This November, members of the History of Science Society and the Philosophy of Science Association will convene in Vancouver, British Columbia for the 2000 meeting. Program chairs Tom Broman, Lynn Nyhan, and John Harley Warner read a record number of paper and session proposals and have assembled a program that is of the highest intellectual caliber (a preliminary version appears in this newsletter). We offer our thanks to the program chairs for their unflagging devotion to this task and for the many difficult choices they were forced to make. Their efforts will reward our profession in many ways.

The meeting itself will take place in one of the more beautiful cities in the world. Vancouver, which rests on the southwest coast of British Columbia, is located on the Strait of Georgia and is bisected by the Fraser River. The city, warmed by the Japanese Current and sheltered by the mountains of the Pacific Range, features average daytime temperatures in early November in the low 50s F (ca. 12°C).

The conference hotel, the Hyatt Regency Vancouver, 655 Burrard Street, (604) 683-1234 is located in the middle of the downtown region and is within easy walking distance to such popular attractions as Gastown and the waterfront, and is one mile from Stanley Park and its 1000 acres of natural woodlands with trails, picnic areas, zoo, and aquarium. Delegates traveling by air will want to check on direct flights to Vancouver. Vancouver International Airport (YVR) is a beautiful facility with a modern international terminal that opened in 1996. The Society's travel agent for the conference, Sandra Courtney (see her ad on page 3), knows Vancouver exceedingly well and will be able to help attendees formulate their travel plans. Those who wish to meet their colleagues at the airport will want to visit the Globe@YVR at the Fairmont Hotel, located adjacent to the international terminal. The Globe@YVR was voted one of the best restaurants in a city gaining international recognition for its cuisine. For those traveling with children, the airport offers an unsupervised play area and nursery in the corridor connecting the domestic and international terminals, as well as complete baby care facilities.

Delegates traveling by car will find ample parking space (parking costs for guests is $18.50 CAN/day for unlimited access and the charge may be placed on the room account. There is no extra charge for valet parking). Crossing into Canada is simple. Although border guards typically do not ask to see any identification, delegates should bring a passport, resident alien card, or green card. (Please note that a driver's license is not accepted as proof of citizenship). When you arrive at the border, simply state that you are traveling to Canada for personal reasons; you should budget 30–60 minutes to clear the line at Customs. Lines on the weekend are typically longer (this will be especially true for those returning to the U.S. on Sunday). To reach the hotel by car, travel north on Highway 99. Go through the George Massey Tunnel and continue down Oak Street over the Oak Street Bridge. Keep going about 50 blocks and turn left on 12th Avenue. Go down about 4 sets of flights to Burrard Street and turn right. Cross the Burrard Street Bridge, and after about ten blocks, you will see the 34-story Hyatt on your left-hand side at 655 Burrard. Please note that the check-in time is 4:00 p.m. Delegates may request an early check-in time, which the hotel will try to accommodate as best as it can.

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changing facilities in all the washrooms. Those who have special needs can phone (604) 276-6373 to learn more about the airport’s services. Free baggage carts are readily available throughout the airport.

For travel to the hotel from the airport, there is an airport shuttle bus—the local Airporter—a 45-passenger bus that runs on the hour and half hour. Simply turn to your left as you leave Customs, exit the glass doors and the Airporter will be directly in front of you. At the time of publication, a one-way trip cost $10 CAN, round-trip $17 CAN. Tickets can be purchased at the small kiosk located next to the street or at the information desk. Charge cards are accepted. The trip to the hotel may take 45–55 minutes. If one prefers to travel by car, the trip takes approximately 20–30 minutes, depending on the time of day. A taxi costs around $25 CAN (This is a per cab fee and not per person.) Those traveling in groups may wish to use the airport limousine service. These cars hold up to six passengers and cost $35 CAN. Each of these services is located in the same area as the shuttle bus. For the return trip to the airport, the Airporter leaves the Hyatt at 10 to the hour and 20 after the hour. Cabs are readily available, but delegates may wish to book a car in advance. If you need help or information at the airport, volunteers are available from 9 to 6 and are easy to spot in their green blazers. An information desk, The Tourism Infocentre, is located to your left as you exit Customs and can provide you many forms of assistance.

Once you arrive at the Hyatt, you have easy access to public transportation. Vancouver’s Translink (www.translink.com) features buses, a skytrain, and a sea bus (a skytrain terminal is located just outside the Melville Street entrance of the hotel). Fares are the same for all three modes of transportation. Discount fares go into effect after 6:30 p.m. on Friday where travel between all zones falls to $1.50 CAN. Daypasses are available for $6.00 and may be purchased at the skytrain terminal next to the hotel.

Reception at the University of British Columbia

We are delighted to announce that the President’s Office of the University of British Columbia will host a reception for HSS and PSA members on Thursday evening, 2 November, 7:30–9:30. The reception will be held in the beautiful and world-renowned Museum of Anthropology. The Museum, the largest teaching museum in Canada, houses 30,000 ethnographic objects and 200,000 archaeological objects in its collections, representing many parts of the world, including the South Pacific, Asia, Africa, Europe, and the Americas. Permanent exhibits emphasize the First Nations of coastal B.C.

Because of the limited space available for the reception, we can only include the first 160 delegates who sign up for this special event. Tickets (to cover transportation costs) will be sold through the HSS Executive Office (please see the registration form on page 4). We wish to thank the President’s Office at UBC for making this special event possible.

REMINDER—The Isis Bibliography from 1975 to the present is available online with the Research Libraries Group (RLG). Members of the Society may access the RLG Web site, and the History of Science and Technology Database (HST) through the HSS homepage http://depts.washington.edu/hssexec/ RLG has assigned us "Y6.G19" as a "User Name" and "HSSDEMO" as a "Password."
Joint Meeting

History of Science Society Secretary

The History of Science Society invites applications for the position of Society Secretary (which should not be confused with the Executive Directorship). The Secretary serves for a two-year, renewable term on the HSS executive committee and is responsible for maintaining all official records of the Society’s meetings, including the minutes of the executive committee, the council, and the business meeting. Other duties, including maintaining liaison with affiliated societies, may be assigned by the executive committee. Familiarity with the governance of the society (e.g., gained by service on the council or a standing committee) is desirable. The selection committee comprises the president of the HSS (as chair), the Vice-President, and the members of the newly elected nominating committee. Letters of application (accompanied by a c.v. and the names of three references) should be sent by September 15 to Ronald L. Numbers, Department of the History of Medicine, 1300 University Ave., University of Wisconsin, Madison, WI 53706 (Fax: 608-262-2327; RNumbers@med.wisc.edu).

2000 Election Results

Council (1 Jan 01–31 Dec 03)

Katharine Park Margaret Schabas
Karen Parshall Robert Westman
Philip Pauly

Nominating Committee (will choose slate for 2001)

(Council members)
Kathryn Olesko Alan Shapiro
Pamela Smith

(At Large)
Sally Gregory Kohlstedt Edith Dudley Sylla

Our thanks to all of those candidates who stood for the election and to the 234 members who voted.

Travel Grant Applications

Travel Grants are available to graduate students and independent scholars who are presenting papers or are participating in societal governance at the 2000 HSS Annual Meeting in Vancouver. Preference will be given to HSS members and applicants who have not received funding in the past year. In order to be considered for a Travel Grant, applications must be received in the HSS Executive Office by 1 September 2000. An application can be found on page 36 of this publication, as well as on the HSS Web site (http://depts.washington.edu/hssexec/annual/travel.html). Electronic submission is strongly encouraged.

All travel supported by an HSS Travel Grant should be arranged through the Society’s travel agent, Sandra Courtney. (Please note that those who are outside the US are not eligible for a convention discount.) Travel grants cover travel to the meeting location only and are usually awarded to cover a portion of the travel costs. In addition, the Society will reimburse only those costs reported to the Society in the form of the HSS Travel Expense Report. For reimbursement purposes, HSS Travel Grant awardees should not purchase an e-ticket. As per National Science Foundation requirements, only travel on US air carriers will be reimbursed. For additional information or inquiries, please contact the HSS Executive Office.

Future HSS Meetings

Vancouver, BC
2–5 November 2000

Denver, CO
8–11 November 2001

Milwaukee, WI
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CONFERENCE REGISTRATION FORM

electronic registration is strongly encouraged
http://depts.washington.edu/hsexec/annual/register.html
Meeting dates are 2–5 November 2000

Please note: Conference registration does not include hotel reservations. To reserve a room at the conference hotel, please turn to page 5.

Category (please circle): HSS Member Non-member Exhibitor

Name (as will appear on name tag):

Institution (as will appear on name tag):

Address:

City: __________________ State/Province: ________________ Zip/Postal Code: ____________

Country: __________________ Telephone: ____________ E-mail: __________________

<table>
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<th>Category</th>
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<tr>
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Banquet, 4 November 2000

Please circle meal choice:
- chicken meat
- vegetarian

$35.00

Museum of Anthropology

Reception

Thursday, 2 November
7:30 p.m.–9:30 p.m.
(space is limited—4 ticket maximum)

$5.00

TOTAL OF ALL CHARGES:

Payment Information

Conference Registration Form and payment by check, money order, or credit card must be received by 6 October 2000 to take advantage of early registration rates. Return to HSS Executive Office, Attn: Annual Meeting Registration, University of Washington, Box 351330, Seattle, WA 98195-1330, USA. Phone: (206) 543-9366, Fax: (206) 685-9544, E-mail: hsexec@u.washington.edu.

All Rates Listed are in U.S. Dollars. Full refund if requested by 6 October 2000.

Check (in US dollars) payable to the: History of Science Society.

Credit Card: Visa and Mastercard only!

Credit Card #
Exp. Date Signature
**HOTEL RESERVATION FORM**

*The Hyatt Regency Vancouver is pleased to welcome the HISTORY OF SCIENCE SOCIETY, 2–5 November 2000*

<table>
<thead>
<tr>
<th>Schedule of Rates*</th>
<th>Terms</th>
</tr>
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<tbody>
<tr>
<td>Single...................$169</td>
<td>• Room rates are subject to taxes, currently 17%. The 7% GST is refundable to non-Canadian residents.</td>
</tr>
<tr>
<td>Double...................$169</td>
<td>• Check-in time is 4:00 p.m. and check-out is 12:00 p.m. Early check-in and late check-out subject to availability.</td>
</tr>
<tr>
<td>Triple....................$194</td>
<td>• Children under age 18 are free when occupying the same room with an adult.</td>
</tr>
<tr>
<td>Quadruple..............$219</td>
<td>• Cancellation notice for refunds is required 48 hours prior to scheduled arrival.</td>
</tr>
</tbody>
</table>

* All rates listed are in Canadian Dollars.

- Any change made to this reservation after check-in (including early departure) is subject to a $75.00 administrative fee.
- Regency Club accommodations are an additional charge of $35.00 per room subject to availability; Business Plan rooms are an additional $25.00 (includes fax machine).

Name: ____________________________________________

Roommate(s) (if applicable): ____________________________________________

Address: ____________________________________________

City: ____________________________ State/Province: ____________________________ Zip/Postal Code: ____________________________

Country: ____________________________ Telephone: ____________________________ Fax: ____________________________

I will arrive on _____________________________. I will depart on _____________________________.

- Single
- Double (2 persons/1 bed)
- Double (2 persons/2 beds)

- Accessible room requested
- Non-smoking room requested
- Roll-away bed requested

- Guarantee my room for late arrival. I have enclosed one night’s room and tax deposit.
- Guarantee my room for late arrival. Please charge my credit card one night’s room and tax: (please circle one)

- AX
- VS
- MC
- DC
- JCB
- JAL

Please make reservations no later than 2 October 2000.

Reservations will not be accepted without credit card guarantee or one night’s deposit of room and tax.

If making reservations by phone DO NOT complete this form.

**Payment Information:**

Return this form directly to:
The Hyatt Regency Vancouver, Attn. Reservations,
655 Burrard Street
Vancouver, BC V6C 2R7
CANADA

Or, to make reservations by phone call toll free 1-800-233-1234.

Identify yourself as attending the History of Science Society meeting to receive the group rate. Reservations must be received by 2 October 2000 to receive the special rate.

Credit Card# ____________________________

Exp. Date _____ Signature ____________________________
**HSS 2000 PRELIMINARY PROGRAM**

This information is subject to change. For the most up-to-date program, please visit our website (http://depts.washington.edu/hssexec).

**Thursday, 2 November**

1:00 p.m.–5:00 p.m.  
HSS Council Meeting

2:00 p.m.–7:00 p.m.  
Registration

Plenary Session  
5:00 p.m.–7:00 p.m.

**PARTICULARITY AND ITS PROBLEMS**

Heinrich von Staden, *Institute for Advanced Study*

Kathryn Olesko, *Georgetown University*

Robert Kohler, *University of Pennsylvania*

Chair and Commentator: Andrew Warwick, Imperial College

Organizers: Thomas H. Broman, University of Wisconsin-Madison, Lynn K. Nyhart, University of Wisconsin-Madison, and John Harley Warner, Yale University

7:00 p.m.–9:30 p.m.  
Receptions

**Friday, 3 November**

7:30 a.m.–8:00 a.m.  
ISIS Editorial Board Meeting

7:30 a.m.–9:30 a.m.  
Women’s Caucus Breakfast Meeting

8:00 a.m.–5:00 p.m.  
Registration

8:00 a.m.–5:00 p.m.  
Book Exhibit

9:00 a.m.–11:45 a.m.  
*indicate session organizer(s)

**CRAFTING KNOWLEDGE, DEFINING NATION: SCIENCE AND IDENTITY IN CANADIAN HISTORY**

*Edward Jones-Imhoet, Harvard University, Iconography, Identity, and the 'Idea of North'*

Stephen Bocking, *Trent University, Science, Politics, and Perceptions of the Arctic Environment*


**Stephane Castonguay, Cornell University, Naturalizing Federalism: Resource Management and the Centralization of Governmental Research in Canada**

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

**COPING WITH INFORMATION OVERLOAD IN EARLY MODERN NATURAL PHILOSOPHY**

Richard Yeo, *Griffith University, A Solution to the Multitude of Books: Ephraim Chambers’ Cyclopaedia (1728) as “the Best Book in the Universe”*

*Ann Blair, Harvard University, Reading Strategies for Coping with Information Overload*

Brian Ogilvie, *University of Massachusetts Amherst, The Many Books of Nature: How Renaissance Botanists Created and Responded to Information Overload*

Jonathan Sheehan, *Indiana University, From Philology to the Fossil: The Biblical Encyclopaedia in Early Modern Europe*

**Chair and Commentator:** Daniel Rosenberg, University of Oregon

**VOYAGES OF SCIENCE/THE SCIENCE OF VOYAGES**

*Jordan Goodman, University of Manchester Institute of Science and Technology, Mr. Huxley’s Voyage? Making Imperial Space and Knowledge in the mid-19th Century*

Londa Schiebinger, *Max Planck Institute for the History of Science, Gender in the Voyages of Scientific Discovery*

Richard Sorrenson, *Indiana University, From South Col to South Pole: Sir Edmund Hillary and the British Commonwealth Expeditions to Everest and Antarctica in the 1950s*

Janet Browne, *Welcome Institute for the History of Medicine, Scientific Research Expeditions: Scott and the Discovery, 1901–1904*

**Commentator:** Marie-Noelle Bourgouet, University of Paris 7

**Chair:** Rebecca Ullrich, Sandia National Laboratories

**SCIENCE IN TWENTIETH-CENTURY CHINA: THE IMPORTANCE OF PLACE**

Elena Songster, *University of California, San Diego, Forests Stand for Pandas: Scientific Forestry and Nature Reserves in Sichuan, China*

Grace Shen, *Harvard University, Mining the Cave: Global Visions and Local Traditions in the Story of Peking Man*

*Sigrid Schmalzer, University of California, San Diego, Breeding a Modern China: The Making of the Dingxian Pig, 1929–1937*

Brian Greene, *University of California, Los Angeles, Making the Invisible Visible: The Public Health Efforts of W. W. Peter and Tee Han Kee in Early 20th Century China and The Philippines*

**Commentator:** Bridie Andrews, Harvard University

**Chair:** Marta Hanson, University of California, San Diego

**SCIENCE AND CINEMA**

Susan E. Lederer, *Yale University, Celluloid Science: Teaching Science Using Popular Film in the 1930s and 40s*

*Hannah L. Landecker, Max Planck Institute for the History of Science, Microcinema: Time Lapse Cinematography in Biology 1909–1930*

T. Hugh Crawford, *Georgia Institute of Technology, Filming the Event: Technology, Temporality, and the Object of Science*

*Karen A. Rader, Sarah Lawrence College, Teaching “Science and Film”: Visual Representation as a Pedagogical Window on Artistic and Scientific Practice*

**Chair and Commentator:** TBA

**CONTESTED DARWINISMS: LIVES, ORGANISMS, AND SYNTHESIS STORIES**

Robert J. Richards, *The University of Chicago, Why Haeckel Became a Virulent Darwinian*

Sander Gilboff, *The Johns Hopkins University, The Case of Paul Kamerer*

*Patricia Princehouse, Harvard University, Mutant Phoenix: Macroevolution from Germany to the U.S.*

Chris Pires, *University of Wisconsin-Madison, Power of the Unified Narrative: Placing Botany in the Evolutionary Synthesis*

**Chair and Commentator:** Garland Allen, Washington University

**BIOLOGICAL INVASORS, SCIENTIFIC DEFENDERS**

*Entomologists and Exotics, 1776–1968*

*Philip J. Pauly, Rutgers University—New Brunswick, Fighting the Hessian Fly: Ecology and Diplomacy in a Time of Revolution*

George Gale, *University of Missouri, Kansas City, Comprehending the Catastrophe: The Role of Medical Models in the Phyloxera Grapevine Disaster, France 1870–1900*

Sarah Jansen, *Max-Planck-Institute for the History of Science, Arsenic and Candy: The Colorado Beetle in Germany, 1875–1914*

Joshua Buls, *University of Pennsylvania, The Naturalization of the Imported Fire Ants*

**Commentator:** Mark L. Winston, Simon Fraser University

**Chair:** Michael A. Osbourne, University of California, Santa Barbara
Kerri Inglis, University of Hawaii, The Representation and Commodification of Suffering: Kalaupapa National Historical Park

Making Encyclopedias in the History of Sciences: Mechanics, Benefits, Tribulations (A Roundtable Discussion)

Gary B. Ferngren, Oregon State University, The Revolutions of Science in the Age of Reason: From Cartesian Mechanics to Newtonian Physics

Gregory A. Good, West Virginia University, History of Science and Technology in the Age of the Enlightenment: From Newton to Napoleon

Sylvia K. Miller, Routledge/Taylor & Francis Group, The History of Science and Technology in the Age of the Enlightenment: From Newton to Napoleon

Valerie Tomaselli, The Moscovitiss Group Arne Hessenbruch, Dibner Institute

Chair: Helaine Selin, Hampshire College

Teaching Controversial Topics in the History of Science

Committee on Education Workshop

Edward B. Davis, Messiah College, Teaching Science and Religion

David C. Lindberg, University of Wisconsin, Teaching the History of Science and Religion in a Public University: Pitfalls and Opportunities

Susan Lindoe, University of Pennsylvania, Science Students and the Science Wars

Londa Schiebinger, Pennsylvania State University, Approaches to Teaching Gender in Science

Bruce Hunt, University of Texas, Austin, Teaching the History of the Atomic Bomb

Chair: Pamela H. Smith, Pomona College

Saturday, 4 November

8:00 a.m.—9:00 a.m.
Forum for the History of Science in America Coordinating Committee Meeting

8:00 a.m.—2:00 p.m.
Registration

8:00 a.m.—5:00 p.m.
Book Exhibit

9:00 a.m.—11:45 a.m.
*Indicate session organizer(s)

Revolutionary Science

*Theresa Levitt, Harvard University, Regenerated Art and Engineering Drawing: The Jacobin Foundations of the Ecole Polytechnique

Denise Phillips, Harvard University, Citizenship and Science: German Civic Science Societies and the Revolutions of 1830 and 1848

Alexei Kojevnikov, Center for History of Physics, American Institute of Physics, The Great War, the Russian Civil War, and the Invention of Big Science

Cong Cao, University of Oregon, Ideology and Chinese Science

Commentator: Dorinda Outram, University of Rochester

Chair: TBA

Natural Knowledge, Expertise and the Early Modern State

Eric H. Ash, Princeton University, Queen v. Northumberland: Royal Mining Rights and the Dilemma of Expertise

Emily K. Brock, Princeton University, Gardening and Botanists in the Study of Forests in England, 1650–1800

Florence C. Hsia, Wayne State University, Missionaries, Monks, and Mathematiciens du roi in the Ancien Régime

Matthew J. Jones, Harvard University, Calculating Machinery: Pascal and Leibniz on Knowledge and Spectacle in the Early Modern State

Jordan Kellman, Louisiana State University, Jean Moreau de Chazelles and the Birth of Naval Science in 17th-century France

Chair: TBA

From the Ground Up: Insects and Models of Science, Reason and Community

John Clark, University of Canterbury, Kent, History from the Ground Up: Bugs' Political Economy and God in Early Nineteenth-Century Britain

Katharine Anderson, York University, Instincts and Instruments

Alison Winter, California Institute of Technology, Snails, Leeches, Mediums, and Conductors: The Use of Living Things as Instruments in Mid-Nineteenth Century Europe

Charlotte Sleigh, University of California, Los Angeles, Brave New Worlds: Sociological Explanations of the Ants in the 1920s & 1930s

Commentator: Harriet Ritvo, Massachusetts Institute of Technology

Chair: TBA

Maps for Enlightenment: Cartography and Science in the Eighteenth Century

Matthew H. Edney, University of Southern Maine, Mapping Eighteenth-Century Intersections of Scientific and Cartographic Practices

Michael T. Bravo, University of Cambridge, Enlightened Precision in Geography and Anthropology

Michael S. Detelbach, Smith College, Map as Metaphor, Map as Math: The Meanings of Cartography in the Enlightenment

Commentator: D. Graham Burnett, University of Oklahoma

Chair: TBA

Representations and Reality: Iconography and Gendered Careers in Science

Session sponsored by the HSS Women's Caucus

Maura C. Flannery, St. John's University, The Lab Coat: Symbol of Science as a Male Pursuit

Robert Hendrick, St. John's University, Gender Stereotyping in Visual Images of French Science Popularization, 1870–1914

Abena Osseo-Asare, Harvard University, Gender and Workplace in the Gold Coast


Elizabeth Hanson, The Rockefeller University, Women Scientists at the Rockefeller Institute: A Collective Biography

Chair: Amy Slaton, Drexel University

Organized by: Abha Sur, Massachusetts Institute of Technology

Spaces of Health and Illness

Coneney Bolton Valencius, Washington University, Inside, Outside, Valley, Field: Masculinity and Healthy Places in the Antebellum US

Gregg Mitman, University of Oklahoma, Hay Fever Holiday: Health, Leisure, and Place in Gilded Age America

Scott Kirsch, Pennsylvania State University, Harold Knapp and the Ad Hoc Working Group on Radiiodine in the Environment: Contested Spaces

Michelle Murphy, Max Planck Institut für Wissenschaftsgeschichte, Buildings for Bodies: Ordinary Places, Chemical Exposures, and the Politics of (Im)Perceptibility in the Late Twentieth Century U.S.

Chair and Commentator: Christopher C. Sellers, SUNY-Stony Brook

Constructing Cells and Growing Organisms

Topics in the History of Cytology and Developmental Biology I

Francois Duchesneau, University of Montreal, Oscar Herrwig on the Connection between Generation, Heredity, and Cell Physiology

Frederick B. Churchill, Indiana University, Situating a New Science: Boveri and the Embryological Analysis of Chromosomes

Marsha L. Richmond, Wayne State University, Cell Theory on the Eve of Genetics

James Strick, Arizona State University, Cell Symbiosis: Theory from Mereschkovsky to Exobiology


Chair: TBA

Astronomy and Its Histories: A Session in Honor of Owen Gingerich

Robert S. Westman, University of California, San Diego, Kepler's Early Astrological Problematic
Joint Meeting

THE VALUES OF INTERDISCIPLINARITY
Jeremiah James, Harvard University, Disparate Bonds: Ends and Means in Early Quantum Chemistry
Silvan S. Schweber, Brandeis University, Interdisciplinarity, Theory, the Computer and the Physical Sciences.

*Jamie N. Cohen-Cole, Princeton University, The Cognitive Revolution and the Culture of Interdisciplinarity
Timothy Lenoir, Stanford University, Accelerating Discovery: Bioinformatics and Interdisciplinarity
Chair and Commentator: Cathryn L. Carson, University of California, Berkeley

CULTURES OF 20TH-CENTURY ASTRONOMY
Matthew Stanley, Harvard University, Science and the Spiritual Quest: Eddington, Religion and the Roots of Theoretical Astronomy
Keith R. Lafortune, University of Notre Dame, Pickering’s Harem and the New Sociology of Astronomy, 1877–1919
Abha Sur, Massachusetts Institute of Technology, Identity and Ideology in Meghnad Saha’s Physics
David P.D. Munns, Johns Hopkins University, Becoming Astronomy: Why Cosmic Noise became Radio Astronomy
JoAnn Palmeri, Independent Scholar, Sagan and Shapley: The Astronomer as Prophet of Science in the Twentieth Century
Chair: TBA

Friday, 3 November
12:00 p.m.–12:30 p.m.
Forum for the History of Science in America Business Meeting
12:30 p.m.–1:30 p.m.
Distinguished Scientist Lecture: Estella B. Leopold
1:30 p.m.–3:10 p.m.
*indicate session organizer(s)
STATE-SPONSORED SCIENCE DURING THE COLD WAR
Konstantin V. Ivanov, Moscow Institute for the History of Science and Technology, Science after Stalin: Forging a New Image of Soviet Science
Audra J. Wolfe, University of Pennsylvania, Protecting Turfs (Literally): Negotiating the Meaning of Exobiology at the Dawn of the Space Age
Ulf von Rauchhaupt, Max-Planck-Institute for the History of Science, Colorful Clouds: West Germany’s First Steps into Experimental Space Science in the Early 1960s
Chair: TBA

EXPANDING CONCEPTIONS OF THE SCIENTIFIC REVOLUTION
Maurice A. Finocchiaro, University of Nevada, Las Vegas, Giordano Bruno, 1600–2000
David N. Harley, University of Notre Dame, “The Scientific Revolution”: Boxing for England?
Eric J. Palmer, Allegheny College, A Philosophical Education Program: Descartes selon l’ordre des recitations
Jongtae Lim, Harvard-Yenching Institute, Taming the Spherical Earth and “Globalizing” the Traditional Cosmology in the Late Choson Dynasty Korea
Chair: TBA

SCIENCE, CULTURE AND WELTANSCHAUNG IN INTERWAR EUROPE
Cristina Chimisso, Open University, Helene Metzger: The History of Science between the History of Mentalities and Total History
Sofie Lachapelle, University of Notre Dame, Materializing Authority: The 1922 Psychical Experiments at the Sorbonne
Susan M. Lanzoni, Harvard University, On the Common Ground of Experience: Ludwig Binswanger’s Phenomenological Psychopathology
Deborah R. Coen, Harvard University, Taking Nature’s Pulse: The Place of the Organic in Austrian Physics
Chair: TBA

18TH AND 19TH-CENTURY GERMAN PHYSIOLOGY AND PHILOSOPHY
Kevin Chang, The University of Chicago, Architecture of Matter: Mechanism in Georg Ernst Stahl’s Vitalistic Medicine
Monica Libell, Dept. of History of Science and Ideas, Lund, Sweden, Physiology, Civilization and the Pain of Vivisection
Nancy A. Anderson, University of Michigan, One Complex Amoeba: Image, Imagination, Cell Theory and the Bioplasm Doctrine
Daniel Gasman, City University of New York, Haeckel’s Monism and the Transformation of Marxism
Chair: TBA

PSYCHOLOGY AND SOCIETY IN MID-20TH CENTURY AMERICA
John Carson, University of Michigan, Peace Work: Intelligence, Merit, and the Limits of Democracy
Sarah E. Igo, Princeton University, Arguing with Gallup: Popular Challenges to Scientific Polling, 1936–1948
Wade E. Pickren, American Psychological Association, Life and the “Age of Psychology”: The Public Image of Psychology in the 1950s
Nathan L. Ensmenger, University of Pennsylvania, Chess Players, Music Lovers, and Mathematicians: Towards a Psychological Profile of the Ideal Computer Scientist
Chair: TBA

GROWING AND KNOWING: SCIENCE, STANDARDIZATION, AND AMERICAN YOUTH
Margaret A. Lowe, Bridgewater State College, Gaining in Every Way: Female Students and the College Physical, 1870–1900
Elizabeth A. Toon, University of Pennsylvania, Measuring Up: Schoolchildren and Representations of Physical Growth in the Interwar United States
Commentator and Chair: *Heather Munro-Prescott, Central Connecticut State University

READERS, WRITERS, AND AUDIENCES, 1500–1900
Richard D. Cunningham, Pennsylvania State University, Moveable Visual Images and Active Reading Practices in the Education of Sixteenth-Century English Navigators
Nicole C. Howard, Indiana University, The King, the Courtier and the Clockmaker: Christian Huygens and Interpretations of Audience
Ellen J. Valle, University of Turku, Finland, From Sloane to Owen: Epistolary Episodes in the Construction of Natural History
Aileen Fyfe, University of Cambridge, Industrialised Conversion: Publishing popular science and religion in Victorian Britain
Chair: TBA

REDEFINING PHYSICS: SCIENCE, CULTURE, AND POLITICS IN 20TH CENTURY EAST ASIA
*Kenji Ito, Harvard University, “Culture of Calculating”: Theory and Practice of Theoretical Physics in the 1920s Japan
Dong-Won Kim, Korea Advanced Institute of Science & Technology, Why Physics? The Conflicting Role and Image of Physics in South Korea
Danian Hu, Yale University, The “Great Proletarian Scientific Revolution”: Einstein and his Relativity during China’s Cultural Revolution
Commentator: James R. Bartholomew, Ohio State University
Chair: Martin J. Klein, Yale University
EXPLORING THE EARTH: CONCEPTUAL AND ECONOMIC INFRASTRUCTURES, 1650–1900

Andre Wakefield, Dibner Institute for the History of Science and Technology, Science and Silver in the Mines of Central Europe, 1650–1850

Alexey V. Kuprijanov, The S.I. Vavilov Institute for the History of Science and Technology, Natural History in Russia before the 1860s: Conceptual and Institutional Developments

Brian C. Shipley, Dalhousie University, "My fact, therefore, I now consider established beyond controversy": William E. Logan, the Origin of Coal Debate, and the Writing of the History of Geology

Steven W. Rusk, University of Notre Dame, Private Science, Public Imagination, and the Ambitions of Empire: Perceptions of John Herschel's Cape Voyage, 1833–1838

Chair: TBA

Friday, 3 November

3:30 p.m.–5:30 p.m.

*indicate session organizer(s)

NATURE'S EMPIRES: MUSEUMS AND THE CULTIVATION OF KNOWLEDGE IN THE PACIFIC

Part I—Exploring Meanings

Introduction: Roy MacLeod and Fritz Rehbock, Viewing the Pacific through European Eyes: Constructing Meanings and Memories

Sujit Sivasundaram, Chris's College, University of Cambridge, Objects of this World: Missionaries, Museums and the South Pacific

Richard W. Burkhardt, Jr., University of Illinois at Urbana-Champaign, The School for Naturalist-Voyagers

Jim Endersby, University of Cambridge, "From Having No Herbarium": Local Knowledge vs. Metropolis Expertise: Joseph Hooker's Australasian Correspondence with William Colenso and Ronald Gunn

Janet Garber, Independent Scholar, Jane Franklin and the Natural History Museum Idea in Tasmania

PROSPECTS FOR A HISTORY OF SOCIAL SCIENCES

Dorothy Ross, Johns Hopkins University, The Social Science Disciplines in Europe and the U.S.: Enlarging the Historical Lens

*Theodore M. Porter, University of California, Los Angeles, A CIVILIZING SCIENCE: THE POLITICAL CULTURE OF PUBLIC HEALTH IN 19TH-CENTURY FRANCE

"Ann F. La Berge, Virginia Polytechnic Institute and State University, Dirty Stories: Investigative Reporting as Scientific Practice on the 19th-Century French Health Councils

David Barnes, Harvard University, Street-Level Etiologies: The Political and Cultural Stakes of "Local Knowledge" in French Public Health, 1880–1900

Cherilyn Lacy, Hartwick College, Science Marches across the Threshold: From Public Health to Domestic Hygiene in Nineteenth-Century France

Chair and Commentator: Martha Hildreth, University of Nevada, Reno

AUTHORSHIP, ORIGINALITY, PIRACY: HISTORIES OF INTELLECTUAL PROPERTY

Mario Biagioli, Harvard University, Inventions, Instruments, and Discoveries: Priority and 'Intellectual Property' in Galileo's Venice

"Ken Alder, Northwestern University, "PASCAL DEFEATS NEWTON!" Or, Originality and Verisimilitude in History and Science

Adrian Johns, University of California, San Diego, What We Can Learn from the History of Piracy

Chair and Commentator: Lorraine Daston, Max Planck Institute for the History of Science

SCIENCE AND NATIONAL POLITICS IN TWENTIETH-CENTURY YUGOSLAVIA

Ljubinka Trgovec, Historical Institute, Belgrade, Science of Borders: The Uses of Jovan Cvijic's eography at the Paris Peace Conference 1919–20

"Vladimir Jankovic, University of Manchester, Fear and Medical Politics of the 1999 Solar Eclipse in Serbia


Commentator: Gale Stokes, Rice University

Chair: Ron Doel, Oregon State University

POLEMICS, PHILOSOPHY, AND EXPERIMENT IN CHEMISTRY

William Newman, Indiana University, The Fire-Analysis Debate Before Boyle and Van Helmont

Bruce T. Moran, University of Nevada-Reno, Libavias, Polemics & Alchemy: The Transmutation of Emotion and Rationality

*Alice Stroup, Bard College, Duclos on Boyle: A French Academician Criticizes "Certain Physiological Essays"

Chair and Commentator: Lawrence M. Princep, Johns Hopkins University

PROGRESSIVE SCIENCES AND TECHNOLOGY: THE ROLE OF SCIENTISTS AND ENGINEERS IN THE AMERICAN PROGRESSIVE MOVEMENT

*Christian G. Young, Mount Angel Seminary, American Wildlife Organizations in the Progressive Era

*Mark A. Largent, Oregon State University, Biological Justifications for Progressive Reform

Jennifer K. Alexander, University of Minnesota, Engineers, Charlatans, and Progressive Efficiency

Chair and Commentator: Barbara A. Kimmelman, Philadelphia University

MUSIC AND SCIENCE IN CULTURAL CONTEXT

Anna Sofie Christiansen, University of Copenhagen, Hermann Scherchen's Gravesense Project: Cultural Globalization through Scientific Verification of Western Art Music

*Charles M. Brotman, University of Rochester, Helmholtzian Acoustics in a Darwinian Key: James Sully, Edmund Gurney, and the Psychology of Music in Victorian Culture

Brandon Konova, University of British Columbia, Music and the Book of Nature: Pythagorean Tradition and Empirical Mathematics in the Discourses of Vincenzo Galilei

Chair and Commentator: TBA

VICTORIAN CRISIS OF OBJECTIVITY: THE REVOLT AGAINST SCIENTIFIC COMPLETENESS

Joan L. Richards, Brown University, Sophia and Augustus DeMorgan's Faith of Mind

*Paul J. Croce, Stony Brook University, William James on the Healing Arts

Frederick Gregory, University of Florida, Continental Critiques of Scientific Objectivity

Commentator: Jon Roberts, University of Wisconsin, Stevens Point

Chair: TBA

Friday, 3 November

5:30 p.m.–7:30 p.m.

Reception

7:30 p.m.–9:00 p.m.

*indicate session organizer(s)

NATURE'S EMPIRES: MUSEUMS AND THE CULTIVATION OF KNOWLEDGE IN THE PACIFIC

Part II—Creating Memories

John Barker, University of British Columbia, Dangereous Artifacts: A Case Study in Local and Global Negotiations of the Meaning of Indigenous Objects

Alexia Bloch, University of British Columbia, Crisis or Crossroads?: Museums in the Russian Far East Reinterpreting State Narratives

Chair: TBA
FORGING ALCHEMICAL IDENTITIES: STRATEGIES FOR LEGITIMATING AUTHORITY IN EARLY MODERN ALCHEMY

Tara E. Nunmedal, Stanford University, Gender, Authority and the Alchemical Career of Anna Maria Zieglerin

Hereward Tilton, University of Queensland, Justifying the Magnum Opus: Rosicrucianism and Hermetic Philosophy in the Work of Court Michael Maier

*Margaret D. Garber, University of California, San Diego, Legitimating Magic in Post-Rudolfine Prague: The Role of Light in the Alchemical Philosophies of Marcus Marci von Kronland

Chair and Commentator: Deborah Harkness, University of California, Davis

SCIENCE AND RACE IN THE 20TH CENTURY

Shang-Jen Li, The Welcome Institute for the History of Medicine, Woman and Worm: Gender and Patrick Manson's Parasitological Research

Peder J. Anker, Harvard University/University of Oslo, Holism and Ecological Racism: The History of South African Human Ecology


Lisa H. Weasel, Portland State University, Race and Gender through the Microscope: A Feminist Perspective on Henrietta Lacks and the HeLa Cell Line

Chair: TBA

ANCIENT AND MEDIEVAL NATURAL KNOWLEDGE AND PRACTICES

Karin Tybjerg, University of Cambridge, Wonder Making and the Rhetoric of Wonder in Hero of Alexandria

Gerardo V. Aldana, Harvard University, (Re)Construction in Classical Maya Times: Astronomical and Secret Knowledge in Kan Balam’s Maya K.K. Yearl, Yale University, The Time of Bloodletting

Chair: TBA

PHILOSOPHY AND MIND IN THE 18TH AND 19TH CENTURIES

Benjamin W. Redekop, Kettering University, Thomas Reid and the Problem of Induction: From Common Experience to Common Sense

LeeAnn Hansen, California State University Fullerton, Constructing a Public Psychology: Karl Philipp Moritz and the Magazin zur Erfahrungensselendkunde

André R. LeBlanc, CIRST, Université du Québec à Montréal, On Negative Hallucinations and the Origins of the Unconscious

Alan W. Richardson, University of British Columbia, The Insecure Path of a Science: Kant and the Rethinking of Logic in the 19th Century

Chair: TBA

DISPLAYING BIOMEDICAL AUTHORITY IN MODERN ANGLO-AMERICAN CULTURE

Erin H. McLeary, University of Pennsylvania, War Pathologies/ the Pathology of War: Museum Collecting in the First World War

Ock-Joo C. Kim, Harvard University, Knowledge Out of Suffering: Harvey Cushing’s Brain Tumor Registry

Marianne P. Fedunkiw Stevens, Institute for History and Philosophy of Science and Technology, Malaria and 20th Century Medicine: Fighting Disease with Film, 1940–2000

Adèle E. Clarke, University of California, San Francisco, Technoscience and the New Biomedicalization: The American Case, 1890–2000

Chair: TBA

CONSTRUCTING CELLS AND GROWING ORGANISMS

TOPICS IN THE HISTORY OF CYTOLOGY AND DEVELOPMENTAL BIOLOGY II

*Manfred D. Laubichler, Princeton University, From a Developmental Point of View: Theories of Development in the Concept of Theoretical Biology

Jane Maienschein, Arizona State University, On the Organism in Development and Heredity

Michael Dietrich, Dartmouth College, Johannes Holfreter and the Politics of Gastrulation

Sabine Brauckmann, University of Muenster, Chemical Embryology: The Search for the Organizer

Chair: Gerald L. Geison, Princeton University

PHYSICS IN 20TH-CENTURY EUROPE: FROM THE CLASSICAL WORLD TO THE QUANTUM UNIVERSE

Robert G. Arns, University of Vermont, Persistence of Belief in a Mechanical Ether in the Twentieth Century

Theodore Arbatitz, Dibner Institute, M.I.T., & University of Athens, The “Discovery” of the Electron and the Atomism Debate

Scott D. Tanona, Indiana University, Bohr’s Correspondence Principle: Deducing Atomic Structure from Spectral

Frans H. van Lunteren, Utrecht University, Paul Ehrenfest and Dutch Physics in the Interbellum Period

Chair: TBA
Joint Meeting

**THEORY COMES WEST: THE BEGINNINGS OF THEORETICAL ASTROPHYSICS IN WESTERN AMERICA**

David DeVorkin, *National Air and Space Museum, Smithsonian Institution*, Bringing Theory to Mount Wilson in the 1920s

Donald Osterbrock, *University of California, Santa Cruz*, Herman Zanstra, Donald Menzel, and the Zanstra Method of Nebular Astrophysics

"Karl Hufbauer, *University of California, Irvine*, J. Robert Oppenheimer's Path to Black Holes

**Commentator:** Robert Smith, University of Alberta

**Chair:** Peggy Kidwell, National Museum of American History, Smithsonian Institution

Saturday, 3 November

3:30 p.m.–5:30 p.m.

*indicate session organizer(s)

**SCIENCE IN NATIONAL AND TRANSNATIONAL CONTEXTS**


Eckhardt Fuchs, *Max Planck Institute for the History of Science*, The Mechanics of Transnational Science: The Escuela Internacional de Arqueología y Etnología Americanas (EIAEA) and the Scientific Exploration of Pre-Columbian Mexico


**Chair:** Harold J. Cook, University of Wisconsin-Madison

**THE SCIENCE AND SPECTACLE OF MAN: POPULARIZATION AND PROFESSIONAL DEBATES IN AMERICAN ANTHROPOLOGY**

"Kevin J. Francis, *University of Minnesota*, Popularization and the Role of Humans in late Pleistocene Extinctions, 1927–1957

Juliet Burba, *University of Minnesota*, Collecting for the "Science of Man": Expeditions and Expositions in Physical Anthropology


**Commentator:** Henrika Kuklick, University of Pennsylvania

**Chair:** Alison Wylie, Washington University

**BIOLOGY, SEXUALITY, AND MORALITY IN MODERN FRANCE**

Anne C. Vila, *University of Wisconsin*, Sex, Procreation, and the Scholarly Life from Tissot to Balzac

Kathleen Wellman, *Southern Methodist University*, Biology and Sexuality Morality in the French Enlightenment

"Elizabeth A. Williams, *Oklahoma State University*, The Scientific Discourse of Hysteria in Enlightenment France

**Chair and Commentator:** Robert A. Nye, Oregon State University

**MODERN SCIENCE AND THE CLERGY**

John Stenhouse, *University of Otago*, Protestant Missions and Modern Western Science, 1790–1930


**Commentator:** David A. Hollinger, University of California

**Chair:** Mark A. Kalthoff, Hillsdale College

**NORTH SEA PASSAGE: CROSS-CHANNEL SCIENTIFIC CURRENTS, 1780–1850**

Trevor H. Levere, *Institute for the History and Philosophy of Science*, Univ. Toronto, Cosmopolitan Isolates at Home and Abroad: Chemists and Physicians in the 1780s and 1790s

Phillip R. Sloan, *University of Notre Dame*, German Biology Comes to London: The Role of the College of Surgeons, 1814–1840

Petra Werner, *Berlin-Brandenburgisches Akademie der Wissenschaften*, Composing the Picture of Nature, or Alexander von Humboldt's English Correspondents

**Chair and Commentator:** Philip Rehbock, Department of History, University of Hawaii

**AMATEURS OF SCIENCE IN EARLY MODERN EUROPE**

William Eamon, *New Mexico State University*, 'Amateur Science' in the Piazza: The Scientific Underworld of Sixteenth-Century Italy

"Lisa T. Saraohn, *Oregon State University*, Samuel Sorbiere: Amateur and Broker of Science

Mordechai Feingold, *Dibner Institute, Amateurism and Science: A Reevaluation

**Commentator:** Andrea Carlin, Institut Louis-Jeanter d'Histoire de la Medecine

**Chair:** Joella Yoder

**UNCLE SAM IN THE LABORATORY: BIOMEDICAL SCIENCE AND THE FEDERAL GOVERNMENT**


John P. Swann, *Food and Drug Administration*, Institutionalizing Regulatory Science and Research in the FDA

John Parascandola, *Public Health Service*, Science and Sex: The Venereal Disease Education Campaign of the U.S. Public Health Service in World War II

Caroline Hannaway, *National Institutes of Health*, NIH Scientists and International Understanding of the Spread of HIV

**Chair:** Victoria Harden, National Institutes of Health

**MECHANICS AND IMAGERY**

David McGee, *University of Toronto / Max Planck Institute for the History of Science*, William Petty's Double-Bottom

"Wolfgang Lefèvre, *Max Planck Institute for the History of Science*, Drawings in Ancient Treatises on Mechanics

Marcus Popplow, *University of Bremen / Max Planck Institute for the History of Science*, The Role of the Engineer Drawings in the Emergence of Classical Mechanics

**Chair and Commentator:** Bert S. Hall, University of Toronto

**EXHIBITING THE EVANGELIST IN VICTORIAN SCIENCE AND TECHNOLOGY**

Nani N. Clow, *Max Planck Institute for the History of Science*, 'Should We Trust the Expert?': Re-examining the Debates Concerning Scientific Credibility, Expertise, and Method in Late-Victorian Psychical Research

Iwan R. Morus, *Queen's University*, Belfast, Mastering the Invisible: Technologies of the Unseen at the Mid-Victorian Exhibition


**Commentator:** Otto Sibum, Max Planck Institute for the History of Science

**Chair:** Bruce J. Hunt, University of Texas
RESURRECTING PHYSICAL THEORY: APPROACHES TO THEORY CONSTRUCTION, 1700–1970
Mary Terrall, University of California, Los Angeles, Vi Visa Revisited
Mi Gyung Kim, North Carolina State University, Genealogy, Memory, and the Chemical Table
*Michael D. Gordin, Harvard University, A Hierarchy of Sorts: D. I. Mendeleev and the Periodic Table
Chair and Commentator: Norton Wise, Princeton University

PROPRIETARY KNOWLEDGE IN BIOMEDICAL SCIENCE AND INDUSTRY, 1890–PRESENT
Jack Wilson, Washington and Lee University, U.S. Patents on Organisms Prior to Diamond v. Chakrabarty
*Nicolas Rasmussen, Steroids at War: Biomedical Researchers, the Pharmaceutical Industry, and the Hormones of the Adrenal Cortex, 1940–1946
Mark Cortiula, University of New South Wales, The Science of Separation: America’s Contribution to Australia’s Post-War Blood Fractionation Program
Rachel Ankeny, Davis Center for Historical Studies, Princeton University, Public Versus Private Knowledge: The Historical Evolution of Community Standards for Data Sharing in the Human Genome Project
Chair: TBA

METHOD IN THE 19TH-CENTURY PHYSICAL SCIENCES
Sungook Hong, University of Toronto, ’One Faith, One Weight, One Measure’: Language and the History of Units and Standards
Peter J. Ramberg, Max Planck Institute for the History of Science, Making Instruments “Transparent” in Organic Chemistry: The Case of Halogen Addition Reactions
Andrea I. Woody, University of Washington, Brodie’s “Calculus”: A Chemistry with No Future as Window onto the Past
David A. Pantalony, University of Toronto, Bringing Sound Into the Laboratory: The Visual Analysis of Compound Tones
Matthew Doerris, Max Planck Institute für die Geschichte der Wissenschaft und Kunst, Strasbourg, Self-Effacement and Objective Knowledge: Henri-Victor Regnault
Chair: TBA

PUTTING NATURE ON SHOW IN EARLY MODERN EUROPE
Michael John Gorman, Dibner Institute for the History of Science and Technology, Johannes Kepler and the Death of Painting
Janice L. Neri, University of California, Irvine, The Visual Rhetoric of Insect Illustration: Technology and Visuality in the Seventeenth Century
*Nicholas Dew, Cambridge University, The Menagerie of Versailles and the Visualisation of Nature
Simon Werrett, Max Planck Institute for the History of Science, An Odd Sort of Exhibition: Spectacles of Science and the Russian State in the Eighteenth Century
Chair and Commentator: TBA

GALILEO’S OPTICS
Eileen Reeves, Princeton University, Galileo and the Reflecting Telescope: Some Speculation
*Sven Dupre, Ghost University, Galileo, Optics and the Pinelli Circle
Yaakov Zil, University of Haifa, Israel, Beyond the Naked Eye
A. Mark Smith, University of Missouri-Columbia, Galileo’s Telescope: Theoretical Implications
Filippo Cameron, Instituto Universitario di Architettura di Venezia, The Portrait of the Moon: Linear Perspective and the Scientific Representation of the Celestial World
Chair: Albert Van Helden, Rice University

DARWINIAN HERESIES
*Abigail J. Lustig, Max Planck Institute for the History of Science, Natural Atheology and Evolutionary Explanations of the Origins of Religion
Michael Ruse, University of Guelph, How Darwinian is neo-Darwinism?
Steven G. Alter, University of Notre Dame, Unconscious Selection and Darwin’s Distribution Thinking
Robert N. Proctor, Pennsylvania State University, When did Humans become Human? The Impact of Racial Liberalism on the Recognition (and Denial) of Fossil Hominid Diversity 1944–2000
Chair and Commentator: John Beatty, University of Minnesota

**COMPUTER SIMULATIONS AS EVIDENCE, EXPERIMENT, AND ARGUMENT: HISTORICAL AND PHILOSOPHICAL PERSPECTIVES
Evelyn Fox Keller, Massachusetts Institute of Technology, Models and Simulations
*Naomi Oreskes, University of California, San Diego, Computer Models and The Rise of Prediction in the Earth Sciences
Dale Jamieson, Carleton College, Managing Planet Earth: The Rise of Coupled Models and Integrated Assessments
Daniel Haag, University of Hohenheim, Stuttgart, Ecosystem Simulation: Dynamical State Systems vs. Self-Modifying, Historical Systems
*Mary Morgan, London School of Economics and University of Amsterdam, Thought Experiments and the Generation of Economic ‘Evidence’
Chair: *Naomi Oreskes, University of California, San Diego

PSYCHOLOGY, POPULARIZATION, AND THE PUBLIC
Benjamin Harris, University of Wisconsin at Parkside, Tabloid Psychology, 1920–1940: Did Superstition Win?
Leila Zenderland, California State University, Fullerton, Of Mice, Men, and Mercy-Killing: Steinbeck’s Novel and the Euthanasia Debate
Hans Pols, University of New Hampshire, Teaching Adjustment: Undergraduate Psychology Courses in Human Development, 1920–1960
Mark Eddy, University of Oklahoma, Educating the Individual: Competing Visions of the Self and Calls for Educational Reform
Commentator: Kathleen W. Jones, Virginia Polytechnic
Chair: Katharine Pandora, University of Oklahoma
SPECIAL MEMBERSHIP OFFER FOR 2000–2002!

To celebrate the 4th quadrennial meeting of the British Society for the History of Science, the Canadian Society for the History and Philosophy of Science, and the History of Science Society in St Louis, Missouri, USA August 3–6, 2000 a special introductory membership rate is being offered.

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American Memory (http://www.memory.loc.gov) is a project of the National Digital Library Program of the Library of Congress, which, in collaboration with other institutions, is bringing important American historical materials to citizens everywhere. Through American Memory, over seventy multimedia collections of digitized documents, photographs, recorded sound, motion pictures, and text are now available online, free to the public for educational purposes. The Learning Page (http://www.memory.loc.gov/ammem/ndlpedu/index.html) is designed to help teachers, students, and life-long learners use the American Memory digital collections and provides guidance to finding and using items within the primary source collections found in American Memory. It also offers lesson plans, thematic features and activities for learners’ use.

A newly updated and enlarged collection of syllabi on the history of science, primarily physical sciences, can be seen at the homepage of the Center for History of Physics, American Institute of Physics (http://www.aip.org/history/syllabi/).

The Chemical Heritage Foundation’s Arnold and Mabel Beckman Center for the History of Chemistry and Donald F. and Mildred Topp Ohmer Library of Chemical History, and CHF’s work in education and public understanding now have their permanent home at Independence National Historical Park in Philadelphia. A series of events, from June to November 2000, will commemorate the completion of Phases I and II of CHF’s long-range renovation and construction plan. For more information, contact CHF at (215) 925-2222, ext. 301.

Copenhagen
Finn Aaserud, Niels Bohr Archive

Michael Frayn’s play “Copenhagen” continues its remarkable success. After debuting in London (where it is still running) more than two years ago, it has been performed in most major west European countries, as well as in Copenhagen itself and other cities in Scandinavia. In April this year the play reached Broadway, attracting large audiences and receiving high critical acclaim, including three Tony Awards.

Frayn’s well-researched play revolves around the presumed impossibility of the German physicist Werner Heisenberg visiting Nazi-occupied Copenhagen in September 1941 and what Heisenberg and his Danish mentor Niels Bohr said to each other on that occasion. How should we historians of science take this blatant intrusion by drama into our field?

One obvious approach is to criticize it from our own disciplinary perspective. Thomas Powers and Paul Lawrence Rose have recently written extensive reviews of the play from this viewpoint, arriving at entirely opposite conclusions stemming from their respective perceptions of Heisenberg’s stance during World War II (see, respectively, The New York Review of Books: 25 May 2000 and The Chronicle of Higher Education 5 May 2000). The play has also stimulated the implementation of seminars and symposia, which more often than not have been organized by physicists. In the particularly well-attended and well-publicized event at the City University of New York, the majority of the contributors, even in the historical session, were physicists.

As I see it, historians of science ought to capitalize on the opportunities offered by the success of Frayn’s play. This was part of my motivation for organizing a public seminar at the Niels Bohr Archive in November 1999, encouraging debate among dramatists, directors, physicists, and historians of science about how we can enhance each other’s work. A complete transcription of the seminar (which, in addition to Frayn, featured director of the Danish production, Peter Langdal, and historian of science Robert Marc Friedman) will shortly be available at the Niels Bohr Archive’s Web site www.nbi.dk/nba.

This experience has reinforced my conviction that successful dramatization can strengthen the public appreciation of our field and even induce us to write better history. Indeed, the success of “Copenhagen” is only the most obvious manifestation of an increasing public interest in plays based on ideas and events from the history of science (see, e.g., Bruce Weber’s article in the Arts section of the New York Times 2 June 2000). I would encourage colleagues to involve

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themselves as advisers in the various productions of “Copenhagen” as well as in the production and even writing of other relevant plays. These points need to be further debated and clarified, and I am presently seeking funds to follow up the first seminar at the Niels Bohr Archive with a more ambitious and internationally oriented event, when the play reopens in Copenhagen early this fall.

Readers may want to check out the “Did You Know” series of articles (http://www.ucl.ac.uk/sts/hss-ccoe/) authored by Bowdoin Van Riper. These short pieces are written in order to introduce K through 12 educators to the history of science.

Documenting Post-War Activist Science*
Amy Crumpton, AAAS

Over the past twenty years, attempts to document 20th century science and technology have focused on the enormous task of archiving and maintaining records within institutions, such as government agencies, universities, and national laboratories. Documenting the existence and activities of public-interest science organizations and activist groups engaged in science and technology controversies, however, lacks any similar systematic approach for preserving the historic record. Yet active participation by groups and organizations from all ends of the political spectrum in protesting and critiquing science and technology represents an extremely important facet of modern civil societies as well as the history of science and technology.

Concerned that greater attention needs to be paid to collecting records from groups outside the mainstream, a number of historians, archivists, and social studies of science scholars met in February at the headquarters of the American Association for the Advancement of Science to discuss documentation strategies for public interest and activist science and technology. With support from the National Science Foundation’s Science and Technology Studies Program, the meeting brought together Amy Crumpton (archives, AAAS), Elaine Engst (archives, Cornell), Evelyn Hammond (STS, MIT), David Hounshell (history, Carnegie-Mellon), Peter Kuznick (history, American University), Bruce Lewenstein (STS, Cornell), Kelly Moore (sociology, Barnard), and Jessica Wang (history, UCLA). Joe Anderson (archives, Center for History of Physics) was invited and provided comments on the planning committee’s report.

Drawing from their own research experiences, participants in the planning meeting identified a range of issues to consider in documenting the records of activist science. What are the historiographical implications of undertaking an explicit documentation effort over more serendipitous approaches to archiving records? What role did major “establishment” organizations, such as RAND, the National Academy of Science, or AAAS play as either participants or targets of activist activity in the Cold War era? How were changes in scientific disciplines informed by activist issues? How might a documentation project on activist science and technology make links with projects on other social movements, such as civil rights, feminism, the anti-Vietnam war movement, or the anti-nuclear movement? Can definitions of “morality” held by activist science and technology groups be linked to expressions of religious values in public life?

The planning committee argued that “activist” or “public interest” science could be defined in a number of ways. For example, scientists and engineers may overtly take part in political discussions by virtue of their professional standing as experts within a particular field. They may organize themselves into advocacy groups (extra institutional from more mainstream professional societies) around particular social issues or controversies in which science and technology play a role. Or they may use established venues or create new ones within traditional institutions to advocate certain issues and values. Also, grassroots organizations may actively seek scientific and technical expertise and network with these communities to address a range of social and policy controversies. Definitions of activist science cut across intellectual, institutional, and identity boundaries: radical to conservative, confrontation from within a traditional institution to creating new ones, and expert to lay expert to non-expert.

The members of the planning committee agreed that a pilot project should be developed to document materials from organizations engaged in activist science from 1930 to the present. The 1930’s intellectual environment, involved with New Deal policies and programs as well as anti-fascist concerns, provides many of the predecessors, founders, and mentors of newer public interest science organizations after World War II. The planning committee emphasized that a pilot project should focus on identifying organizations and groups that fall outside of more mainstream or elite institutions. Participants also thought it important to define “scientist” and “science” as broadly as possible to encompass the natural sciences, social sciences, public health, and engineering.

The first phase of the pilot documentation project on activist science would begin by searching for names of organizations and individuals as they have emerged from the scientific community and from engagement with the public in science and technology issues. Participants suggested a range of topics, such as race, gender, and environment, that could locate fault lines or areas of tension among segments of the scientific, policy, industrial, and public communities. Searching disparate resources to track location or non-existence of records would be an iterative process with findings from one organization or citation providing leads to other organizations and individuals. This first phase of the project will focus on developing a catalog for materials on activist science that are scattered across the globe. Another possible product would be to create an interactive Web site on activist science to collect information on current issues and resources. A later phase might entail conducting selected oral histories if papers or records for a group are sparse and if founders or members of particular organizations or issues are accessible.

As the planning grant from NSF contained sufficient funding for an initial survey of existing resources, the planning group is engaging in the first steps of the pilot project in summer 2000. The meeting organizers will use the results of the summer project to decide if a larger project is warranted.

Given the dynamic and decentralized nature of some organizations engaged in science and technology activism, particularly more recent ones, the planning committee recognized that there may be researchers who have worked with or who own key collections of primary data and documents. Thus, we invite members of the History of Science Society and interested others to submit suggestions to Amy Crumpton on groups or issues that reflect the range of activist science and provide clues as to where little-known records may be located. A list of topics and organizations that the committee began, as well as a full copy of the planning report, are available from Amy Crumpton at AAAS, 1200 New York Avenue, NW, Room 815; Washington, DC 20005; 202-326-6791; acrumpton@aaas.org.

*This meeting was held with support from the National Science Foundation’s Science and Technology Studies Program, grant SES 0001690. The opinions expressed in this document are those of the author and not the funding agency or the HSS.
The Harvey Project (http://harveyproject.org) is a worldwide collaboration of physiologists, educators and technologists dedicated to building and distributing free, Web-based materials for teaching physiology. The Project is based on the following ideas: worldwide collaboration of faculty within a discipline; adherence to open standards wherever possible; peer review of developed materials for scholarly accuracy, technical soundness, and pedagogical effectiveness; and free distribution of the products to schools and universities. The goal of the Harvey Project is to help faculty create their own world-class courses; it does not seek to create a complete online course, nor to compete with existing course offerings. It is currently looking for collaborators to refine its offering and to expand its educational approach and content.

The National Science Board report, Environmental Science and Engineering for the 21st Century: The Role of the National Science Foundation, is now available. The report presents findings and recommendations developed by the Task Force on the Environment and has been unanimously approved by the National Science Board. The report has been placed on the Web at http://www.nsf.gov/nsb/tfe/nsb0022.htm. To receive a paper copy of the report, send a note to nsbpubs@nsf.gov requesting NSB 00-22.

The National Association of Graduate-Professional Students (NAGPS) is conducting THE NATIONAL DOCTORAL PROGRAM SURVEY (http://survey.nagps.org/), an assessment of educational and professional development practices in doctoral programs in the U.S. and Canada. The survey will compile the experiences of doctoral students, present and past (any time within the last five years) on a department-specific basis to assess which programs are doing a good job of educating and preparing Ph.D.s. The survey is anonymous, free, and takes just 15–20 minutes to complete online, anytime before August 1, 2000. Results will be made publicly available on the Internet in Fall, 2000 for those programs with a sufficient response rate (generally, 10–20 responses). This is an important opportunity to give feedback to the academic community on ways to improve the education and training of Ph.D.s.

OSIRIS: CALL FOR PROPOSALS

The Osiris Advisory Board will consider proposals for Volume 19, to appear in 2004, at the Society's annual meeting in November 2000. Volumes in progress or to appear shortly include: historical commemorations and memory; science and colonialism; and science and religion.

Proposals for broad themes that integrate issues in the history of science into topics of "mainstream" history are especially encouraged, as are contributors from the historical discipline at large. Volume 17, to appear in 2002, will be on science and civil society and will be guest edited by Lynn Nyhart and Thomas Broman of the University of Wisconsin. Volume 18, to appear in 2003, will be on science and the city and will be edited by Jens Lachmund, Andrew Mendelsohn, and Sven Dierig at the Max Planck Institute for the History of Science in Berlin.

Prospective guest editors should submit the following materials for consideration: (1) a proposal of approximately 2000 words describing the topic and its relationship to the literature to date including, where appropriate, the literature in mainstream history; (2) a list of 10–12 contributors with the theme, topic, or title of contribution; and (3) publication c.v.s of guest editor(s). Guest editors and their contributors should be prepared to conform to the Osiris publication schedule. Volume 19 (2004) will go to press—after refereeing, author’s revisions, and copy editing—in the fall of 2003. Guest editors must therefore choose contributors who are able to submit their essays by the late fall of 2002. Proposals are reviewed by the Osiris Advisory Board at the Society’s annual meeting. Announcement of the next volume of Osiris is made around the New Year. Proposals and all supporting materials should be sent by October 1, 2000 to: Kathryn M. Olesko, Osiris Associate Editor; Department of History, Georgetown University, Washington, DC 20057-1035. Preliminary inquiries should be made to Kathy Olesko at: oleskot@georgetown.edu.

Research Resumes at the Bakken Library and Museum

The Bakken's recent expansion and renovation project has resulted in improvements that have significantly enhanced library and museum storage, access, and services. Completed in 1999, the $6 million project doubled the total size of the Bakken. Additionally, for the first time, researchers now have direct access to the entire secondary and reference collections.

The focus of the Bakken's collections is the history of electricity and magnetism and their applications in the life sciences and medicine. Related materials include mesmerism and animal magnetism, 19th-century ephemera concerning alternative electromedical therapies, miscellaneous scientists' letters, and trade catalogues. The instruments include electrostatic generators, magneto-electric generators, induction coils, physiological instruments, recording devices, and accessories. The Bakken offers Visiting Research Fellowships for the purpose of facilitating research in its collection of over 11,000 books, journals, manuscripts, and prints, as well as more than 2,000 scientific instruments.

A catalog of books and manuscripts, as well as information on research fellowships may be found on the Bakken's Web site. To receive information about conducting research at the Bakken, contact Elizabeth Ihrig, librarian at, ihrig@thebakken.org. Or you may call 612-926-3878, ext. 227, or send your request, along with your name and mailing address to: Elizabeth Ihrig, The Bakken Library and Museum, 3537 Zenith Avenue South, Minneapolis, MN 55416-4623.

The Seven Pines Symposium

Roger H. Stuewer, University of Minnesota

The Seven Pines Symposium is dedicated to bringing historians, philosophers, and physicists together for several days in a collaborative effort to probe and clarify significant foundational issues in physics, as they have arisen in the past and continue to challenge our understanding today.

The symposium takes its name from Seven Pines Lodge, located near Lewis, Wisconsin, which was built in 1903 as a trout-fishing camp and since 1978 has been on the National Register of Historic Sites. In the past, President Calvin Coolidge and other notables vacationed there. Today, its idyllic setting and superb cuisine make it an ideal location for small informal meetings.

The fourth annual Seven Pines Symposium was held from May 10-14, 2000, on the subject, "Issues in Modern Cosmology." Twenty-three historians, philosophers, and physicists were invited to participate.

Unlike the typical conference, twice as much time is devoted to discussions following the talks than to the talks themselves, and long mid-day breaks permit small groups to assemble at will. As preparation for the talks and discussions, the speakers prepare summarizing statements and selected appropriate background reading materials, which are distributed in advance to all of the participants.
Each day the speakers set the stage for the discussions by addressing major historical, philosophical, and current issues in cosmology. In the morning of Thursday, May 11, John D. North (Groningen) and Helge Kråk (Aarhus) spoke on "The Emergence of Cosmology as a Science," the former treating the period to the end of the nineteenth century, the latter the twentieth century to the discovery of the microwave background radiation. In the afternoon, P. James E. Peebles (Princeton) spoke on "Late Twentieth-Century Cosmology after the Discovery of the Microwave Background Radiation." In the morning of Friday, May 12, John Earman (Pittsburgh) and Michael S. Turner (Chicago) spoke on "Inflation." In the afternoon, Eran McMullin (Notre Dame) and Neil G. Turok (Cambridge) spoke on "The Anthropic Principle." In the morning of Saturday, May 13, Alexander Vilenkin (Tufts) and William G. Unruh (British Columbia) spoke on "Quantum Cosmology." In the afternoon, James H. Hartle (UC Santa Barbara) and Yuri Balashov (Georgia) spoke on "Laws and Initial Conditions in Cosmology." A closing roundtable discussion on Sunday morning, May 14, was chaired by Roger H. Stuewer (Minnesota).

Lee Gohlike, the founder of the Seven Pines Symposium, has had a life-long interest in the history and philosophy of physics, which he has furthered through graduate studies at the Universities of Minnesota and Chicago. To plan the symposia, which will be held annually, he established an advisory board consisting of Roger H. Stuewer (Minnesota), Chair; Jed Z. Buchwald (MIT), John Earman (Pittsburgh), Geoffrey Hellman (Minnesota), Erwin N. Hiebert (Harvard), Don Howard (Notre Dame), and Alan E. Shapiro (Minnesota). Also participating in the fourth annual Seven Pines Symposium were Michael J. Crowe (Notre Dame), Alan H. Guth (MIT), Michel Janssen (Boston), Jes's Mosterlin (Madrid), John S. Rigden (American Institute of Physics), Christopher J. Smeenk (Pittsburgh), and Robert M. Wald (Chicago).

The fifth annual Seven Pines Symposium will be held from May 30–June 3, 2001, on the subject, "The Quantum Nature of Gravitation, Space, and Time."

UNIVERSITAS is the newsletter of the International Center for the History of Universities and Science (CIS) at the University of Bologna. It is an occasional publication, with at least one issue a year. Its aim is to circulate news of work in progress in the fields of the history of universities and the history of science and technology. UNIVERSITAS is designed to promote the exchange of information between Italian historians and the international community of scholars. It will be sent free of charge to those who are interested. For further information, please contact: CIS, Department of Philosophy, University of Bologna, Via Zamboni 38, 40126 Bologna; Telephone: 39.051.2098358; E-mail: cis@phil.unibo.it; http://www.cis.unibo.it/.

"Writing on Hands: Memory and Knowledge in Early Modern Europe" explores the use and importance of images of the hand in codifying and extending knowledge from the mathematical and musical to the spiritual and astrological in Renaissance Europe. Approximately 82 manuscripts, prints, and books borrowed from numerous institutions will illustrate how, in conjunction with developing print technology, major currents of thought—such as humanism, the Reformation, and the Scientific Revolution—affected representations of the inscribed hand. The time frame of the exhibition spans 1480 through 1700. The exhibit will be located at the Trout Gallery, Dickinson College, Carlisle, PA, 8 Sep 2000 to 25 Nov 2000, and at the Folger Shakespeare Library, Washington, DC, 11 Dec 2000 to 4 Mar 2001.

**Awards, Honors, Appointments**

The New York Academy of Medicine Library named Richard Barney (University of Oklahoma) the winner of the Audrey and William H. Helfand Fellowship in the Medical Humanities. Professor Barney's project is entitled "The Scatological Sublime: Repulsion and Transcendence in Early Modern England."

Carla Bittel (Cornell University) was named the Paul Klemperer Fellow in History of Medicine by the New York Academy of Medicine Library. Ms. Bittel will use her fellowship for research on her dissertation, "Fighting Science with Science: Mary Putnam Jacobi and the Politics of Women's Health."

Peter Dear (Cornell University) received a John Simon Guggenheim Memorial Foundation Fellowship for 2000. His project is "Making sense in science."

Nina Rattner Gelbart (Occidental College, Los Angeles) is the recipient of the second Annibel Jenkins Biography Prize for her book, "The King's Midwife: A History and Mystery of Madame du Coudray" (University of California Press). The prize is awarded biannually to the author of the best book-length biography of a late seventeenth-century or eighteenth-century subject.

Vyacheslav Gerovitch (Dibner Institute for the History of Science and Technology) received a Short-Term Travel Grant sponsored by the International Research and Exchanges Board (IREX; http://www.irex.org/programs/stg/index.htm). The grant, funded by the National Endowment for the Humanities, allowed Gerovitch to visit Russia to conduct postdoctoral research for the project, "Soviet Cybernetics: A Political and Cultural History, 1955–1964."

Kristine C. Harper, a Ph.D. student in the Program for History of Science in the Department of History at Oregon State University, has won a prestigious fellowship from the American Meteorological Society (AMS). During the academic year 2000–2001, she will hold the AMS Graduate Fellowship in the History of Science and will receive an award of $15,000 to further her work. Harper's thesis research examines the development of numerical weather prediction models by Navy scientists from the 1950s through the 1980s. Harper's senior professor is Mary Jo Nye, Horning Professor of the Humanities.

Lillian Hoddeson (University of Illinois, Urbana-Champaign) received a John Simon Guggenheim Memorial Foundation Fellowship for 2000. Her project is "The life and science of John Bardeen."

Frederic L. Holmes, Avalon Professor of the History of Medicine and Chairman of the Section of the History of Medicine, Yale University, was elected to the American Philosophical Society at its Annual General Meeting on April 29, 2000.

Evelyn Fox Keller (MIT) received a John Simon Guggenheim Memorial Foundation Fellowship for 2000. Her project is "Explanation in developmental biology."

Alexei Kojevnikov has accepted the position of Assistant Professor in the History of Science at the University of Georgia, Athens.

Jane Maineschein (Arizona State University) received the ASU Outstanding Professor Award for 1999–2000 while serving the last year of an NSF grant to explore the history and philosophy of developmental biology.
**Jobs**

We invite you to peruse our electronic site for listings of history of science-related job opportunities, fellowships and grants, and prizes available at http://depts.washington.edu/hsexec/. The following announcements have been edited for space. For full descriptions and the latest announcements, please visit our Web site. The Society does not assume responsibility for the accuracy of any item, and potential applicants should verify all details, especially closing dates, with the organization or foundation of interest. For those who wish to publish a job, fellowship/grant, or prize, please send an electronic version of the posting to hsexec@u.washington.edu.

The Division of the Humanities and Social Sciences at the California Institute of Technology is seeking applications for the following full-time research position starting in the fall of 2000: a junior editor, with particularly strong expertise and training in the history of general relativity and unified field theory. The successful candidate will engage in historical research and editorial work designed to annotate and publish the private and professional papers and correspondence of Albert Einstein. Excellent reading knowledge of German and excellent comprehensive English skills are required. Ph.D. must be completed by Sept. 1, 2000. Salary is competitive and includes a comprehensive benefits package. The deadline for applications is August 1, 2000. Interviews may be conducted in person or by telephone. Please send letters of reference, curriculum vitae, a writing sample, and any inquiries to: Dr. Diana Barkan, Caltech 228-77, Pasadena, CA 91125. Caltech is an AA/EOE employer. Women minorities, veterans, and disabled persons are encouraged to apply.

North Central College, a comprehensive college of the liberal arts and sciences located 30 miles west of Chicago, seeks a part-time instructor to teach up to three sections of our general education course in the history/philosophy of science during the 2000–2001 academic year. More information about North Central College may be found at http://www.noc.edu. Applications and inquiries should be directed to Dr. David Horner, Professor of Chemistry and Physics; Chair of the Science Division, North Central College, P.O. Box 3063, Naperville, IL 60566-7063. Phone: (630) 637-5192; Fax: (630) 637-5180. Applications will be accepted until the position is filled. North Central College is an Equal Opportunity Employer.

Princeton University. Position in the history of science, rank open, with preference for historian of the physical sciences. Candidates should have an established record of publication. Send dossier by October 15, 2000, to Philip G. Nord, Chair, History of Science Search Committee, Princeton University, Department of History, 129 Dickinson Hall, Princeton, NJ 08544-1017. AA/EOE.

Stevens Institute of Technology invites applications for an appointment to the Department of Humanities and Social Sciences on the level of associate or full professor. The appointee will be expected to play a role, preferably a leadership role, in the development of a doctoral program in this area of scholarship. Applicants should, accordingly, show evidence of administrative interests and skill along with a record of achievement in an appropriate field of research. A letter of application, a c.v., the names of three references, and a brief statement of the applicant's perspective on developing such a program in a major metropolitan and industrial region should be sent to: Search Committee, Department of Humanities and Social Sciences, Stevens Institute of Technology.
Jobs, Fellowships, Grants and Prizes

Castle Point on Hudson, Hoboken, New Jersey 07030. Stevens Institute of Technology is an Affirmative Action/Equal Opportunity Employer.

The Swiss Federal Institute of Technology Zurich (ETHZ) announces a vacant Professorship of the History of Technology in the Humanities Department (Department für Geistes-, Sozial- und Staatswissenschaften). The holder of this chair will be responsible for teaching the History of Technology to students from all departments of ETH Zurich, and will be expected to pursue individual research projects. In both teaching and research the development of technology should be considered in the appropriate economic, social, and cultural contexts.

Applicants for this position should be holders of a higher degree in History, specializing in the History of Technology since the eighteenth/nineteenth centuries, with a proven research record. We are looking for someone able to stimulate students' interest in interdisciplinary scientific discourse, and willing to take part in collaborative projects between the humanities and social sciences on the one hand, engineering and the natural sciences on the other.

Applications including a curriculum vitae and a list of publications should be submitted to the President of ETH Zurich, Prof. Dr. O. Kübler, ETH Zentrum, CH-8092 Zurich, no later than July 31, 2000. ETHZ specifically encourages female candidates to apply, with a view towards increasing the proportion of female professors.

UW-Madison, Dept. of the History of Science, invites candidates for a tenure-track assistant professorship specializing in the history of the physical sciences since 1800. Appointment to begin August, 2001. Secondary expertise in science and nationalism/internationalism, science outside of Europe and North America, or science and gender would be welcome. We seek candidates eager to participate in an active graduate program, a small but strong undergraduate major, and interdisciplinary general education courses that help fulfill the University's liberal education requirements. Possibilities also exist for involvement in a new science studies program. We will be looking for evidence of outstanding promise in both teaching and research. Send letter of application describing teaching and research interests, curriculum vitae, a writing sample, and three or four letters of recommendation to Professor Lynny Nyhart, Department of the History of Science, University of Wisconsin—Madison, 7143 Social Science Building, 1180 Observatory Drive, Madison, WI 53706-1393. Inquiries may be addressed to Nyhart at lnyhart@facstaff.wisc.edu. Deadline for application 29 Sept. 2000. AA/EOE. Women and minorities are encouraged to apply. Unless confidentiality is requested in writing, information regarding the applicants must be released upon request. Finalists cannot be guaranteed confidentiality.

Grants

The American College of Obstetricians and Gynecologists and Ortho-McNeil Pharmaceutical Corporation jointly sponsor two $5000.00 fellowships in the History of American obstetrics and gynecology each year. ACOG members and other qualified individuals are encouraged to apply. The recipients of the fellowships spend one month in the Washington DC area working full-time to complete their specific historical research project. Applications and further information about the fellowship can be obtained by contacting: The American College of Obstetricians and Gynecologists, Mrs. Susan Kishworth, History Librarian/Archivist, 409 Twelfth Street, SW, Washington, DC 20024-2588; Phone: (202) 863-2578 or (202) 863-2518; Fax: (202) 484-1595; srishwor@acog.org. Application deadline: 1 September 2000. Selection will be made and the recipient notified as soon as possible after the deadline so that the fellowship may begin as early as Winter, 2001.

American Philosophical Society, Research Grants. All information and forms for all of the Society's programs can be downloaded from http://www.amphilsoc.org. Click on "Grants" on the homepage. Grants are for research only. The Society makes no grants for study, travel to conferences, workshops or to consult with other scholars, for permanent equipment, or assistance with publication or translation. Applicants may be residents of the United States, or American citizens resident abroad. Foreign nationals whose research can only be carried out in the United States are eligible. Grants are made to individuals; institutions are not eligible to apply. Specific requirements are given under each listing. If forms cannot be downloaded from the Web site, they may be requested by mail—be sure to include: indication of eligibility for the program; nature of the research (e.g. archival, laboratory, fieldwork, etc.); proposed use of the funds (travel, purchase of microfilm, etc.). Foreign nationals must state the objects of their research, available ONLY in the United States. Questions concerning the eligibility of a project, or the use of funds are accepted at 215-440-3429 for all programs except the Library Resident Research Fellowship (see below). For all programs except the Library Resident Research Fellowship: Committee on Research, American Philosophical Society, 104 South 5th Street, Philadelphia, PA 19106. The e-mail address for grants inquiries is eroach@amphilsoc.org; include a postal address. The programs are as follows:

Franklin Research Grants—Applicants are normally expected to have a doctorate, but applications are accepted from persons whose publications display equivalent scholarly achievement. Grants are rarely made to persons who have held the doctorate for less than one year, and never for pre-doctoral study or research. Proposals may be in all areas of scholarly knowledge except those in which support by government or corporate enterprise is more appropriate. The program does not accept proposals in journalistic writing; for the preparation of textbooks, or teaching aids or the work of creative and performing artists. Maximum award: $60000 for 1 year or $12,000 for 2 years. Deadline: October 1; decisions reached in late January.

Slater Fellowship in the History of Modern Physical Sciences—Candidates must have passed all qualifying examinations for the doctorate. Foreign nationals must expect to spend the year in association with an American university or research institution. Targets doctoral dissertations in the history of physical sciences in the twentieth century. Maximum Award: $12,000 for one year only. Deadline: December 1; notification in March.

Vancouver Facts

Population Greater Vancouver: 1.9 million
Incorporated: 1886
Customs Information: 604.666.0545, Public Inquiries Unit, Canada Customs and Excise, 333 Dunsmuir Street, Vancouver
BC V6B 5R4
Coalition of People with Disabilities: 604.875.0188; 604.875.8835 (TDD)
Driving: Before leaving home, U.S. motorists should obtain a "Canadian Non-Resident, Inter-Provincial Motor Vehicle Liability Insurance Card from their insurance company. For road conditions, consult www.th.gov.bc.ca/bchighways.
Library Resident Research Fellowships—Applicants must demonstrate a need to work in the Society's collections for a minimum of one month, and a maximum of three months. Applications are accepted from persons whose normal place of residence is farther away than a 75-mile radius of Philadelphia. Applicants do not need to hold the doctorate. Stipend: $2000 per month. Deadline: March 1; decision by May. Information: written inquiries to Library Resident Research Fellowships, American Philosophical Society Library, 105 South 5th Street, Philadelphia, PA 19106-3386; telephone inquiries to 215-440-3400 (must specify the Library Resident Research Fellowships).

The American Antiquarian Society announces a Mellon Post-Dissertation Fellowship, tenable for a minimum of 12 months 1 June 2001—31 August 2002. Any topic relevant to the Society's library collections and programmatic scope—American history and culture through 1876—is eligible. The Mellon Post-Dissertation Fellow will be selected on the basis of the applicant's scholarly qualifications, the appropriateness of the project to the Society's collections and interests, and, above all, the likelihood that the revised dissertation will make a highly significant book. The fellow is obliged to give first refusal on the resulting manuscript to a new book series published jointly by Cambridge University Press and AAS. The twelve-month stipend for this fellowship is $30,000. The deadline for applications is 15 October 2000. For further information contact the AAS at 185 Salisbury Street, Worcester, MA, 01609. (508) 755-5221.

The Berlin Prize Fellowships for 2001/2002. The American Academy in Berlin invites applications and nominations for its Berlin Prize Fellowships for the 2001/2002 academic year. The Academy is a center for advanced study of the arts, culture, humanities and public affairs and welcomes scholars, artists and professionals who wish to engage in independent study in Berlin for an academic semester or year. The Academy, which opened its doors in September 1998, occupies the Hans Arnhold Center, a historic lakeside villa in the Wannsee district of Berlin. The villa provides residential suites and offices as well as public spaces. Fellows are sought from the fine arts including painting, sculpture, music, film and drama; scholarly disciplines such as art history, history, philosophy, economics, sociology, political science and public policy; as well as from professional fields including architecture, law, business, and journalism. Fellows are encouraged to take up an association with a Berlin institution such as a museum, library, archive, university, government agency, architectural firm, film studio or media organization. Appointments are for citizens or permanent residents of the United States who are typically university faculty members, artists or professionals whether at early, mid-career or senior levels of achievement. Benefits include a stipend of $15,000—$25,000 per semester (depending on one's level of attainment), round trip airfare, housing and partial board at the Hans Arnhold Center. Inquiries and proposals are welcomed throughout the year, although the deadline for application is January 15, 2001. Applicants or those nominating others should submit: a brief statement of the project or activity proposed with a title; a suggested concurrent institutional affiliation in Berlin; a curriculum vitae; a sample or samples of work (not to be returned); and the names of three referees who may be contacted by the selection committee. Specialists on German topics as well as other persons for whom the cultural opportunities or political setting of Berlin offers an advantageous professional venue are encouraged to apply. Applications should be sent to: The American Academy in Berlin, 14 East 66th Street, Suite 604, New York, New York 10022. Tel.: (212) 588 1755, Fax: (212) 588 1758, amacherlin@msn.com.

Mellon Postdoctoral Fellowship in the Humanities, Penn Humanities Forum, University of Pennsylvania. Five Mellon Postdoctoral Fellowships are available for the 2001-2002 academic year for untenured scholars who received or will receive their PhD between December 1992 and December 2000. Research proposals are invited in all areas of humanistic study (except educational curriculum-building and the performing arts) and should relate to Time, the topic for the 2001-2002 academic year of the Penn Humanities Forum. Preference will be given to candidates whose proposals are interdisciplinary, who have not previously used the resources of Penn, and who would particularly benefit from and contribute to its intellectual life. The Fellowship carries an annual stipend of $34,000. Completed applications and supporting materials must be received no later than October 16, 2000. For more information on the topic of Time, and for a complete application form, please see the Forum's Web site http://humanities.sas.upenn.edu, or write to the Penn Humanities Forum, 116 Bennett Hall, University of Pennsylvania, Philadelphia, PA 19109-6273; tel: 215-898-8220.

National Humanities Center. The National Humanities Center offers 40 residential fellowships for advanced study. Applicants must hold a doctorate or have equivalent scholarly credentials, and a record of publication is expected. Both senior and younger scholars are eligible for fellowships, but the latter should be engaged in research beyond the subject of their doctoral dissertations. Fellowships are normally for the full academic year (September through May). Fellowships are open to scholars from any nation and to humanistically inclined individuals from the natural and social sciences, the arts, the professions, and public life as well as all fields of the humanities. Whereas most of the Center's fellowships are unrestricted, the following designated awards are available for the academic year 2001-02: two or three fellowships for scholarship concerning nature, environmental history, or ecological concerns; a fellowship in art history or visual culture; a fellowship in the twentieth-century biomedical history. Fellowships ranging from $30,000 to $50,000 are individually determined, the amount of a stipend depending upon the needs of the Fellow and upon the Center's ability to meet them. The Center cannot in most instances replace full salaries, and Fellows bring partial funding in the form of sabbatical salaries or grants from other sources. In addition to stipends, the Center provides travel expenses for Fellows and their dependents to and from North Carolina. For application materials, write to Fellowship Program, National Humanities Center, Post Office Box 12256, Research Triangle Park, North Carolina 27709-2256. Applicants submit the Center's forms supported by a curriculum vitae, a 1000-word project proposal, and three letters of recommendation. Applications and letters of recommendation must be postmarked by October 15, 2000. http://www.nhc.rtp.nc.us:8080; e-mail nhc@ga.unc.edu. The National Humanities Center does not discriminate on the basis of race, color, sex, religion, national or ethnic origin, handicap, sexual orientation, or age.

New NSF Funding Opportunities in Science & Technology Studies. As the National Science Foundation continues to channel much support for research and training through new cross-disciplinary initiatives—as opposed to traditional disciplinary based programs, such as the Science & Technology Studies Program (STS)—scholars in all fields have learned that these special initiatives often provide unusually rich opportunities. Two recently announced special competitions seem of great potential interest to those practicing history, philosophy, and social studies of science and technology. The first, "Enhancing Infrastructure for the Social and Behavioral Sciences," was recently announced through a formal Program Announcement issued by the NSF Directorate for Social, Behavioral, and
Economic Sciences (which houses the NSF STS Program). This competition embodies a revision of a competition held late in 1998 and offers support for a wide range of activities, including those that will "collect data from surveys, experiments, or administrative records; case or historical records; or objects of investigation (archaeological items, for example) [in a form] that will support broad-based investigations into the most important scientific questions facing social and behavioral science in the next decade."

Much further information about this competition appears in the formal Program Announcement, most readily available at http://www.nsf.gov/sbe/infra/start.htm. Proposals must be submitted to NSF by August 4, 2000. The second, a solicitation for proposals addressing issues relating to the development of an "Information Technology Workforce," was announced recently through a "Dear Colleague Letter" issued by the NSF Directorate for Computer and Information Science and Engineering. Among other topics, this competition sought proposals that revolved around three basic themes—(1) Environment and Culture; (2) IT Educational Continuum; and (3) IT Workplace—and that addressed research questions related to the under-representation of women and minorities in the IT workforce. Multi-disciplinary collaboration among researchers in all fields was encouraged. The proposal submission deadline was June 22, 2000. The "Dear Colleague Letter" is most readily available at <http://www.nsf.gov/cgi-bin/getpub?nsfb07>. Each of these Web sites provides the names and e-mail addresses of those overseeing these competitions, from whom additional information may be requested. Potential applicants may also contact the NSF STS Program Officer, Michael M. Sokal, at msokal@nsf.gov.

National Science Foundation Graduate Research Fellowships. This NSF program awards stipends to support early graduate study for doctoral students in all areas that the Foundation supports, including history, philosophy, and social studies of science and technology. Applications are accepted from college seniors and first-year graduate students, and awardees receive $16,000 annual stipends for three years. Their universities receive $10,500 annually in lieu of tuition. There has been an alarming drop in the number of science and technology studies science students applying to this prestigious program. Individual awards are made on merit, but the number of awards allotted to each field depends in part on the number of proposals submitted. Only one award was made from this year's small applicant pool in the history and philosophy of science, while in past years, two or three awards have been common. The application process is somewhat akin to applying for any NSF grant (minus budgeting) and is good practice for later professional life; even those whose proposals are not funded benefit from the experience. Students may request copies of the reviews, which show how the application could have been strengthened. Professors who spot promising students capable of being admitted to strong graduate programs should urge these students to apply to the NSF program at the same time they seek other sources of funding. The students may need guidance in preparing a competitive application, and may find it helpful to consult standard guides such as Andrew Friedland and Carol Folt, Writing Successful Science Proposals (Yale University Press, 2000). For more information, write NSF Graduate Research Fellowship Program, Oak Ridge Associated Universities, PO Box 3010, Oak Ridge TN 37831-3010, phone 865-241-4300, Web site http://www.orau.org/nsf/nsfl.htm, email nsgrfp@orau.gov. The deadline for applications is November 1. Although this program does not support advanced graduate study, Doctoral Dissertation Improvement Grants are available from the NSF Science and Technology Studies Program, through which the Foundation channels most of its support for research and teaching in history, philosophy, and social studies of science and technology. For further information, consult the NSF Web site at www.nsf.gov/sbe/infra/sts.

Prizes

The Forum for History of Human Science (an interest group affiliated with the History of Science Society) is pleased to announce a prize competition for best recent dissertation on some aspect of the history of the human sciences. This prize alternates annually in rotation with the forum's prize for best published article. The prize will be $100. The winner will be announced at the annual History of Science Society meeting and in relevant newsletters. Entries are encouraged from authors in any discipline, as long as the work is related to the history of the human sciences, broadly construed. To be eligible, the dissertation must have been defended during the last three years (i.e. 1997–1999, inclusive). Send three copies to the Forum's Corresponding Secretary: David A. Valone, Quinnipiac College, Box 77, 275 Mt. Carmel Ave., Hamden, CT 06518. Entries must be received by 1 August, 2000.

The Institute for Advanced Study, Princeton University, announces its Memberships in the School of Historical Studies for the academic year 2001–2002. The School of Historical Studies supports scholarship in all fields of historical research, but is concerned principally with the history of western and near-eastern civilizations, with particular emphasis upon Greek and Roman civilization, the history of Europe, Islamic culture, and the history of art. In addition to these fields, in the academic year 2001–2002 the Andrew W. Mellon Foundation will support three members in East Asian Studies. Qualified candidates of any nationality are invited to apply for memberships. Approximately forty Members are appointed for either one or two terms each year. The Ph.D. (or equivalent) and substantial publications are required of all candidates at the time of application. Application may be made for one or two terms (Sept. to Dec., Jan. to Apr.). Further information and application materials may be obtained from the Administrative Officer, School of Historical Studies, Institute for Advanced Study, Princeton, New Jersey, 08540 (e-mail address: mzelazny@ias.edu). Completed applications must be returned to the Administrative Officer by 15 November 2000.

ASEH Prizes 2001 for Best Book, Dissertation, and Articles in Environmental History. ASEH seeks nominations for the best book, dissertation, and article in environmental history published during the year 2000. Please send three copies of each submission to Lisa Migetto, c/o HRA, 119 Pine Street, Suite 207, Seattle, WA 98101. E-mail address: mighetto@hrassoc.com. The deadline is 3 November 2000, and proofs will be accepted for books, articles, and dissertations that appear by 31 December 2000. No anthologies or edited volumes, please.

The International League of Antiquarian Booksellers (ILAB) announces a call for entries for its Thirteenth Prize for Bibliography. The prize, given every four years, awards $10,000 (US) to the author of the best published or unpublished scholarly bibliography or work pertaining to book history, typography, or works of general interest relating to these subjects. Entries are welcome from all countries. The work must be in a universally used language. If already published, the work is eligible only if published from 1997 through 2000 or if it has an imprint date falling within these four years. Specialized catalogues of one or more books intended for sale, periodicals, and public library catalogues are not allowed; however, catalogues of private libraries are permitted. Work published in electronic format or CD-ROMs are...
not eligible. The deadline is 31 December 2000. For more information, contact Roland Foter at H.P. Kraus Inc., 16 East 46th Street, New York, NY, 10017; (212) 687-4808; fax (212) 983-4790; e-mail: hpkraus@worldnet.att.net.

The Society for the Social History of Medicine (SSHM) invites submissions for its two Millennium Prize Essay Competitions. These prizes will be awarded to the best original, unpublished essays in the social history of medicine submitted to each competition as judged by the SSHM’s assessment panel. The millennium-essay competition is open to post-doctoral scholars and faculty who obtained their Ph.D. or equivalent qualification after 31 December 1994. The student millennium essay competition is open to students in full or part-time education. Each prize winner will be awarded 300.00 pounds, and his or her entry may also be published in the journal, Social History of Medicine. Further details and entry forms can be downloaded from the SSHM’s Web site http://www.lrz-muenchen.de/~sshm/prize.htm Alternatively, please contact the membership secretary: David Cantor, Department of History and Economic History, Manchester Metropolitan University, Geoffrey Manton Building, Rosamond Street West, Manchester M15 6LL, England. d.cantor@mmu.ac.uk or dcanstor@fs4.ma.man.ac.uk. The deadline for entries is 31 December 2000.

The Department of History at the University of Kansas announces the 2001 competition for The Jerry Stannard Memorial Award. The award is intended to encourage research by young scholars in the field of the history of materia medica, medicinal botany, pharmacy, and folklore or drug therapy before the 1700s. The competition is open to graduate students and to recent recipients of a doctoral degree (or its equivalent) conferred not more than three years before the competition deadline. Manuscripts must be in English, French, or German. Each manuscript should be typewritten, double-spaced, and not longer than 50 pages. Each paper must be accompanied by a one-page abstract, in English; a current curriculum vitae; and a letter of recommendation from an established scholar in the field. Entries must be received no later than 15 February 2001. Manuscripts and correspondence should be addressed to: The Stannard Award Committee, ATTN: Professor Thomas J. Lewin, Dept. of History, Wescoe Hall 3001, The University of Kansas, Lawrence, KS 66045-2130.

Future Meetings

We invite you to peruse our Web site for listings of history-of-science-related meeting announcements and calls for papers. The following announcements have been edited for space. For a full description consult the HSS Web site at http://deptswashington.edu/hssexec. Electronic listings of meetings are updated every Friday morning. For those who wish to publish a future meeting announcement or call for papers, please send an electronic version of the posting to us via e-mail at hssexec@u.washington.edu. The Society does not assume responsibility for the accuracy of any items, and interested persons should verify all details, especially deadlines, with the appropriate contact person.


SSHM Annual Conference: Medicine—Magic—Religion, 17-18 July 2000, Southampton. Contact for registration details: Dr. Waltraud Ernst, Department of History, University of Southampton, Southampton SO17 1BJ; WER@solon.ac.uk.

Mid-Atlantic Conference (MAC) on the History of Science, Medicine, and Technology, 28-30 July 2000, Carnegie Mellon University, Pittsburgh, PA. The deadline for abstracts was 14 May 2000. For further information, contact giffs@andrew.cmu.edu or, by regular mail, Gerard Fitzgerald, 240 Baker Hall, Department of History, Carnegie Mellon University, Pittsburgh, PA 15213.1. http://eserver.org/MAC2000.

ICES History Symposium: 100 Years of Science under ICES, 1-3 August 2000, Helsinki, Finland. For more information contact the Symposium Convener: Dr. Emory D. Anderson, NOAA/NMFS, Northeast Fisheries Science Center, Woods Hole, MA 02543, USA, Tel: +1 508 495 2317; Fax: +1 508 495 2393, emory.anderson@noaa.gov.


Conference on the History of Geologic Pioneers, 3-5 August 2000, Troy, NY. For more information contact Dr. Gerald M. Friedman, Rensselaer Center of Applied Geology, c/o Brooklyn College of the City University of New York, Brooklyn, New York) 15 Third Street, P.O. Box 746, Troy, NY 12181-0746, gmfriedman@juno.com, Fax: 518-273-3249.

International Congress of Historical Sciences, 6-13 August 2000, Oslo, Norway. Please send information requests to: The 19th International Congress of Historical Sciences, Department of History, P.O. Box 1008, Blindern, N-0315 Oslo, Norway.


The Open Book and Scholarship, 16-19 August 2000, Redeemer College, Ontario, Canada. For more information contact: Elisabeth Di Francesco, Organizing Committee, Redeemer College, 777 Garner Rd. E., Ancaster, ON, Canada, L9K 1J4 (905)648-2131 x4414 edifran@redeemer.on.ca; Fax: (905)648-2134.


Göttingen and the Development of the Natural Sciences: Perspectives on Place and the Professoriate, 23-26 November 2000, Göttingen, Germany. For more information contact: Nicolaas Rupke, Institut für Wissenschaftsgeschichte, Humboldtallee 11, D-37073 Göttingen, Germany. nrupke@gwdg.de.
Future Meetings


37th International Congress on the History of Medicine, 10–15 September 2000, Galveston, Texas. For more information visit: http://library.utmb.edu/ishm/.

48/EAST Meeting, 27–30 September 2000, University of Vienna, Austria. For more information see http://www.univie.ac.at/wissenschaftstheorie/.

Bonds between Women and Water, 28–30 September 2000, Duluth, MN. For more information: http://www.d.umn.edu/women_water/or contact wmn_wtr@d.umn.edu.

The 25th annual Great Lakes History Conference, 5–6 October 2000, Grand Rapids, MI. Please address all inquiries and abstracts (deadline 1 May 2000) to Dr. Carolyn Shapiro-Shapin, Department of History, Grand Valley State University, Allendale, MI 49401. ShapiroC@gvsu.edu. Fax: 616-895-3285. Tel: (616) 895-3445.

Writing the Past, Claiming the Future: Women and Gender in Science, Medicine, and Technology, 12–15 October 2000, St. Louis University. For more information contact Charlotte G. Borst, Chair, Local Arrangements Committee, Department of History, Saint Louis University, 3800 Lindell Blvd., St. Louis, MO 63156. Conference materials will be available after August 1, 2000.

One Hundred Years of the Quantum: From Max Planck to Entanglement, 29–30 October 2000, University of Puget Sound, Tacoma, WA. Deadline for registration: September 1, 2000. For details about the program, registration and lodging contact Prof. Alan Thorndike, Dept. of Physics, University of Puget Sound, Tacoma, WA 98416. (253) 879-3817. thorndike@ups.edu.

History of Science Society, 2–5 November 2000, Vancouver, B.C. For more information visit: http://depts.washington.edu/hssexec/annual.

Sixteenth Century Studies Conference, 2–5 November 2000, Cleveland, OH. For more information contact: Gerhild Scholz Williams, Department of German, Box 1104, Washington University, St. Louis, Mo. 63130. Tel: 314-935-5151; Fax: 314-935-5188; gerhild_williams@aismail.wustl.edu.

The Foundations of Quantum Physics before 1935, 14–16 December 2000, Berlin. Please send a short abstract (maximum one page) of your proposed paper or request information before June 30, 2000 from the secretary of the Program Committee: Dieter Hoffmann, Max-Planck-Institut für Wissenschaftsgeschichte, Wilhelmstrasse 44, 10117, Berlin; e-mail: dh@mpiwg-berlin.mpg.de.

AVISTA is the Association Villard de Honnecourt for the Interdisciplinary Study of Medieval Technology, Science, and Art (www.avista.org). Call for Papers. AVISTA sessions at the International Medieval Studies Congress, Kalamazoo 2001, "The Medieval Hospital and Medical Practice: Bridging the Evidence, Interdisciplinary Approaches to the Medieval Hospital and Medical Practice." Seeking proposals for 20–25 minute presentations touching on all aspects of research concerning the medieval hospital and medical practice. Topics may include, but are not limited to the following: 1. Hospital, site and structure: Setting, furnishings, art, architecture, archaeological evidence; 2. Image and object, sources for studying the medieval hospital and medical practice; 3. Hospital foundation and regulation: Monastic, municipal, church involvement; Charters, regulations, patronage, customs; 4. Military connections: Hospitalers, Order of St. Anthony; Field hospital and battlefield surgery; 5. Disease, epidemiology, plague, leprosy; 6. The practice of medicine, practical and theoretical: Remedies, cures, regimen, diagnosis, prognosis, surgery and surgical instruments; 7. Reconstructing medieval medical practice: Presentations by scholars of research involving practical experiments with medieval medical treatment, herbs, remedies, botanicals, alchemy, and/or presentations of parallel cases in modern medical use of leeches, phlebotomy, or other treatments with medieval origins serving to inform historical research. Abstracts for proposals should be sent to Barbara S. Bowers, The Ohio State University, Jones Twr. 455, 101 Curl Dr., Columbus Ohio, 43210. 614-688-9556. Email: bbowers@osu.edu. Deadline: September 15, 2000.

Symposium International Galileo 2001, February 2001, Tenerife, Spain. For more information contact The Fundación Canaria Orotava de Historia de la Ciencia, C/ Calvario n 17, 383000 La Orotava, Tenerife. Tel: 922322761 Fax: 922322513, E-mail: s_orotava@tmedst.es.

Savannah River Plant Conference, 23–24 March 2001, Aiken and Augusta. Prospective participants are invited to send a brief abstract of their proposals to Eric Emerson, South Carolina Historical Society, Charleston, SC 29401. Fax: (843)723-8584; Tel: (843)723-3225; emersonocce@msn.com. The deadline is 31 May 2000.

Hamburg, Germany, IXth convention of the History of Physics branch of the German Physical Society (Fachverband Physikgeschichte der Deutschen Physikalischen Gesellschaft), 26–28 March 2001. Depictions, Illustrations, and Diagrams in the History of Physics. Main conference language will be German, but talks in English are also welcome. Please send talk notices, with a one-page abstract or inquiries about the conference (also by those interested in attending), along with full name and address (including e-mail or fax no.) to: Dr. Klaus Hentschel, Institute for History of Science, University of Göttingen, Humboldtallee 11, Göttingen D-37073, GERMANY. Email: khenstc@gwdg.de. Deadline: 15 October 2000.

Making Environmental History Relevant in the 21st Century, First Joint Meeting of the American Society for Environmental History (ASEH) and the Forest History Society (FHS), 28 March–1 April 2001, Durham, NC. For more information, (proposals due 1 August 2000) contact members of the program committee: Dale Goble, University of Idaho College of Law, gobled@uidaho.edu or Paul Hirt, Washington State University, forrest@mail.wsu.edu.

American Association of the History of Medicine, 18–22 April 2001, Charleston, SC. Please send six copies of a one-page abstract (350 words maximum) to Janet Golden, History Department, Rutgers University, Camden, NJ 08102. Abstracts should not merely state a research question, but describe findings and conclusions. Please also provide the following: Name, preferred mailing address, work and home telephone numbers, current institutional affiliation, and academic degrees. Abstracts must be received by 15 September 2000. E-mail or faxed proposals will not be accepted.


Laboratory History Conference, 19–21 April 2001. The second in a series of conferences on laboratory history will be held at Jefferson Laboratory in Newport News, VA. Please send paper proposals or requests for registration by October 1, 2000 to Catherine Westfall: cwestfall@nscl.msu.edu or 517-347-3286 (fax).

Civility in America Since 1851, 27–28 April 2001, Lassell College. Send paper and session proposals with title and 200 word abstract by 1 November 2000 to Joseph Aiera, III, College of Arts & Sciences, Lassell College, Auburndale, MA 02666. jaieta@lassell.edu.

Health Promotion in Historical Context Conference, 27–28 April 2001. University Of East Anglia, Norwich; Call for Papers. All papers must represent original work not already published or in press. Please send two copies of a one-page abstract (350 words maximum) to Professor Roger Coetter, Wellcome Unit for the History of Medicine, School of History, University of East Anglia, Norwich UK, NR4 7TJ, or email r.coetter@uea.ac.uk. Abstracts should not merely state a research question, but describe findings and conclusions. Please also provide the following: Name, preferred mailing address, work and home telephone numbers, current institutional affiliation, and academic degrees. Abstracts must be received by 15 September 2000.

International Conference—H2O: Origins and History of Hydrology, May 2001, Dijon, France. For further information visit the conference Web site at www.cilea.it/history/DHS/OH2.htm or contact Dr. J.P. Carbonnel at Universitè P. et M. Curie, Laboratoire de Géologie Appliquée, Case 123, 4 Place Jussieu, F-75252 Paris, cedex 05, France; oh2@biogeodis.jussieu.fr.

Maury III: Third Biennial Conference on the History of Oceanography, 20–24 June 2001, Monterey Bay Aquarium Research Institute, Monterey, California. Call for Papers: The working theme for the conference is "The Machine in Neptune’s Garden: Historical Perspectives on Technology and the Marine Environment." Scholars with an interest in the history of modern oceanography (20th century), history of technology and the sea, and history of environmental sciences and the oceans are encouraged to submit abstracts of unpublished research no later than 15 November 2000. Presenters at the conference will be selected no later than 1 December 2000. All presenters will be required to produce a completed manuscript, which will be circulated prior to the meeting. Previous Maury conferences have examined the role of patronage in the history of oceanography, the history of oceanography as an interdisciplinary science, and the history of international cooperation in oceanography. From these previous meetings, several articles have been published either singly or, in the case of Maury II, in two separate journals as special sections. The organizers of Maury III are planning a monograph to be produced from the papers presented. Transportation costs, lodging, and meals will be paid by the conference organizers. For additional information, contact Gary Weir, U.S. Naval Historical Center, 805 Kidder Breeze Street SE, Washington Naval Yard, Washington, DC 20374-5050, (202) 433-9767, e-mail address: weir.gary@nhc.navy.mil; David van Keuren, Naval Research Laboratory, Code 5204, Washington, DC 20373-0001, (202) 767-4263, e-mail address: dvk@ccf.nrl.navy.mil; or Keith R. Benson, College Studies, Box 354330, University of Washington, Seattle, WA 98195, (206) 543-6358, e-mail address: krbenson@u.washington.edu.

Inaugural Symposium of the Commission on History of Meteorology, IUHPS, 8–14 July 2001. "International Perspectives on the History of Meteorology: Science and Cultural Diversity," XXIst International Congress of History of Science, Mexico City. Papers are requested on international aspects of the history of meteorology, broadly construed to include scientific, environmental, social, political and cultural issues. Conference web page: http://www.smhct.org/default.htm Contact: Prof. James R. Fleming, President, Commission on History of Meteorology, STS Program 5881 Mayflower Hill, Colby College, Waterville, ME 04901, USA. E-mail: jrflmlein@colby.edu.

History of Geomagnetics, Solar-Terrestrial Physics and Space Physics and related disciplines, August 2001, Hanoi, Vietnam. For further information contact: Dr. Wilfried Schroder, Hechelstrasse 8, D-28777, Bremen, Germany.

They Taught the World to Fly: The Wright Brothers and the Age of Flight 22–25 October 2001, North Carolina State University, Raleigh, North Carolina. Call for papers. The First Flight Centennial Commission has established five major themes for the symposiums. Session and individual proposals should be submitted to Dr. Larry E. Tise, Symposium Director, First Flight Centennial Commission, 4635 Mail Service Center, Raleigh, NC 27699-4635 no later than 15 October 2000. E-mail inquiries and submissions should be directed to Dr. Tise at lte@ibm.net. Non-program inquiries should be directed to the mailing address above or to phone (919) 733-2003 or fax (919) 715-8959.
The Dibner Institute for the History of Science and Technology invites applications to its two fellowship programs for the academic year 2001-2002: the Senior Fellows program and the Postdoctoral Fellows program. There will be some twenty Fellows at the Institute each term.

The Dibner Institute is an international center for advanced research in the history of science and technology, established in 1992. It draws on the resources of the Burndy Library, a major collection of both primary and secondary material in the history of science and technology, and enjoys the participation in its programs of faculty members and students from the universities that make up the Dibner Institute's consortium: the Massachusetts Institute of Technology, the host institution; Boston University; Brandeis University; and Harvard University.

The Institute's primary mission is to support advanced research in the history of science and technology, across a wide variety of areas and a broad spectrum of topics and methodologies. The Institute favors projects that address events dating back thirty years or more; and, while recognizing that overlap between the history of medicine and the history of biology makes strict distinctions impossible, the Institute generally does not support projects in the history of clinical medicine.

**Senior Fellows Program**

Candidates for Senior Fellowships should have advanced degrees in disciplines relevant to their research and show evidence of substantial scholarly accomplishment and professional experience. Senior fellows may apply for a second fellowship appointment five years after their first successful application.

Scholars may apply to the Senior Fellows program for the Fall (Term 1), the Spring (Term 2) or both. Term 1 extends from August 1 through December 31, with full activities beginning on September 1; Term 2 extends from January 1 through May 31, with full activities beginning on February 1. At the time of application, Term 1 candidates may request an arrival date in August; Term 2 candidates may request an extension into June. The Institute prefers, if possible, that senior fellows apply for a two-term residency.

**Postdoctoral Fellows Program**

Fellowships are awarded to outstanding scholars of diverse countries of origin who have received the Ph.D. or equivalent within the previous five years. Postdoctoral Fellowships run for one year, from September 1 through August 31, and may be extended for a second and final year at the discretion of the Dibner Institute.

**Terms and Conditions**

All Dibner Fellows are expected to reside in the Cambridge/Boston area during the terms of their grants, to participate in the activities of the Dibner Institute community, and to present their current work once during their fellowship appointments.

Fellowships provide office space, support facilities and full privileges at the Burndy Library and at the libraries of consortium universities. Fellows will have access to the entire spectrum of activities that take place at the Dibner Institute, where they will be able to find the resources and appropriate settings to carry on their work.

Funds are available for housing, living expenses and one round-trip fare for international Fellows. Estimates of costs, as well as the average stipend awarded in 2000-2001, are provided with the application forms. The deadline for receipt of applications for 2001-2002 is December 31, 2000. Fellowship recipients will be announced in March, 2001. Please send requests for further information to:

Trudy Kontoff, Program Coordinator
Dibner Institute for the History of Science and Technology
MIT E56-100, 38 Memorial Drive
Cambridge, Massachusetts 02139

Telephone: 617.253.6989 Facsimile: 617.253.9858
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Robert Friedel, Professor in the Department of History at the University of Maryland, is the author of Zipper: an Exploration in Novelty (1994) and, with Paul Israel, of Edison's Electric Light: Biography of an Invention (1986). His most recent article, currently in press, is "A New Metal!" Aluminum in its Nineteenth Century Context," in Aluminium by Design. At the Dibner Institute he plans to complete a work titled "The Culture of Improvement."

Thomas Glick is Professor of History and Director of the Institute of Medieval History at Boston University. His most recent works are Irrigation and Hydraulic Technology: Medieval Spain and its Legacy (1996), with J.M. López Piñeiro, El Megatério de Bru y el Presidente Jefferson (1993), and Einstein in Spain: Relativity and the Recovery of Science (1988). During his year at the Dibner Institute he will continue his project on the Darwinian research activities of Fritz Müller in Brazil in the late nineteenth century.

Arne Kaijser is Professor at the Royal Institute of Technology, Stockholm, Sweden. He is the editor, with P. Blomkvist, of Den konstruerade världen: Stora tekniska system i historiskt perspektiv (1998) and the author of fildirens spår: Den svenska infrastrukturen: historiska utveckling och framtida utmaningar (1994). At the Dibner Institute he will conduct an exploratory study of the linking across borders of large technical systems, primarily in Europe, since the late 19th century.

Nikolai Krementszov is Senior Researcher at the St. Petersburg Branch, the Institute of the History of Science and Technology. This past year he has been Senior Associate Fellow at the Remarque Institute, New York. He is the author of Stalinist Science (1997) and "The Cure: Cancer, Culture, and the Cold War" (in press). His research project at the Dibner Institute is titled "Meeting of Minds: International Scientific Congresses in Stalin's Russia."

Pamela O. Long, an independent scholar, was awarded a National Science Foundation grant, 1998—2000, to examine the subject, "Openness, secrecy, authorship, ownership: Studies in the practical, technical, and knowledge traditions of premodern and early modern Europe." She is the author of a forthcoming book of the same title, to be published by Johns Hopkins University Press. The title of her research project at the Dibner Institute is "Engineering and Exorcism in Counter-Reformation Rome."

Mary Jo Nye is Thomas Hart and Mary Jones Horning Professor of the Humanities and Professor of History, Oregon State University. She is the author of Before Big Science: The Pursuit of Modern Chemistry and Physics, 1800–1940 (1999) and From Chemical Philosophy to Theoretical Chemistry: Dynamics of Matter and Dynamics of Disciplines, 1800–1950 (1993). Professor Nye is currently working on "Scientific Practice and Scientific Politics in Modern Britain: Essays on P.M.S. Blackett (1897–1974)," a project she will continue to develop while at the Dibner Institute.

Shirley A. Roe, Professor of History at the University of Connecticut, is the author, with Renato G. Mazzolini, of the edited collection, Science Against Unbelievers: The Correspondence of Bonnet and Needham, 1760–1780 (1986) and the forthcoming articles, "Radical Nature in the Encyclopédie," for Science, History, and the Social Role of the Man of Knowledge and "Life Sciences" for The Cambridge History of Science, Vol. 4. At the Dibner Institute she will continue her work for a volume, "Radical Biology in the Enlightenment."

David E. Rowe, Professor for the History of Mathematics and Science, Mainz University, wrote, with Karen Parshall, The Emergence of the American Mathematical Research Community, 1876–1900. J.J.

The Dibner Institute has made the following eight Postdoctoral Fellowship appointments:

Tara Abraham is a Ph.D. candidate at the University of Toronto. In 1999, she delivered the following papers: "(Physio)logical Circuits: The Intellectual Origins of the McCulloch-Pitts Neural Networks," History of Science Society Annual Meeting, and "From Plasmagens to Steady States: Cybernetic Metaphors and the Emergence of Genetic Regulation, 1945-1961," Joint Atlantic Seminar in the History of Biology. For her post-doctoral research she plans to pursue further the historical connections between automata theory, the cybernetics movement and biological discourse.

Theodore Arabatzis is a Lecturer in the Department of History and Philosophy of Science at the University of Athens, Greece. He is the author of the forthcoming book, "Electrons and Reality: A Biographical Essay," and the forthcoming articles: "History of Science and Relativism" (in Greek) in Neusis, and "Rethinking Scientific Discovery," in Creativity and Scientific Discovery. As a Postdoctoral Dibner Fellow, he has two interrelated projects: the first, the debate over the "discovery" of the electron and the emergence of atoms and the effect of skepticism on the practices of anti-atomists; and the second, the bases for believing in unobservable entities.

Silvia De Renzi received the Ph.D. from the University of Bologna, Italy and is Rare Book Researcher at the Whipple Library, University of Cambridge, U.K. She is the author of "A Treasury of Wonders. History and Geography of Baroque Science" and "Between the Market and the Academy: Robert S. Whipple (1871-1953) as a Collector of Science Books" in Medicine, Mortality and the Book Trade (1998). Her research project while at the Dibner Institute is titled "Nature and Erudition in 17th Century Rome."

Orna Harari-Eshel received the Ph.D. this past year from The Cohn Institute, Tel Aviv University, Israel. She is the author of the forthcoming article, "Knowledge and Explanation in Aristotle’s Posterior Analytics" in Explanation: Theoretical Approaches and Applications, edited by Hon and Rakover, and the lecture, "Evaluation in Aristotle’s Theory of Knowledge" presented at a Conference in Honor of Professor Michael Strauss (1999). Her research work at the Dibner Institute is titled "The Theoretical Background of Greek Mathematical Practice."

Annette Imhausen is a Ph.D. candidate at Mainz University, Germany. She is the author of articles entitled "Die 'h' Aufgaben der ägyptischen mathematischen Texte und ihre Lösungen" and "Die Mathematisierung von Brot und Bier." At the Dibner Institute she will continue her study titled "Egyptian Mathematical Knowledge in Middle and New Kingdom Administrative Texts."

Paul Lucier is Research Assistant Professor in the Department of Science and Technology Studies, Rensselaer Polytechnic Institute. He wrote the entries, "J. Peter Lesley" and "Benjamin Silliman, Jr." for the forthcoming "The History of Science in the United States: An Encyclopedia." He is the author of the article, "Petroleum: What is it Good For?" American Heritage of Invention and Technology (1991). He will be working on a project titled "A History of Economic Geology, 1880–1940" while at the Dibner Institute.

Elizabeth Paris, Lecturer in the History of Science Department, Harvard University, presented the following lectures in 1999: "The CEA Bypass: An Instrumental Narrative in Particle Physics," at the Joint Atlantic Seminar in the History of Physical Sciences, Washington, DC; and "Lord of the Rings: SLAC, CEA, the AEC, and the Fight to Build the First U.S. Electron-Positron Collider," at the Conference on Laboratory History and Sociology, Brookhaven National Laboratory, Stonybrook. For her work at the Dibner Institute she will continue her research on the development of colliding beam storage rings.


The Dibner Institute has reappointed the following six persons to a second year as Postdoctoral Fellows:

Slava Gerovitch, received his Ph.D. from MIT's Program in Science, Technology and Society Program. He is the author of "Striving for 'Optimal Control': Soviet Cybernetics as a 'Science of Government'" in Cultures of Control (2000). He has also translated into Russian Loren Graham's book, Science in Russia and the Soviet Union. At the Dibner Institute he will complete a book on the history of Soviet cybernetics, based on his dissertation.

Christophe Lecuyer, a recipient of the Ph.D. from Stanford University, is the author of the articles "MIT, Progressive Reform, and "Industrial Service," 1890–1920" and "Instrument Makers and Discipline Builders: The Case of NMR." At the Dibner, he will complete a book manuscript on the history of Silicon Valley.

Massimo Mazzotti, received the Ph.D. from the University of Edinburgh, Scotland. He is the author of articles on the social and cultural history of mathematics. Among them are: "The Geometers of God: Mathematics and Reaction in the Kingdom of Naples," "For Science and for the Pope-King: Writing the History of the Exact Sciences in Nineteenth Century Rome," and "Maria Gaetana Agnesi: The Cultural Meaning of Her Mathematical Work." His research project at the Dibner Institute is titled "Conservative Thought and Scientific Knowledge: A Socio-Historical Perspective."
The Dibner Institute for the History of Science and Technology is pleased to chemical and geological knowledge.

tive and police institutions of central Europe during the 18th and 19th

terstaken in Europe.


The Dibner Institute for the History of Science and Technology is pleased to announce that fellowship awards have been made to four Ph.D. candidates enrolled in programs at two Dibner Institute consortia-member institutions: the Dibner Institute's host institution, the Massachusetts Institute of Technology, and Harvard University. The Dibner Graduate Fellowship program is open to students writing their doctoral dissertations. Selection is based on excellence and scholarly promise, without regard for need.

Kendall Hoyt received her B.A. from Duke University with a double concentration in Biological Psychology and English. She is a Ph.D. candidate in MIT's Program in Science, Technology and Society. The title of her dissertation is "The Role of the Military in the History of Vaccine Innovation."

Susan Lanzoni received the B.A. degree from Wesleyan University, Connecticut and the M.T.S. from Harvard Divinity School. A doctoral candidate in the History of Science Department, Harvard University, she presented the paper, "The Social Roots of Phenomenological Psychiatry," at the Society for the Social Study of Science, October, 1999. Her dissertation is titled "Bridging Phenomenology and Psychopathology: Ludwig Binswanger's Existential Analysis."

Craig Martin, a graduate of Grinnell College, Iowa, is enrolled in the Department of the History of Science, Harvard University. In his doctoral dissertation he is exploring the influence and tradition of Aristotle's Meteorologica and its place within the Aristotelian corpus.

Rena Selya, a student in the Department of the History of Science, Harvard University, received concurrently the B.A. and M.A. degrees magna cum laude from the University of Pennsylvania. The subject of her dissertation is Salvador E. Luria; the title is "Phage, Principles and Passion: The Life of Salvador E. Luria."
Abbate, Janet. *Inventing the Internet* (Inside Technology). 304 pp., illus., figs., tbls., bibl., index. 2nd Printing. Cambridge, Mass.: The MIT Press, 1999. $27.50.

Abbr, Ferdinando; Segala, Marco (Editors). *Segni e Persorii della Modernita: Saggi in onore de Paolo Rossi.* vi + 229 pp., illus. Siena, Italy: Università degli Studi di Siena, 2000. (Paper.)

Abt, Helmut. *Editoft American Association for the Advancement of Science, Blueprints for Reform: Science, Mathematicsa, and Technology Education.* (Project 2061.) viii + 300 pp., illus., figs., app., bibl., index. New York: Oxford University Press, 1998, $17.95 (paper).


Andrews, Richard N.L. *Managing the Environment, Managing Ourselves: A History of American Environmental Policy.* xiv + 463 pp., illus., figs., tbls., bibl., index. New Haven: Yale University Press, 1999, $65 (cloth); $30 (paper).

Ash, Marinell. *Thinking With Both Hands: Sir Daniel Wilson in the Old World and the New.* Edited by Elizabeth Hulse. xvii + 352 pp., illus., figs., app., bibl., index. Toronto: University of Toronto Press, 1999, $50.


Bix, Amy Sue. *Inventing Ourselves Out of a Job?: America's Debate over Technological Unemployment, 1929-1981.* xi + 376 pp., illus., bibl., index. Baltimore: Johns Hopkins University Press, 2000. $45.

Borsay, Anne. *Medicine and Charity in Georgian Bath: A Social History of the General Infirmary, c. 1739-1830.* (The History of Medicine in Context.) xii + 484 pp., illus., tables, apps., bibl., index. Brookfield, Vt.: Ashgate, 1999. $96.95.

Boston, Penelope J. (Editor). *The Case for Mars V.* (Science and Technology Series, 97.) (Proceedings of the fifth Case for Mars Conference, American Astronautical Society, March 26-29 1993, Boulder, Colorado.) xii + 552 pp., illus., figs., tables, apps., indexes. San Diego: Univel, 2000. $80 (cloth); $55 (paper).


Brotóns, Victor Navarro; Fabiani, Vicente L. Salavert; Botey, Victoria Rossello; Roman, Victor Darás. *Bibliographia Physico-Mathematica Hispanica (1475-1900).* (Cuadernos Valencianos de Historia de la Medicina y de la Ciencia, 56.) Volume 1: Libros y folletos, 1475-1600. 374 pp., figs., tables, bibl., indexes. Valencia: Universitat de València, 1999. (Paper.)


Burke, Edmund. *Empire, Liberty, and Reform: Speeches and Letters.* Edited by David Bromwich. vii + 525 pp., bibl., index. New Haven, Conn./Yale University Press, 2000. $35 (cloth); $15 (paper).


Carlino, Andrea. In *A Catalogue of Anatomical Fugitive Sheets, 1538-1687.* (Medical History, Supplement 19.) Translated by Noga Arikha. xvi + 352 pp., frontis., illus., app., bibl., index. London: Wellcome Institute for the History of Medicine, 1999. $50.

Carpenter, Kenneth J. Beriberi, White Rice, and *Vitamin B: A Disease, a Cause, and a Cure.* xiv + 282 pp., illus., figs., tables, apps., bibl., index. Berkeley: University of California Press, 2000. $40.
Harris, Errol E. Apocalypse and Paradigm: Science and Everyday Thinking. 154 pp., bibl., index. Westport, Conn./London: Praeger, 2000. $55.

Harrison, Mark. Climates and Constitutions: Health, Race, Environment and British Imperialism in India, 1600-1850. xv + 263 pp., illus., bibl., index. Oxford/New York: Oxford University Press, 1999. $29.95.


Heilbron, John. Geometry Civilized: History, Culture and Technique. viii + 309 pp., frontis., illus., figs., tables, bibl., index. New York: Oxford University Press, 1998. $65.


Hill, Mary. Gold: The California Story. xii + 306 pp., illus., figs., tables, apps., bibl., index. Berkeley: University of California Press, 1999. $45; $27.50.

Hirsh, Richard F. Power Loss: The Origins of Deregulation and Restructuring in the American Electric Utility Industry. xii + 400 pp., illus., figs., tables, bibl., index. Cambridge, Mass.: The MIT Press, 1999. $50.


Ifrah, Georges. The Universal History of Numbers: From Prehistory to the Invention of the Computer. Translated by David Bellos, E.F. Harding, Sophie Wood, and Jan Mark. xii + 633 pp., illus., figs., tables, bibl., index. New York: John Wiley & Sons, 2000. $39.95.

Itzkoff, Seymour W. The Inevitable Domination by Man: An Evolutionary Detective Story. xvi + 386 pp., frontis., illus., figs., tables, bibl., index. Ashfield, Mass.: Paideia Publishers, 2000. $37.50.


Kay, Lily E. Who Wrote the Book of Life?: A History of the Genetic Code. xiv + 441 pp., figs., tables, bibl., index. Stanford: Stanford University Press, 2000. $60 (cloth); $24.95 (paper).

Kekewich, Lucille (Editor). The Impact of Humankind. (The Renaissance in Europe: A Cultural Enquiry.) xii + 272 pp., illus., figs., index. New Haven, Conn./London: Yale University Press, 2000. $45 (cloth); $18.95 (paper).

Keys, David Patrick; Gallinner, John F. Confronting the Drug Control Establishment: Alfred Lindesmith as a Public Intellectual. x + 235 pp., illus., figs., apps., bibl., indexes. Albany: State University of New York Press, 2000. $57.50 (cloth); $18.95 (paper).


King, David A. World-Maps For Finding the Direction and Distance to Mecca: Innovation and Tradition in Islamic Science. (Islamic Philosophy, Theology and Science, 36.) xl + 683 pp., illus., tables, apps., bibl., indexes. London: Al-Farq; n Islamic Heritage Foundation/Leiden: Brill, 1999.

Klein, Wolf Peter. Die Geschichte der meteorologischen Kommunikation in Deutschland: Eine historische Fallstudie zur Entwicklung von Wissenschaftsprachen. (Texte und Studien zur Wissenschaftsgeschichte, 2.) 432 pp., illus., tables, apps., bibl., index. Hildesheim, Germany: Georg Olms Verlag, 1999. DM 78.

Kohlstedt, Sally Gregory (Editor). History of Women in the Sciences: Readings from Isis. 379 pp., illus., tables, index. Chicago: University of Chicago Press, 1999. $45 (cloth); $20 (paper).

Kollerstrom, Nicholas. Newton’s Forgotten Lunar Theory: His Contribution to the Quest for Longitude. xxi + 257 pp., figs., tables, apps., bibl., index. San Francisco: Green Lion Press, 2000. $59.95.


Larabee, Ann. Decade of Disaster. xii + 194 pp., illus., index. Champaign, Ill.: University of Illinois Press, 1999. $42.50 (cloth); $15.95 (paper).

Larner, John. Marco Polo and the Discovery of the World. 250 pp., illus., apps., bibl., index. New Haven, Conn.: Yale University Press, 1999. $29.95.

Lay, Mary M.; Gurak, Laura J.; Gravon, Clare; Myntti, Cynthia (Editors). Body Talk: Rhetoric, Technology, Reproduction. Foreword by Sally Gregory Kohlstedt and Helen E. Longino. xiv + 308 pp., bibl., index. Madison: University of Wisconsin Press, 2000. $60 (cloth); $24.95 (paper).

Lengwiler, Martin. Zwischen Klinik und Kauern: Die Geschichte der Militärpsychiatrie in Deutschland und der Schweiz 1870-1914. 432 pp., illus., tables, apps., index. Zurich: Chronos, 2000. (Paper.)


Leys, Ruth. Trauma: A Genealogy. x + 318 pp., index. Chicago: University of Chicago Press, 2000. $55 (cloth); $19 (paper).

Linder, Martin. Die Pathologie der Person: Friedrich Kraus Neubezimmung des Organismus am Beginn des 20. Jahrhunderts. 150 pp., bibl., frontis., index. Berlin: Verlag für Geschichte der Naturwissenschaften
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Low, Morris F. (Editor). Beyond Joseph Needham: Science, Technology, and Medicine in East and South-East Asia. (Oriens: A Research Journal Devoted to the History of Science and its Cultural Influences, 13.) 443 pp., illus., figs., index. Chicago: University of Chicago Press, 1999. $39 (cloth); $25 (paper).

Low, Morris; Nakayama, Shigeru; Yoshioka, Hitoshi. Science, Technology and Society in Contemporary Japan. (Contemporary Japanese Society, 13.) xiv + 226 pp., illus., tables, bibl., index. Cambridge: Cambridge University Press, 1999. $59.95 (cloth); $19.95 (paper).

Lund, Erik A. War for the Every Day: Generals, Knowledge, and the Warfare in Early Modern Europe, 1680-1740. (Contributions in Military Studies, 181) xii + 242 pp., app., bibl., index. Westport, Conn./London: Greenwood Press, 1999. $65.


McCray, W. Patrick. Glassmaking in Renaissance Venice: The Fragile Craft. xii + 240 pp., illus., figs., tables, bibl., index. Aldershot: Ashgate, 1999. $78.95.


Mcmullen, Kelly R. The Case for Mars VI: Making Mars an Affordable Destination. (Science and Technology Series, 98.) (Proceedings of the sixth Case for Mars Conference, American Astronautical Society, July 17-20, 1996, Boulder, Colorado.) xiv + 560 pp., illus., figs., tables, apps., bibli., indexes. San Diego: Univelt, 2000. $80 (cloth); $55 (paper).

McNeill, J.R. Something New Under the Sun: An Environmental History of the Twentieth-Century World. xvi + 421 pp., illus., figs., tables, bibl., index. New York: W.W. Norton & Co., 2000. $29.95.


Miller, Arthur I. Insights of Genius: Imagery and Creativity in Science and Art. xxii + 482 pp., illus., bibl., index. Cambridge, Mass.: MIT Press, 2000. $18.95 (paper).


Moore, James G. Exploring the Highest Sierra. xvii + 427 pp., frontis., illus., figs., tables, app., bibl., index. Stanford: Stanford University Press, 2000. $49.50 (cloth); $17.95 (paper).


Müller-Wille, Ludger (Editor). Franz Boas Among the Eskimos of Baffin Island, 1883-1884: Journals and Letters. Translated by William Barr. xvi + 298 pp., illus., tables, app., bibl., index. Toronto: University of Toronto Press, 1998. $50.

Nash, Stephen E. (Editor). It's About Time: A History of Archaeological Dating in North America. viii + 290 pp., illus., figs., tables, bibl., index. Salt Lake City: University of Utah Press, 2000. $45.

Neufeld, Michael J. The Rocket and the Reich: Peenemunde and the Coming of the Ballistic Missile Era. xiv + 367 pp., frontis., illus., figs., tables, apps., bibl., index. New York: Harvard University Press, 1995. $17.95 (paper).

Newbold, Heather (Editor). Life Stories: World-Renowned Scientists Reflect on Their Lives and the Future of Life on Earth. xii + 234 pp., illus., index. Berkeley: University of California Press, 2000. $45 (cloth); $16.95 (paper).

Newton, Roger G. The Truth of Science: Physical Theories and Reality. xii + 260 pp., illus., figs., bibl., index. Cambridge, Mass.: Harvard University Press, 2000. $16.95 (paper).

Numbers, Ronald L.; Stenhouse, John (Editors). Disseminating Darwinism: The Role of Place, Race, Religion, and Gender. xii + 300 pp., index. Cambridge: Cambridge University Press, 1999. $54.95.

Nye, David E. (Editor). Technologies of Landscape: From Reaping to Recycling xi + 292 pp., illus., tables, index. Amherst, Mass.: University of Massachusetts Press, 1999. $50 (cloth); $16.95 (paper).


Osler, Margaret J. (Editor). Rethinking the Scientific Revolution. xii + 340 pp., illus., figs., index. New York: Cambridge University Press, 2000. $69.95 (cloth); $24.95 (paper).

Ostrom, John H.; McIntosh, John S. Marsh's Dinosaurs: The Collections from Como Bluff. Foreword by Peter Dodson. Historical Update by Clifford A. Miles and David W. Hamblin. 388 pp., frontis., illus., bibl., index. New Haven/London: Yale University Press, 1999. $85.


Pickover, Clifford A. *The Girl Who Gave Birth to Rabbits: A True Medical Mystery.* 232 pp., illus., figs., apps., bibl., index. Amherst, N.Y.: Prometheus Books, 2000. $19 (paper).


Pit, Joseph C. *Thinking About Technology: Foundations of the Philosophy of Technology.* xiv + 146 pp., illus., bibl., index. New York: Seven Bridges Press, 2000. $21.95.

Plato. *Timaeus.* Translated by Donald J. Zeyl. xvi + 94 pp., figs., bibl. Indianapolis: Hackett Publishing Company, Inc., 2000. $29.95 (cloth); $10.95 (paper).

Porter, Neil A. *Physicists in Conflict.* xvi + 275 pp., illus., figs., bibl., index. Bristol, Eng.: Institute of Physics Publishing, 1998. $49.


Rashed, Roshdi; Biard, Jöel (Editors). *Les doctrines de la science de l'antiquité à l'âge classique.* (Ancient and Classical Sciences and Philosophy.) 277 pp., figs., index. Leuven: Peeters, 1999. (Paper.)


Rojecki, Andrew. *Silencing the Opposition: Anti-nuclear Movements and the Media in the Cold War.* (The History of Communication series.) 195 pp., figs., tables, bibl., index. Champaign: University of Illinois Press, 1999. $37.50 (cloth); $16.95 (paper).

Romano, Antonella. *La Centre-Réforme Mathématique: Constitution et Diffusion d’Une Culture Mathématique Jusqu’à la Renaissance (1540-1640).* (Bibliothèque des écoles françaises d’Athènes et de Rome, 360.) xii + 686 pp., illus., figs., tables, apps., bibl., index. Rome: École Francaise de Rome, 1999.


Rutsky, R. L. *High Techné: Art and Technology From the Machine Aesthetic to the Posthuman.* (Electronic Mediations, 2.) 196 pp., index. Minneapolis: University of Minnesota Press, 1999. $44.95 (cloth); $17.95 (paper).

Scaye, W. Garrett. *From Galaxies to Turbulence: Science, Technology and the Parsons Family.* xvi + 579 pp., illus., figs., tables, apps., bibl., index. Bristol, Eng.: Institute of Physics Publishing, 2000. $45.


Sloan, Phillip R. (Editor). *Controlling Our Destinies: Historical, Philosophical, Ethical, and Theological Perspectives on the Human Genome Project.* (Studies in Science and the Humanities from the Reilly Center for Science, Technology, and Values, 5.) xxx + 535 pp., illus., figs., tables, bibl., index. Notre Dame: University of Notre Dame Press, 2000. $50 (cloth); $20 (paper).

Smith, Simon C. *Kuwait, 1950-1965: Britain, the al-Sabah, and Oil.* (A British Academy Postdoctoral Fellowship Monograph.) vii + 167 pp., frontis., illus., apps., bibl., index. Oxford: Oxford University Press, 1999.


Sommer, Matthew H. *Sex, Law, and Society in Late Imperial China.* (Law, Society, and Culture series.) xv + 348 pp., index. Cambridge, Mass./London: Harvard University Press, 2000. $79.95 (cloth); $26.95 (paper).


Steen, L. A. *Mathématique: Constitution et Diffusion d’Une Culture Mathématique Jusqu’à la Renaissance (1540-1640).* (Bibliothèque des écoles françaises d’Athènes et de Rome, 360.) xii + 686 pp., illus., figs., tables, apps., bibl., index. Rome: École Francaise de Rome, 1999.


Stannard, Jerry. Herbs and Herbalism in the Middle Ages and Renaissance. Edited by Katherine E. Stannard and Richard Kay. (Variorum Collected Studies Series.) xvi + 342 pp., frontis., illus., tables, bibli., index. Brookfield, Vt.: Ashgate, 1999. $110.95.


Swerdlow, N. M. (Editor). Ancient Astronomy and Celestial Division. x + 378 pp., figs., tables, bibli., index. Cambridge, Mass.: MIT Press, 1999. $50.

Tang, Joyce. Doing Engineering: The Career Attainment and Mobility of Caucasian, Black, and Asian-American Engineers. xx + 242 pp., figs., tables, bibli., index. Lanham, Md.: Rowman & Littlefield Publishers, 2000. $65 (cloth); $24.95 (paper).


Thornton, Joe. Pandora's Poison: Chlorine, Health, and a New Environmental Strategy. xii + 599 pp., figs., tables, apps., bibli., index. Cambridge, Mass.: MIT Press, 2000. $34.95.


Weber, A.S. (Editor). 19th Century Science: An Anthology. xii + 500 pp., illus., figs., tables, bibli., index. Peterborough, Ontario: Broadview Press, 2000. $22.95 (paper).

Weindling, Paul Julian. Epidemics and Genocide in Eastern Europe, 1890-1945. xii + 463 pp., illus., figs., tables, apps., bibli., index. New York: Oxford University Press, 2000. $95.

Wertheim, Margaret. The Pearly Gates of Cyberpace: A History of Space from Daisy to the Internet. 336 pp., illus., figs., index. New York: W.W. Norton, 1999. $24.95.

Weyer, Johannes. Wernher von Braun. 158 pp., illus., figs., tables, bibli., index. Munich: Rowohlt Taschenbuch Verlag, 1996. DM 12.90.

Whitlock, Keith (Editor). The Renaissance in Europe: A Reader. (Part of a five-book series accompanying the Open University course, The Renaissance in Europe: A Cultural Enquiry.) x + 374 pp., illus., index. New Haven, Conn./London: Yale University Press, 2000. $45 (cloth); $18.95 (paper).


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Name: ________________________________
Address: ___________________________________________________________
City: __________________ State: _______ Zip: _______________________
Telephone: ________________________________
E-mail: ________________________________
Status: Graduate Student Unaffiliated Scholar

HSS Member? yes no

Prior Grants Received (circle applicable years): 1999 1998

Society Activity in Vancouver:

Paper Presentation (title & session): _____________________________

Society Committee (committee name): ______________________________
Society Governance (activity): _____________________________

Award Request:

Airfare: ______________________
Train: ______________________
Auto (@.24/mile): ______________________

List Three References:
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Send completed applications to HSS Executive Office, Attn: Travel Grants, Box 351330, University of Washington, Seattle, WA 98195-1330 by 1 September 2000. Questions about travel grants should be addressed to the HSS Executive Office (206-543-9366 or hssexec@u.washington.edu).

2000 HSS Travel Agent: Sandra Courtney of Travel Concepts, Inc., 649 Strander Blvd., Suite F, Seattle, WA 98188, (206) 686-1279, (877) 474-2053, ext. 102 (toll free); sctravel@hotmail.com.