and to apply visit www.winterthur.org/research/fellowship.asp or email program director Katherine C. Grier at kgrier@winterthur.org.

The Bakken Library and Museum

The Bakken Library and Museum, Minneapolis, offers Research Travel Grants and Visiting Research Fellowships and for the purpose of facilitating research in its collection of books, journals, manuscripts, prints, and instruments. Travel Grants up to a maximum of \$500 (domestic) and \$750 (foreign) are to be used to help to 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 any time during the calendar year.

Visiting Research Fellowships up to a maximum of \$1,500 are to be used to help to defray the expenses of travel, subsistence, and other direct costs of conducting research at The Bakken. The minimum period of residence is two weeks. Preference is given to researchers who are interested in collaborating for a day or two during their research visit with The Bakken on exhibits or other programs. The next deadline is **February 16, 2007**.

For more details and application guidelines, please contact:

Elizabeth Ihrig, Librarian
The Bakken Library and Museum
3537 Zenith Avenue So.
Minneapolis, MN, 55416
Phone: 612-926-3878 ext. 227
Fax (612) 927-7265
Email Ihrig@thebakken.org

*Begin making plans now
to attend the next
SHOT Annual Meeting
Washington, DC
October 17-21, 2007*

<p>EMPLOYMENT</p>

**VIRGINIA POLYTECHNIC INSTITUTE
AND STATE UNIVERSITY
Blacksburg, VA
Assistant Professor in the Department of
Science and Technology in Society**

The successful candidate must have a demonstrable interdisciplinary background as well as familiarity with historical methods. S/he must be able to teach the STS Graduate Program's core courses in the history of science and/or technology. We especially encourage applications from candidates who will help us build upon existing connections with other units in the university. See the website for these connections. We have special interests in twentieth century science and technology, globalization, politics of science and technology, minorities and underrepresented groups in science and technology, engineering studies, energy and environment. The candidate will be expected to teach three semester courses per year, undergraduate and graduate, with usual advising, service and research 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 2007. 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 061086. 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
(540) 231-8966

We will start reviewing applications **on December 1, 2006** 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, and people with disabilities. Individuals with

disabilities desiring accommodations in the application process should notify Ellsworth Fuhrman.

**History of Science
Tenure-track or tenured faculty position
Assistant or Associate Professor
University of Oklahoma**

The University of Oklahoma invites nominations and applications for a faculty position at the rank of assistant professor (tenure-track) or associate professor (tenured) in the Department of the History of Science. Starting date is August 16, 2007. We seek candidates whose scholarship addresses the **modern history of science, technology or medicine outside North America**. Further area of specialization is open. We seek candidates eager to participate in an active graduate program, a growing undergraduate minor, and courses that help fulfill the University's general education requirements. Candidates should demonstrate excellence in broad-based teaching in the history of science and research achievement commensurate with the length of professional experience in the field. Ph.D. required at the time of appointment. Review of applications will begin **October 16** and continue until the position is filled. Some preliminary interviews will be conducted at the History of Science Society meeting in Vancouver (November 2-5, 2006); accommodations will be made for others as appropriate. Letters of application should be accompanied by a complete curriculum vitae, a writing sample, and the names of three individuals writing recommendation letters (the letters themselves should be sent by the recommenders directly to the search committee). Contact: Katherine Pandora, Search Committee Chair, Department of the History of Science, University of Oklahoma, 601 Elm, Room 625, Norman, OK 73019-3106. Phone: 405-325-3427; Fax: 405-325-2363; email: kpandora@ou.edu; Web: www.ou.edu/cas/hsci/.

The University of Oklahoma is an Equal Opportunity/Affirmative Action Employer. Women and under-represented minorities are encouraged to apply. OU has a policy of being responsive to the needs of dual-career couples.

**President
Chemical Heritage Foundation
Philadelphia, PA**

The Chemical Heritage Foundation grew out of an idea, honed by a group of individuals in academia and industry, that the heritage of the chemical and molecular sciences was worthy of attention, not only for its value in charting intellectual and social progress and political hegemony, but also for the lessons it offers the present and the inspiration it provides for future generations of scientists. From this idea has grown a unique organization that is at once a library, a think tank, a celebrator of remarkable scientific achievement and innovation, a repository of invaluable oral history, a cultivator of professional and popular awareness of science, and an unbiased provider of information and perspective on the chemical and molecular sciences and the issues that surround them.

The Chemical Heritage Foundation seeks a President that is an individual with the unique talents of a scholar and an entrepreneur, one who combines a passion for the long sweep of chemistry and molecular science with the drive to build and sustain a successful enterprise. Reporting to the CHF Board of Directors, the President of CHF provides leadership to the Foundation and its programs. S/he has management and oversight responsibilities for the day-to-day operations of the Foundation and for building and sustaining relationships with its many affiliates, external constituents, and supporters.

The successful candidate will be a leader of recognized accomplishment in the chemical and molecular sciences and/or the history of science, technology or medicine more broadly. The President will be someone who articulates the vision and mission of CHF with energy and have a passion for the mission of CHF to preserve, educate and inspire.

Inquiries, nominations and current resumes should be directed electronically to:

Kim M. Morrisson, Ph.D., Managing Director or
Molly Collet, Vice President and Senior Associate
Diversified Search Ray & Berndtson
2005 Market Street, Suite 3300, Philadelphia, PA
19103 Phone: 215-656-3588
Email: CHF@divsearch.com

For additional information, please consult the Chemical Heritage Foundation website at <http://www.chemheritage.org> CHF is an Equal Opportunity Employer

**History of Science
Tenure-Track Faculty Position
Assistant Professor
University of Oklahoma**

The University of Oklahoma invites nominations and applications for a faculty position at the rank of assistant professor (tenure-track) in the Department of the History of Science. Starting date is August 16, 2007. We seek candidates whose scholarship addresses the **history of science, technology or medicine in any period from antiquity to 1800 in any national or regional context**. We seek candidates eager to participate in an active graduate program, a growing undergraduate minor, and courses that help fulfill the University's general education requirements. Candidates should demonstrate excellence in broad-based teaching in the history of science and research achievement commensurate with the length of professional experience in the field. Ph.D. required at the time of appointment. Review of applications will begin **October 16** and continue until the position is filled. Some preliminary interviews will be conducted at the History of Science Society meeting in Vancouver (November 2-5, 2006); accommodations will be made for others as appropriate. Letters of application should be accompanied by a complete curriculum vitae, a writing sample, and the names of three individuals writing recommendation letters (the letters themselves should be sent by the recommenders directly to the search committee). Contact: Steven J. Livesey, Search Committee Chair, Department of the History of Science, University of Oklahoma, 601 Elm, Room 625, Norman, OK 73019-3106. Phone: 405-325-2213; Fax: 405-325-2363; Email: slivesey@ou.edu; Web: www.ou.edu/cas/hsci/.

The University of Oklahoma is an Equal Opportunity/Affirmative Action Employer. Women and under-represented minorities are encouraged to apply. OU has a policy of being responsive to the needs of dual-career couples.



Polytechnic

UNIVERSITY

CELEBRATING *150* YEARS IN BROOKLYN

Polytechnic University invites nominations and applications for the position of the **Dibner Chair in History of Technology and Science**, with an accompanying faculty position as Full Professor in the Department of Humanities and Social Sciences (www.poly.edu/humanities), and appointment as an Othmer Faculty Affiliate of the Othmer Institute for Interdisciplinary Studies. A secondary appointment in a related field is possible, depending on the background of the individual selected. Qualified candidates will be scholars of international repute with a distinguished record of published research in the area of history of technology and science, commensurate with the stature of this position.

Applicants should: (1) possess the motivation and skill required to develop curricula to round out the education of 21st century students of technology and science; (2) have an accomplished research background in history of technology and science; (3) show evidence of excellence in teaching and mentoring; (4) demonstrate a record of collaborative and interdisciplinary scholarly work; and (5) possess outstanding intellectual leadership. The successful applicant will have a demonstrated ability to work as an academic in a dynamic environment and a leadership style emphasizing innovation, collegiality, teamwork, communication and a service orientation.

Polytechnic University is the second-oldest private engineering institution in the U.S. and is located in downtown Brooklyn -- a burgeoning hub of innovative research and education for all of metropolitan New York. Polytechnic is an Affirmative Action/Equal Opportunity Employer with a strong commitment to the achievement of diversity among its faculty and staff. Review of applications will begin immediately and continue until position is filled.

Applicants should submit: (1) a letter outlining background and interests in teaching, research, administrative and professional service; (2) a CV, and (3) names and addresses of five professional references. Materials and inquiries may be submitted to: hresumes@poly.edu or Polytechnic University, 6 Metrotech Center, Jacob 258, Brooklyn, NY 11201.