Pittsburgh is called "the city with an entrance" and HSS members who have not visited the area will soon understand the significance of this phrase. As you emerge from the Fort Pitt tunnel on the drive in from the airport, Pittsburgh's compact downtown will be spread before you, its gleaming 11-by-11 block area dispelling persistent notions of a coal-smeared town. The downtown area, also called the "Golden Triangle," (pictured at right) marks the union of Pittsburgh's three rivers, the Monongahela, the Allegheny, and the Ohio, with the point of intersection marked by Point State Park, which features jogging trails and a spectacular fountain, fed by a little-known fourth river.

To the east of Point State Park is Oakland, Pittsburgh's academic center, where Andrew Carnegie and others used their fortunes to build a cultural district of world renown, including the Carnegie Museums and the Cathedral of Learning. (All of which are a short bus ride from the conference hotel.) Located just across from Oakland, in Schenley Park, is the Phipps Conservatory and its two and one-half acres of exotic flora. On the north side of town, are the Andy Warhol Museum and the Carnegie Science Center and the "T", Pittsburgh's subway, which is free in the downtown area.

Members will have a variety of options in reaching the Westin William Penn, the conference hotel, from the airport. Once you deplane, proceed to Ground Transportation and the Airport Express booth. (Look for the $3 off coupon on the hotel registration page. Credit cards are accepted.) The shuttle runs Monday through Friday 5 a.m. to 7 p.m. every 30 minutes, and 7 a.m. to 10 p.m. every hour. On Saturday and Sunday, it operates from 5 a.m. to 10 p.m. every hour. A round-trip is $20 and the ride to the hotel takes about 35 minutes. You will use the Oliver Street stop for the shuttle, a short block from the hotel. A cab ride averages $28 to $38, depending on the traffic. Also, the port authority operates a bus, Airport Flyer 28X, $1.95 one way, which has two downtown stops. Check at the airport for the schedule. The bus takes approximately 45 minutes.

The weather can be unpredictable in November, with days ranging from summery-like weather to snow storms. Typically, the last colors of the fall foliage will still be visible and temperatures will be in the lower 40s Fahrenheit, approximately 5 degree Celsius, and it is best to bring a jacket or sweater. Weather reports, along with a wealth of information, such as cities served by Pittsburgh International Airport, are available via links on the HSS Web site.

For members who live in other countries, currency exchange outlets are available at the Mellon Bank, the PNC Bank, and Mutual of Omaha, the latter located at the airport.
HSS Looking Ahead

As we prepare to assemble for the 1999 annual meeting, the satisfaction of celebrating the semisesquicentennial is leavened by the Society’s forward-looking activities. These activities are nowhere more evident than the services offered through the HSS Web site (http://depts.washington.edu/hssexec) which has been maintained and expanded by Melissa Oliver and Rob Ferguson. One portion of the HSS site which was a resounding success this past spring, was the option to submit electronically paper or session proposals for the 1999 meeting. Compared to last year, the first year that electronic submissions were available, the differences are dramatic. In 1998, 10 percent of session proposals and 25 percent of paper proposals came through the Web. This year, those numbers grew to 84 percent and 89 percent, respectively. Electronic submissions not only eased the submission process for our members—27 percent more session proposals were received compared to last year—but a large difference was evident in the office. Instead of laboriously typing in abstracts, many of which had been submitted via garbled faxes, a task that would take 30 minutes or longer for each proposal, electronic submissions were processed in a tenth of the time, an average of 3 minutes for each proposal. These were then quickly loaded onto a unique Web site, designed specifically for the program co-chairs. Due to the increased electronic submission rate and the concerted effort of the program chairs, this year’s program was available much earlier than anticipated.

Although session and paper proposals are vitally important, other services are offered through the Web site. Meeting registration and hotel reservation forms will be posted on the Web site, precluding the need to request yet another July letter. Also, an updated online directory is now available, with a database that is searchable by name, institution, city, and, best of all, research interests. This new electronic directory will complement the print directory, which was mailed to members in May, and should facilitate contact among our membership—one of the more important functions of a professional society.

**Memorabilia Wanted**

Please send us your photos, old meeting programs, or other print memorabilia that we can display at the anniversary meeting.

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 website, and the History of Science and Technology Database (HST) through the HSS homepage http://depts.washington.edu/hssexec/. RLG has assigned us “YsGJ9” as a “User Name” and “HSSDEMO” as a “Password.”

**History of Science Society Executive Office**

University of Washington  
Box 351330  
Seattle, Washington 98195-1330  
Phone: 206/543-9366  
Fax: 206/685-9544  
e-mail: hssexec@u.washington.edu  
Web site: http://depts.washington.edu/hssexec/  
Physical address (Fed-Ex, UPS):  
Johnson Hall, Room 226  
University of Washington  
Seattle, Washington 98195-1330  
Subscription Inquiries: ISIS and HSS Newsletter

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

**HSS Newsletter Editorial Policies, Advertising, and Submissions**

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

The Newsletter is edited and desktop published by Melissa Oliver in the Executive Office on an Apple Power Macintosh system using Microsoft Word and Adobe PageMaker. The format and editorial policies are determined by the Executive Director in consultation with the HSS Executive Committee. All advertising copy must be submitted camera-ready. Advertisements are accepted on a space-available basis only, and the Society reserves the right not to accept a submission. The rates are as follows:

- Full page (9 x 7.5"), $350; Half page (4.5 x 7.5"), $200; Quarter page (3 x 5"), $100. The deadline for insertion orders and camera-ready copy is six weeks prior to the month of publication (e.g., November 15 for the January Newsletter) and should be sent to the attention of the HSS Executive Office at the above address. HSS recommends that all camera-ready ads be sent via overnight or 2-day mail to the physical address above.

  The deadline for news, announcements, and job/fellowship/prize listings is firm: The first of the month prior to the month of publication. Long items (feature stories) should be submitted six weeks prior to the month of publication as e-mail file attachments or on a 3.5" disk (along with a hard copy). Please send all material to the attention of Melissa Oliver at the HSS address above (e-mail or disk appreciated).
New Travel Agent

We have recently secured the services of Sandra Courtney of Travel Concepts, Inc., for Society travel. Sandra has extensive experience working with the education sector. When you contact her, she will look first for convenient flights on your preferred airline. If you desire the least expensive flight available, please let her know. Also note that international travelers are not eligible for the convention discount; international travelers can lower their airfare by buying wholesale discount tickets (check with your travel agent). If you call, and Sandra is unable to take your call, just leave your travel preferences on her voice mail and she will respond within 24 hours. Or, you may wish to fax or e-mail her the information. Irrespective of how you book your travel, please use the group identifier number (United Air 5730D (800) 521-4041 or US Airways 39631137 (877) 874-7687) when you make your reservation. HSS will receive travel benefits as a result of your using this number, savings that accrue to the Society.

1999 Election Results

The following members have been chosen to represent the interests of the Society.

For Vice-President:
(President elect) John Servos, Amherst College

For Council:
Janet Browne, Wellcome Institute for the History of Medicine
Rich Kremer, Dartmouth College
Kathryn Olesko, Georgetown University
Alan E. Shapiro, University of Minnesota
Pamela Smith, Pomona College

Council members elected to serve on the Nominating Committee:
Harold J. Cook, University of Wisconsin
Phillip R. Sloan, University of Notre Dame
M. Norton Wise, Princeton University

At-large members elected to serve on the Nominating Committee:
Theodore M. Porter, UCLA
Joan Richards, Brown University

Our thanks to the 1999 Nominating Committee: Paula Findlen, Chair; Frederick Churchill; Roger Hahn; Gregg Mitman; Lynn K. Nyhart; and the 242 members who voted.

New Osiris Editorial Board Members

Two new members have been added to the Osiris Editorial Board. Jan Golinski has been appointed to a five-year term ending December 31, 2003. Golinski is the author of Science as Public Culture (1992), and Making Natural Knowledge (1998), both with Cambridge University Press, and a co-editor of The Sciences in Enlightened Europe (University of Chicago, 1999). He is presently Associate Professor of History at the University of New Hampshire. Michael Neufeld of the National Air and Space Museum’s Aeronautics Division has been appointed to replace Kathy Olesko, now Associate Editor of Osiris, on the Editorial Board and will serve until December 31, 2001. Neufeld is the author of The Skilled Metalworkers of Nuremberg (Rutgers, 1989) and The Rocket and the Reich (Free Press, 1995), the editor of Planet Dora (Westview, 1997) and a co-editor of The Bombing of Auschwitz (St. Martin’s, 1999). A new member is appointed annually to the Osiris Editorial Board; recommendations for appointments should be sent to: Kathryn M. Olesko, Department of History, Georgetown University, Washington, DC 2005, or kolesko@gusun.georgetown.edu.
# CONFERENCE REGISTRATION FORM

*Electronic registration is strongly encouraged*

http://depts.washington.edu/hssexec/annual/register.html

Meeting dates are 4–7 November 1999

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

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**Please indicate any special dietary requirements**

**TOTAL OF ALL CHARGES:**

**Payment Information**

Conference Registration Form and payment by check, money order, or credit card must be received by **6 October 1999** 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: hssexec@u.washington.edu.

Full refund if requested by **6 October 1999**.

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 Westin William Penn is pleased to welcome the
HISTORY OF SCIENCE SOCIETY, 4–7 November 1999

Schedule of Rates

| Single   | $109
| Double  | $109
| Triple  | $129
| Quadruple | $149

Terms

- Room rates are subject to local taxes, currently 14%
- Check-in time is 3:00 p.m. and check-out is 1:00 p.m. Late check out subject to availability
- Children under age 18 are free when occupying the same room with an adult
- Cancellation notice for refunds is required 72 hours prior to scheduled arrival
- Special requests honored on a space-available basis
- Maximum four persons per room
- Any change made to this reservation after check-in (including early departure) is subject to a $25.00 administrative fee
- Deluxe Room Accommodations (exterior room view) available for $10.00 over prevailing rate

Name:

Roommate(s) (if applicable):

Address:

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

Country: ___________________________ Telephone: ___________________________ Fax: ___________________________

I will arrive on ___________________________ Day/Date/Time I will depart on ___________________________ Day/Date/Time

Accommodations

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

☐ Accessible room requested
☐ Non-smoking room requested
☐ Roll-away bed requested (one-time $25.00 additional charge)

☐ 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 ☐ Discover ☐ CB ☐ DC ☐ Euro card ☐ JCB/JAL

Payment Information:

Credit Card # ___________________________
Exp. Date ___________________________ Signature ___________________________

Return this form directly to:

For more information, call the Westin William Penn at 412-281-7100 (FAX: 412-553-5252).

Or, to make reservations by phone call the Central Reservation Office at 800-228-3000. Identify yourself as attending the History of Science Society meeting to receive the group rate. Reservations must be received by 4 October 1999 to receive the special rate.
1999 Semisesquicentennial Program

Please note that this program is subject to change. For the most up-to-date program, please visit our Web site at http://depts.washington.edu/hssexec/annual/program99.html

Thursday, November 4

Executive Committee Meeting, 9:00 a.m.-12:00 p.m.
Book Exhibit Set-up, 2:00-5:00 p.m.
HSS Council Meeting, 1:00-5:00 p.m.
Registration, 3:00-7:00 p.m.
Opening Reception, 7:00-9:00 p.m.

Plenary Session 5:00-7:00 p.m.

75 years of HSS: Perspectives from SHOT, PSA, SSSS, & BSHS

Terry S. Reynolds, President, SHOT, 1998-2000, and Bruce E. Seely, Executive Secretary, SHOT, 1990-1996, Parent or Older Sibling? The History of Science Society and the Founding of the Society for the History of Technology

Richard Jeffrey, President, PSA, The Career of Logical Empiricism

Sheila Jasanoff, President, SSSS, Reconstructing the Past, Constructing the Present: Can Science Studies and History of Science Live Happily Ever After?

Ludmilla Jordanova, President, BSHS, Is there an Anglo-American Historiography of Science?

Session Organizers: Frederick Gregory, University of Florida, and Edith Dudley Sylla, North Carolina State University

Friday, November 5

Registration, 8:00 a.m.-5:00 p.m.
Book Exhibit, 8:00 a.m.-5:00 p.m.
DVHSP Meeting, 7:30-9:00 a.m.
Women’s Caucus Meeting, 7:30-9:00 a.m.
Iss/Editorial Board Meeting, 7:30-9:00 a.m.

9:00-11:45 a.m. *indicates session organizer(s)

Roots of the History of Science

Tore Frangsmyr, Uppsala University, History of Science as History of Civilization: George Sarton’s Program

Maura C. Flannery, St. John’s University, Science and Religion: Reconsidering the Work of Lynn White, Jr.

Adam J. Foster, University of Toronto, In Dilthey’s Shadow: Hermeneutics and the History and Philosophy of Science

I.B. Cohen, Harvard University, Context and Construction: Allies of the History of Science Old and New

Commentator & Chair: Ed Grant, Indiana University

Experimental and Conceptual Tools in the Development of Organic Chemistry

*Melvyn C. Usselman, University of Western Ontario, Liebig’s “Kaliapparat” and the Elemental Analysis of Organic Compounds: A Reconstruction and Reevaluation

*Alan J. Rocke, Case Western Reserve University, Organic Analysis in France: Apparatus, Method, Theory, and Style

Ursula Klein, Max Planck Institute for the History of Science, Paper-tools and the Formation of a New Experimental Culture in 19th-century Chemistry

Commentator & Chair: Mary Jo Nye, Oregon State University

Corruption, Fraud, and Misconduct in American Science


Tal Golan, Dibner Institute for the History of Science and Technology, The Common Liar, the Damned Liar, and the Scientific Expert: Nineteenth Century

Debates Concerning Scientific Expert Testimony

Claudia Clark, Central Michigan University, “Let Me Give You an Unbiased Opinion”: A Case Study of Corporate-sponsored Industrial Health Researchers Deceiving Radium

Daniel J. Kevles, California Institute of Technology, The Baltimore Case: Obligations, Judgment, and Data

Chair: Paul Lucier, Rensselaer Polytechnic Institute

Bridging the Disciplinary Divide: Modelling and the Interactions Between Economics and the Sciences in the Twentieth Century

Marcel Boumans, University of Amsterdam, The Economic World in Which We Live

*Suman Seth, Princeton University, Bulls, Bears and Brownian Motion: Physics and the Rationality of Stock-Market Pricing

Judy Klein, Mary Baldwin College, Controlling Gunfire: Inventory and Expectations with the Exponentially Weighted Moving Average

Phillip Mirowski, University of Notre Dame, From Quantum Mechanics to Cyborgs: John von Neumann and 20th Century Economics

Commentator & Chair: Mary Morgan, London School of Economics

Theory and Practice in Early Modern Navigation

Lesley B. Cormack, University of Alberta, Edward Wright and Thomas Harriot: The Case for Navigation as a Transformative Site for the Scientific Revolution

Alison D. Sandman, University of Wisconsin, Madison, Who Marks the X?: Theoreticians

Women’s Caucus Annual Meeting

The Women’s Caucus will hold its annual breakfast meeting on Friday, 5 November, from 7:30-9:00 a.m. at the HSS Semisesquicentennial Meeting in Pittsburgh. The aims of the Caucus are to facilitate networking and other professional opportunities for women historians of science and to encourage teaching and research on historical studies of women and gender in science and technology. We cordially invite interested individuals (especially graduate students and young scholars) to attend. We look forward to seeing you in Pittsburgh!
News of the Society

vs. Practitioners in the Construction of Sea Charts in 16th-century Spain
*Eric H. Ash, Princeton University, Secants and Sailors: Mathematical Expertise and the Art of Navigation in Elizabethan England

Roxani E. Margariti, Princeton University, Navigational Encounters: Theory and Practice of Indian Ocean Navigation by Arabs, Ottomans and Portuguese in the 16th Century

Commentator & Chair: Peter Dear, Cornell University

All God's Creatures: Religion and Science in Natural History
*Monique Bourque, University of Pennsylvania, The 'Fabric of Insects' and the 'Omnipotence of God': Nature as a Reflection of Divine Intention in the Works of Thomas Moffett

Clara Pinto-Correia, Universidade Lusofona de Humanidades e Tecnologias (Lisbon, Portugal), God Under the Lens

Lynda S. Payne, University of Missouri-Kansas City, Hysterical and Hypochondriac Creatures: God, Nature, and Science in the Medical Passions of Enlightenment Britain


Commentator & Chair: Paula Findlen, Stanford University

Scientific Texts, Political Texture: Post-Cold War Perspectives on Soviet Science
Kirill O. Rossiaiov, Institute for History of Science and Technology, Moscow, Traveling with Bolsheviks: Field Work, Expeditions, and their Patrons

Karl Hall, Harvard University, Tests of Strength: Soviet Physics and Industry during the First Five Year Plan

*Aleksi B. Kojenvnikov, American Institute of Physics, Freedom, Collectivism, and Quasiparticles: Social Metaphors in Quantum Physics

*Slava Gerovitch, Massachusetts Institute of Technology, Speaking Cybernetically: The Discourse of Objectivity in the Post-Stalin Era

Commentator: Peter Galison, Harvard University

Chair: Loren Graham, Massachusetts Institute of Technology

Physics From the 1930s
Dong-Won Kim, Korea Advanced Institute of Science and Technology, Y. Nishina and the Japanese Physics Community in the 1930s

Matthew Frank, University of Chicago, What Mathematics owes to Quantum Mechanics: The work of von Neumann, 1927-1932

Andris V. Krumins, Institute for the History and Philosophy of Science and Technology, Symmetry, Conservation Laws, and Nuclear Interactions

Robert G. Arns, University of Vermont, The Neutrinos: Conjectures in Search of Evidence

Kent W. Staley, Arkansas State University, Lost Origins of the Third Generation of Quarks: Philosophy, Theory, and Experiment

Chair: TBA

Forum for the History of Science in America, 12:00-12:30 p.m.
Committee on Honors & Prizes Meeting, 12:00-1:30 p.m.
Committee on Education Meeting, 12:00-1:30 p.m.
Committee on Finance, 12:00-1:30 p.m.

1:30–3:10 p.m.

*indicates session organizer(s)

The Politics of Cancellation: Recent Science, the Public Policy Process, and Organized Protest
Diana P. Hoyt, National Aeronautics and Space Administration, The Politics of Monkey Business: How it Came to Be that NASA Abandoned the Bion Project

Victoria P. Friedensen, National Academy of Engineering, Translating Risk: Public Protest of Technologies for Space Exploration

Michael N.M. Riordan, Institute for Particle Physics, University of California, Santa Cruz, The Termination of the Superconducting Super Collider

Commentator: Teresa L. Kraus, Federal Aviation Authority

Chair: *Roger D. Launius, National Aeronautics and Space Administration

Building a Better American: Eugenics and Middle-Class Culture in the Progressive Era
*Matthew Pratt Guterl, Rutgers University, 'Homo Albus': Science, War, Middle-Class Patriotism, and the Emergence of Optic Whiteness

Janet C. Olson, Northwestern University Library, 'A Fantasy of Magazine Science': American Popular Magazines and the Eugenics Movement, 1900–1924

Tanya Hart, Yale University, Black and Italian Infant Mortality in New York City, 1915–1924

Commentator: Heathler Munro Prescott, Central Connecticut State University

Chair: JoAnne Brown, The Johns Hopkins University

Ecology and Environment
Maureen A. McCormick, University of Oklahoma, The Intersection of Environmental Determinism and Reproductive Limits in Frank Fraser Darling's Ecology

Thomas Pothast, Max Planck Institute for the History of Science, Origins and Obstacles of Bioethics: Ecologists and Morals in Germany as Compared to North America, 1930–1960

Gale E. Christianson, Indiana State University, From Benevolence to Menace: The Scientific Biography of Global Warming


Chair: TBA

Images of Human Nature
Kathleen M. Crowther-Heyck, Johns Hopkins University, Fetal Positions: Embryology and Eschatology in Sixteenth-Century Germany

Joseph M. Gabriel, Rutgers University, "The Cocaine Nigger Sure is Hard to Kill": Sex, Medicine, and the Racial Politics of Cocaine, 1880–1914

Susan A. Miller, University of Pennsylvania, 'She Knows She is Master': Eugenics and the Camp Fire Girls

Greg J. Downey, Johns Hopkins University, Embodying Information: Telegraph Messenger Boys as both Technologies and Agents

Chair: TBA

Negotiating the Boundaries of Mind and Machine
Otniel D. Drof, Getty Research Institute for the History of Art and the Humanities, The Clog in the Machine: Emotion and Disorder in the Laboratory and Clinic
David E. Millett and Cornelius Borch, University of Chicago and Max Planck Institute for the History of Science, Navigating the Sea: Brain Waves: Electroencephalography in the 1930s and 1940s

Tara H. Abraham, University of Toronto, Physiological Circuits: The Origins and Legacy of the Neural Networks of McCulloch and Pitts

Katharine Wright, University of Toronto, Cybernetics and the Politics of Knowledge

Chair: TBA

Localisation of Scientific Knowledge
Margaret Meredith, University of California, San Diego, How Knowledge Travels: Collaboration and Credit in Early American Natural History Inquiry

Maria M. Lopes and Silvia Fernanda de Mendonca Figueiroa, Instituto Geociências-Universidade de Campinas-UNICAMP, Natural Sciences in Brazil: Local Aspects of the ‘Monopolisation’ of Sciences in the 19th Century

Andrew Zimmerman, Columbia University, Nature and Knowledge-Power at the Hamburg Colonial Institute

Mina Kleiche, Université Paris 7-CNRS (France), To Convert the Morocco into a Vast Orchard: To Introduce New Agricultural Methods from California to Morocco During the 1930’s

Chair: TBA

Interconnections in 18th-Century Science
Alexandra V. Bekasova, Institute for the History of Science and Technology, Russian Academy of Sciences, "In Search for Sciences": Russian Students in European Universities at the Second Half of the Eighteenth Century

Carl Frangsmyr, Uppsala University, Culture and Climate: A Swedish 18th-Century Discussion

Jeff Loveland, University of Cincinnati, Did Buffon Copy Price?: When Bayesian Results are not Necessarily Bayesian

Henk Kubbenga, University of Groningen, Laplace and the Rise of Molecularism

Chair: TBA

Science, Technology, Industry and Universities
Jean-François Auger, Centre interuniversitaire de recherche sur la science et la technologie, Toward a History of University, Industry and Government Relations: Contractual Research in Canadian Universities


Thomas C. Lassman, Johns Hopkins University, University-Industry Relations in Pittsburgh: Edward Condon and the Rebirth of Industrial Research at Westinghouse, 1937-1945

Chair: TBA

3:30-5:20 p.m.

*indicates session organizer(s)

The Late, Great Scientific Revolution
Andrew Cunningham, University of Cambridge, The Success of the Scientific Revolution

*Margaret J. Oster, University of Calgary, The Canonical Imperative: Rethinking the Scientific Revolution

J.E. McGuire, University of Pittsburgh, Capturing the Past to Seize the Future: Tradition and the Emergence of the New Science

Commentator & Chair: Robert S. Westman, University of California, San Diego

Gender and Science: Transnational and Cross-Cultural Perspectives
Ann Hibner Kolbicz, Arizona State University, Transnational Studies of Gender & Science: Toward a Broader Perspective

Mary F. Singleton and Pina G. Abir Am, University of California, Berkeley, Leadership and Gender in Science from Margaret Thatcher to Kalyani: British and Foreign Female Progeny of Nobel Laureate Dorothy Hodgkin

*Abha Sur, MIT, Ordinary/Extraordinary: India’s First Women Physicists

Commentator & Chair: Andrea Rusnock, Rensselaer Polytechnic Institute

Personal Identity and Scientific Practice

David C. Brock, Princeton University, Neurasthenia and the Ruthless Discipline of Measuring Physics: A.A. Michelson’s Confrontation with the Values of Precision

Ralph R. Hamerla, Case Western Reserve University, Laboratory Practice and Edward Morley’s Personal Identity, 1881-1895

Carsten Reinhardt, University of Regensburg, Reinventing Nuclear Magnetic Resonance for Chemistry: Herbert S. Gutfowky Between Disciplines and Identities, 1948-1968

Chair: *Leo B. Slater, Chemical Heritage Foundation

Reconsidering the Amateurs in Science
John T. Spaight, Cornell University, Redrawing the Boundaries: On the Usefulness of the Terms Amateur and Professional in Describing Eighteenth-Century Astronomy

Samuel J. M. M. Alberti, University of Leeds and Sheffield, UK, A Varied Stable: The Multiplicity of Victorian Amateur Natural History Practices

*Thomas R. Williams, Rice University, The Evolution of Amateur Astronomy in the United States in the Twentieth Century

Commentator: Ronald L. Numbers, University of Wisconsin, Madison

Chair: Marc Rothenberg, Smithsonian Institution

Real Science Wars: New Approaches to a Classic Issue
Brett D. Steele, University of California, Los Angeles, Why did the Scientific Revolution go so Revolutionary: Mechanism and the Mechanization of Early Modern Military Culture

Mary J. Henninger-Voss, Princeton University, The Arsenal as a House of Experiment

*Michael A. Dennis, Cornell University, Gone to War: Henry Guerlac at the Radiation Laboratory

Commentator: Pamela O. Long, Independent Scholar

Chair: Michael A. Dennis, Cornell University

On the Importance of Having Standards
*Amy Slaton, Drexel University, Materials Standards for Industry and the Obstacle of Scientific Fixity

Susan Lindee, University of Pennsylvania, Squashed Spiders: The Standardization and Medicalization of the Human Chromosomes, 1959-1965
*Arne Hessenbruch, Dibner Institute, Biological, Physical, Technical Standards: What do They Have in Common? Commentator: Angela Creager, Princeton University
Chair: TBA

The Same and Not the Same: Changing Theory and Representational Inertia in Chemical Models, 1857–1940
Christopher J. Ritter, University of California, Berkeley, The Impulse to Visualize and Meaning-in-Practice: Chemical Models, 1857–1874

Peter J. Ramberg, Max Planck Institute for the History of Science, Representational and Exemplary Models in Stereochemistry, 1874–1900

Eric Franceour, Max Planck Institute for the History of Science, Fleshing Out Atoms: The Early History of Space-Filling Models
Commentator & Chair: Stephen J. Weininger, Worcester Polytechnic Institute

Writing and Reading a Scientific Classic: Making Sense of Maxwell’s “Treatise on Electricity and Magnetism”

Andrew C. Warwick, Imperial College, From Maxwell’s “Treatise” to the Cambridge Maxwellians

Bruce J. Hunt, University of Texas, Taking the Measure of Maxwell’s “Treatise”

Ronald Anderson, Boston College, Exploring the Mathematical Strategies of Maxwell’s “Treatise”
Commentator & Chair: Jed Z. Buchwald, Dibner Institute for the History of Science and Technology

HSS Reception, 5:30–7:30 p.m.
Interest Group Meetings
History of Astronomy,
History of Early Science
History of Chemistry
7:30–9:00 p.m.
*indicates session organizer(s)

Beyond the Term Paper: Assigning and Assessing Non-Traditional Projects in the History of Science
Cathy Gorn, National History Day, Evaluating National History Day Projects

James Evans, University of Puget Sound, Hands-On Projects in Pre-Modern Astronomy

Timothy Lenoir, Stanford University, Science and Technology in the Making (STEM): Media-Intensive Tools for Teaching and Research

Joseph N. Tatarwicz, University of Maryland Baltimore County, Alternative Literary Forms of History—Conceiving, Executing, and Evaluating

Chair: Lisa Rosner, Richard Stockton College and Diane Lashinsky, Shorecrest H.S.

Historicizing Intelligence: A Critical Appraisal of Leila Zenderland’s Measuring Minds
Henry Herbert Goddard and the Origins of American Intelligence Testing

Session sponsored by the Forum for the History of the Human Sciences

John Carson, University of Michigan, From the Pathological to the Normal: Zenderland on Goddard and the Meanings of Intelligence in America

Hans Pols, Max Planck Institute for the History of Science, Henry Herbert Goddard, Feeblemindedness, and the Debate on Citizenship

Commentator: Leila Zenderland, California State University–Fullerton

Chair: John P. Jackson, University of Colorado–Boulder

Workshop on Writing in Science:
Its Past and Future
Alexander J. Boese, University of California, San Diego, The Great Moon Hoax of 1835; Science and Enlightenment in Antebellum America

Robert Hendrick, St. John’s University, “Coating the Edge of the Cup”: The Scientist as Popularizer in Fin-de-Siècle France

Wade E. Pickren, American Psychological Association, APA Archives and the APA Public Information Campaign Since WWII

Bruce V. Lewenstein, Cornell University, Have Books Mattered in American Science Since 1945?
Chair: TBA

Historical Writing on American Science Revisited: The Current State of the Field—Part I

Session sponsored by the Forum for the History of Science in America in celebration of its 15th anniversary:

Ronald R. Kline, Cornell University, Historical Writing on Business, Technology, and Industrial Research

Early Science Interest Group: Eat, Drink and Discuss Where the Field is Heading

Announcing a Symposium on

Sources and Resources: The Immediate Future of the Distant Past

Conversational Moderators:
(Ancient) Alex Jones and Jim Lennox
(Medieval) Joan Cadden and Jamil Ragep
(Early Modern) Maggie Osler and Bill Newman

Everyone is welcome to join us. Details of venue and cost are still to be determined. Deadline to sign up is 15 September 1999, but early expressions of interest will help in planning. We have funds to help offset costs of the meal for graduate students and those not employed; please let us know as soon as possible if you are eligible.

Please contact Liba Taub to sign up and be placed on the mailing list: lct100l@hermes.cam.ac.uk or by fax 44-1223-334554.

This Symposium is organised in memory of Wilbur Knorr.
James R. Fleming, Colby College, The Historiography of Science, Technology and the Environment: An American Perspective
Keith Wailoo, Harvard University, The Body in Parts: Recent Historiography on Disease and the Biomedical Sciences

Commentator: Sally Gregory Kohlstedt, University of Minnesota
Chair: *Clark A. Elliott, Harvard University and Dibner Institute for the History of Science and Technology
Session also organized by Jessica Wang and Karen Rader

Saturday, November 6

Registration, 8:00 a.m.–2:00 p.m.
Book Exhibit, 8:00 a.m.–5:00 p.m.
Committee on Diversity Meeting, 7:30–9:00 a.m.
Committee on Independent Scholars, 7:30–9:00 a.m.
Nominating Committee, 7:30–9:00 a.m.
Forum for the History of Science in America Coordinating Committee, 7:30–9:00 a.m.

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

The History of the Discipline: ca 1930–1950
*Diederick Raven, Utrecht University, Zilsel's Project on the Emergence of Modern Science
*Anna K. Mayer, HPS, Cambridge (UK)
Setting up a Discipline: Disputes on the HS Committee, 1936–1951

Everett Mendelsohn, Harvard University, Science at a Crossroads: Defining and Prescribing an Uncertain Future
Roger Hahn, University of California, Berkeley, History of Science at Berkeley Before and After World War II
Commentator: Arnold Thackray, Chemical Heritage Foundation
Chair: David Lindberg, University of Wisconsin, Madison

The New History of Astronomy: A Session in Honor of Bernard R. Goldstein
Alan C. Bowen, Institute for Research in Classical Philosophy and Science, Simplicius and the Early History of Greek Planetary Theory

José Chabás, Universitat Pompeu Fabra, Barcelona, The Diffusion of the Alfonsoine Tables: The Case of the "Tabulac Resolutae"
Michael H. Shank, University of Wisconsin, Madison, Goldsteinian Themes in Regiomontanus’s Defense of Theon
*Peter Barker, University of Oklahoma, Constructing Copernicus

Commentator: Bernard R. Goldstein, University of Pittsburgh
Chair: Nancy Siraisi, Hunter College and the Graduate School City University of New York

Off Color: The Science, Art, and Politics of Seeing Beyond Black and White
*Theresa Levit, Harvard University, L’erouge et le vert: Colors of Opposition in Restoration France
Tim Lenoir, Stanford University, “To Make Sensuous Man Rational, You Must First Make Him Aesthetic”:—Physiological Aesthetics and the Normalization of Taste in Germany, 1860–1895
*Debbie Coen, Harvard University, The “Irreplaceable Eye” and the “Irrecoverable1”: Human and Mechanical Detectors in Viennese Physics, 1918–1926

Michael Lynch, Brunel University, The Composition of Objects: False Colour and Digital Images

Commentator: M. Norton Wise, Princeton University
Chair: Erwin Hiebert, Harvard University

Mendel: The First Dozen Years (1900–1912+)
Marsha L. Richmond, Wayne State University, Richard Goldschmidt’s Epigenetic Interpretation of Mendelism
Hans-Joerg Rheinberger, Max Planck Institute for the History of Science, Carl Correns: After Mendel and Beyond
Ida H. Stamhuis, Vrije Universiteit Amsterdam, Mendelian Genetics and Probabilistic Reasoning: A Fruitful Combination
*Frederick B. Churchil, Indiana University, August Weismann in a Mendelian World

Commentator: Robert Olby, University of Pittsburgh
Chair: William Provine, Cornell University

Cold War Politics and American Science, 1940s–1960s
James Strick, Arizona State University, NASA, the Cold War and the “Nucleic Acid Monopoly”; Sidney Fox, Stanley Miller and Origin of Life Research, 1953–1972
David K. van Keuren, Naval Research Laboratory, Cold War Science in Black and White: U.S. Intelligence Gathering and Its Scientific Cover at the Naval Research Laboratory, 1948–1962
Maura P. Mackowski, Arizona State University, Human Factors: Science, Technology, and Cold War Politics in the NASA Astronaut Selection Process
*Mark Solovey, Arizona State University, WEST, Social Science on the Cold War Battleground: Project Camelot and the 1960s Debate Over Scholarly Objectivity and the Political Corruption of Research

Commentator & Chair: Bart Hacker, Smithsonian Institution

Readers and Publics for Early Modern Science
Alix Cooper, University of Puget Sound, Death and the Naturalist: The Labor of Posthumous Publication in Early Modern Europe
Alice Walters, University of Massachusetts Lowell, The Profits of Plagiarism: Henry Baker, George Adams, and “The Microscope Made Easy”

*Mary Terrall, University of California, Los Angeles, Fashionable Readers of Natural Philosophy


Commentator & Chair: Ann Blair, Harvard University

Astrological and (Al)Chemical Themes in Early Science
James A. Altena, University of Chicago, Elements, Mixis and Dynamis: Aristotelian Chemistry Reconsidered
Daryn R. Lehoux, University of Toronto, Causation in Ancient Astrological Weather Prediction

Steven R. Vanden Broecke, K.U. Leuven, The Low Countries and the Expectation of a Second Flood in February 1524
News of the Society

Margaret D. Garber, University of California, San Diego, Naturalizing the Spectrum: Observation, Alchemy, and the Physics of the Rainbow

H. Darrel Rutkin, Indiana University, Galileo Astrologer: New Perspectives on his Early Career

Chair: TBA

Victorian Women Bridging Art and Science

Barbara T. Gates, University of Delaware, Of Fungi and Fables: Beatrice Potter’s Science and Storytelling

Ann B. Shtein, York University, Emma Peachey and Wax Flower Modeling

Marilyn Bailey Ogilvie, University of Oklahoma, To Look at One Thing and See Another: Two Women Geologists, Ida Ogilvie and Maria Ogilvie-Gordon

Suzanne Le-May Sheffield, York University, Painting Outside the Lines: Marianne North’s Botanical Art

Commentator: Cynthia Russell, Yale University

Chair: Jennifer Tucker, Wesleyan University

Committee on Meetings & Programs, 12:00-1:30 p.m.

Committee on Research & the Profession, 12:00-1:30 p.m.

Forum for the History of Human Science, 12:00-1:30 p.m.

Committee on Publications, 12:00-3:00 p.m.

1:30–3:10 p.m.

*indicates session organizer(s)

Cognitive Understandings of Michael Faraday: New Tools and New Interpretations

David C. Gooding, University of Bath, Experimenting with an Experimentalist: the Computational Simulation of a Competent Experimentalist

Herbert A. Simon, Carnegie Mellon University, The Discovery of Magnetic Induction of Current: The Interplay of Phenomena and Concepts

*Ryan D. Tweney, Bowling Green State University, Faraday and the “Golden Green”: Metacognition and Discovery in Victorian Science

Commentator: TBA

Putting Fraud on Trial: Dishonest Quacks, False Alchemists and Deceptive Painters in Early Modern Europe

*Tara E. Nummedal, Stanford University, ‘Proper Bees’ and ‘Rotten Drones’: True and False Alchemists in Early Modern Central Europe

Claudia Stein, University of Stuttgart, Institute for the History of Medicine, Early Modern Medical Identity: Charlatans on Trial in Sixteenth-Century Augsburg

Janice L. Nezi, University of California, Irvine, Truth, Deception and Illusion in Sixteenth-Century Images of Nature

Commentator & Chair: William Eamon, New Mexico State University

Science, Popular Literature, and Narrative Traditions

Michael F. Robinson, University of Wisconsin, Blonde Eskimos and Yellow Journalism: Reforming the Arctic Narrative in Progressive America

Gary M. Kroll, University of Oklahoma, The Self-Effacing Hero of Science: William Beebe and his Literature of Oceanic Natural History

*Craig S. McConnell, University of Wisconsin, Universal Myths: Narrative Expectations and the Origin of the Cosmos

Commentator: D. Graham Burnett, University of Oklahoma

Chair: TBA

Intersections of the Moral and the Natural in the Scottish Enlightenment

Paul Wood, University of Victoria, Science, Politeness, and the Scottish Universities in the Enlightenment

*Margaret Schabas, York University, David Hume and Experimental Science

Anita Guerrini, University of California, Santa Barbara, Virtuous Performance: Monro primus, Hucheson, and Public Anatomy

Commentator: Roger Emerson, University of Western Ontario

Chair: Trevor Levere, University of Toronto

Internationalism and Science

Mark R. Finlay, Armstrong Atlantic State University, International Science on the Fringes: Agricultural Sciences and the Culture and Language of International Science

*Helen M. Rozwadowski, “Fish Know No National Frontiers”: Internationalism and Environmental Pragmatism in European Marine Science


Commentator: Daniel Alexandrov, European University at St. Petersburg

Chair: *Helen M. Rozwadowski

Museology and Medicine in the 19th and 20th Centuries

M. Rene Burmeister, Rutgers University, Public Instruction or ‘Obscene Advertising’?: Popular Anatomical Museums in Nineteenth-century London

*Constance A. Malpas, Princeton University, Organizing Pathology: The Architecture of Anatomy at Mid-Century

Erin H. McLeary, University of Pennsylvania, Pathologists, Professionalism, and the Public: The Medical Museum Enters the Twentieth Century

Commentator: John Harley Warner, Yale University

Chair: Gretchen Worden, Mütter Museum, College of Physicians of Philadelphia

Personal Trajectories in Science and the Humanities

Graham R. Shutt, University of Washington, Emerson and the Uses of Natural History

Joel S. Schwartz, College of Staten Island, CUNY, Out from Darwin’s Shadow: George John Roman’s Efforts to Popularize Science

Maria M. Farland, Columbia University, Gertrude Stein’s “Brain Work”


Chair: TBA

Twentieth-Century War, Government, and Science

Ann Johnson, Fordham University, Rebuilding the Engine: British Science Policy after World War I
Amy S. Bix, Iowa State University, Physics and Chemistry for Victory: America’s Engineering, Science, and Management War Training Program, 1940–45
Hunter A. Crowther-Heyck, Johns Hopkins University, A Place at the Table: the Social Sciences and the Federal Patron Edward Jones-Imhotep, Harvard University, Dispatches From the Border: Cold War Military Culture and the Reliability of Scientific Satellites
Chair: TBA

3:30–5:20 p.m.
*indicates session organizer(s)

Scientific Personae
Francesca M. Bordogna, University of Notre Dame, Three Rival Scientific Personae in American Psychology, 1890–1920
Myles W. Jackson, Willamette University, Harmony and Camaraderie: The Persona of the Naturforscher
Andrew Mendelsohn, Max Planck Institute for the History of Science, The Scientist as Technocrat
Commentator & Chair: *Lorraine Daston, Max Planck Institute for the History of Science

Refocusing the Spotlight: From Science Stars to the Backstage Crew
Diana E. Long, University of Southern Maine, Their Secret Gardens: Women and the Pleasures of Endocrine Laboratory Life, 1930–1960
Joy Harvey, Harvard University, The Mystery of the Nobel laureate and the Vanishing Wife
Mary Brown Parlee, MIT, Visible Bodies and Invisible Work: Gender, Scientific Authority, and the Institutionalization of the Neurosciences at MIT
Commentator: TBA
Chair: Mary Brown Parlee, MIT

A Comparative Approach to Science and Ideology
Walter Grunden, Bowling Green, and Zuoyue Wang, California State Polytechnic University at Pomona, ‘Ideologically Correct’ Science
Yakov Rabkin, University of Montreal, Science and Totalitarianism
Richard Beyler, Portland State University, Science Policy in Post-1945 West Germany and Japan between Ideology and Economics
Stuart Leslie, Johns Hopkins University, Korean Science at the Crossroads
Chair: *Mark Walker, Union College

Making Science Travel, Travel in the Making of Science: The Role of 17th- & 18th-century Corporate Networks
Harold J. Cook, University of Wisconsin-Madison, Introducing Asian Medicine to Europe: The Dutch East India Company and its Rivals
Gerald A. Ward, Dibner Institute and Boston University, From Merchant Adventurers to Merchants of Light: The Advent of English Joint-Stock Trading Companies and the Making of Bacon’s Great Instauration
Florence C. Hisia, Northwestern University, Cherishing Observations from afar: European Contexts for Jesuit Astronomical Work in China
Steven J. Harris, Wellesley College & Boston College, Cumulative Representations: How Corporate Networks Help Make Science Globally Mobile & Locally Progressive
Chair: *Steven J. Harris, Wellesley College & Boston College

Philosophies of Social Science in the French and American Traditions
Daniela S. Barberis, University of Chicago, Derrida, Duhamel, and the Misfortunes of Realism
David L. Hoyt, University of California, Los Angeles, Sociology’s Primitives and the Empire’s Associates: Greater France, 1890–1914
Dave Madden, University of Chicago, Culture, Personality, and the Philosophy of Social Science in American Anthropology between the First and Second World Wars
Commentator & Chair: John Gilkeson, Arizona State University

Bodies of Knowledge of Bodies in 18th-century France
Emma Spary, Max Planck Institute for the History of Science, Berlin, Limiting Cases: Extraordinary Eaters as Surgical Bodies in 18th-century France
Jonathan Simon, Centre de Recherche en Histoire des Sciences et des Techniques (CRHST), Skeletons in the Cabinet

Jessica Riskin, MIT, Moving Anatomies
Commentator: Lissa Roberts, San Diego State University
Chair: Henry Krips, University of Pittsburgh

“Chymistry” and “Chemistry”–Stability, Transformation, and Rejection in the Century Before Lavoisier
William R. Newman, Indiana University, An Ungentlemanly Gentleman: Boyle’s Appropriation of Chymical Knowledge
Lawrence M. Principe, Johns Hopkins University, Experiment in Chymistry and the Notebooks of George Starkey
John Powers, Indiana University, History and Alchemy in the Chemical Work of Herman Boerhaave
Kevin Chang, University of Chicago, In Search of True Sulphur: Georg Ernst Stahl’s “Zymotechnia Fundamentalis”
Chair: Lawrence M. Principe, Johns Hopkins University

Disease Entities in “Defined” Populations Within the Americas
Paul Kelton, Southern Connecticut State University, Avoiding the Smallpox Spirits: Epidemics and Southeast Indian Survival to 1800
George Joseph, Yale University, “A Colony in the Homeland”: Leprosy and Tropical Medicine in Progressive Era Massachusetts
David Abernathy, University of Washington, Canal Cartographies: Disease, Territoriality, and Scientific Evidence in the Panama-Nicaragua Route Dispute
Commentator & Chair: *Michele Thompson, Southern Connecticut State University

HSS Distinguished Lecture
6:00–7:00 p.m.
Charles Coulston Gillispie, Princeton University
Introduction by: Theodore Porter, UCLA

Pre-Banquet Reception, 7:00–8:00 p.m.
HSS Banquet, 8:00–10:30 p.m.
Graduate Student Party, 10:30 p.m.–?
Sunday, November 7

Book-Exhibit, 8:00 a.m.–12:00 p.m.
HSS Business Meeting, 8:00–9:00 a.m.

9:00–11:45 a.m.

*indicates session organizer(s)

**Historical Writing on American Science Revisited: The Current State of the Field—Part II**

Session sponsored by Forum for the History of Science in America in celebration of its 15th anniversary:

Jessica Wang, University of California, Los Angeles, Science, Technology, and U.S. Political History: Current and Future Historiographical Directions

Katherine Pandora, University of Oklahoma, Varieties of Historiographic Experience: Writing Intellectual and Cultural Histories of American Science

Ronald E. Doel, Oregon State University, Foreign Pursuits: Linking Diplomatic History with the History of Science

Commentator: Margaret W. Rossiter, Cornell University

Chair: *Karen Rader, Sarah Lawrence College

Session also organized by Clark A. Elliott

**Astronomy, Humanism, and the Literary Arts**

Ralph Drayton, University of Wisconsin, “In the Heart of any Incepting Student”: Religion and Medical Astrology in Montpellier c. 1400

Richard L. Kremer, Dartmouth College, From Text to Trophy: Shifting Functions of Regiomontanus’s Library

*Karl L. Galle, Imperial College, Was Copernicus also a Poet? The “Septem Sidera” and the Astronomer-Poet Tradition in Central Europe

Adam Mosley, Cambridge University, Truth and Correspondence: Some Comments on the Epistolary Genre and Early-Modern Astronomical Writings

Kristine L. Haugen, Princeton University, Varieties of Divination: Richard Bentley and the Astrological Poem of Manilius

Chair: James J. Bono, State University of New York, Buffalo

Is “Literature and Science” Historical?

Bernard Lightman, York University, The Story of Nature: Victorian Popularizers and Scientific Narrative

Jonathan Smith, University of Michigan, Dearborn, “Darwin’s Cirripedia and Dickens’s Little Dorrit

Laura Darrow Walls, Lafayette College, “Consilience Revisited: or, Why Should a Thoreauvian Read Whewell?”

Commentator: David Knight, University of Durham

Chair: George Levine, Rutgers University

The Computer as a Scientific Instrument

Stephen B. Johnson, University of North Dakota, Computers and the Practice of Psychology

Joel Hagen, Radford University, Computers as Scientific Instruments in Structural and Evolutionary Biochemistry

Robert W. Seidel, University of Minnesota, High Energy Physics and High Speed Computing

*Commentator: & Chair TBA

Cutting-Edge Chemistry: Some 19th-century Russian Contributions

Session sponsored by Mendeleev Interest Group

Nathan M. Brooks, New Mexico State University, N.N. Zinin and Synthetic Dyes: The Road Not Taken

David E. Lewis, University of Wisconsin, Eau Claire, Zinc Alkyls in Synthetic Organic Chemistry: Cutting-Edge Chemistry at Kazan

Masanori Kaji, Tokyo Institute of Technology, D.I. Mendeleev and the Concept of Chemical Elements

*Karl E. Rice, James Madison University, Hydrating Ions in St. Petersburg and Moscow, Ignoring Them in Leipzig and Baltimore

Commentator: & Chair TBA

The Enduring Search for Mechanisms

Peter K. Machamer, University of Pittsburgh, Origins of Science as Mechanisms

Jeffry L. Ranissey, Oregon State University, Interpreting the ‘Mona Lisa’ of Chemical Reactions: Explanation, Mechanism and Methodological Values

*Lindley Darden, University of Maryland, College Park, The Mechanism of Protein Synthesis in the 1950s–1960s: Biochemists vs. Molecular Biologists

Carl Craver, Florida International University, Discovering Long Term Potentiation

Commentator: Naomi Oreskes, University of California, San Diego

Chair: Philip Pauly, Rutgers University

Intersections and Contentions in 17th-century Science

Nicole C. Howard, Indiana University, Beyond Artificial Wings: A Reassessment of Hooke’s Role in the History of Physiology

Fokko Jan Dijksterhuis, University of Twente, Once Snel breaks down: From Geometrical to Physical Optics in the Seventeenth Century

Prasanta S. Bandyopadhyay and Gordon Brittan, Jr., Montana State University, Gingerich’s Kepler: What is Wrong with his Historiography of Science?

Matthew L. Jones, Harvard University, Accounting for Circle and Self: Leibniz and his Arithmetical Quadrature of the Circle

Alberto Guillermo Ranea, Universidad Torcuato Di Tella, Galileo’s Authority and its role in 17th-century Natural Philosophy

Chair: TBA

Alternative Approaches in the Biological Sciences

Kalevi Kull, University of Tartu, A Case of Anancas: Nomogenetic School in Biology

Sabine Brauckmann, University of Muenster, Fields and Open Systems, or Two Models of Theoretical Biology

Elena A. Aronova, Institute for History of Science and Technology, Russian Academy of Sciences, Lamarckism, Neodarwinism, and Plant-life: Interpreting Experiments in the Studies of Experimental Evolution

Stephanie Castonguay, Cornell University, Crop Protection, Agricultural Sciences and the Fundamentalization of Applied Biology

Chair: TBA
Poster Competition

In response to the demand for pre-college-level teaching materials in the History of Science, the HSS Committee on Education is initiating an annual poster competition for undergraduate students. Undergraduates, singly or in teams, will design posters on history of science themes, suitable for classroom display in K-12 classrooms and as supplemental learning tools for teaching science.

Posters will be judged by a subcommittee of the CoE on originality of theme and expression and appropriateness for a K-12 audience. Winning entries will be produced professionally and distributed through the National Science Teachers Association.

Entries for the 1999 competition are due December 31, 1999, with winners notified by January 30, 2000. Winners will be honored at the 2000 meeting of HSS, and winning entries will be on display. There will be three prizes awarded, of $250, $150, and $100, with matching prizes for the winning instructors.

Professors are urged to incorporate the poster competition into their curricula for next fall's classes in the history of science. It could be an extra-credit assignment, an option to replace a written assignment, a small-project project — there are many ways a poster project could be a rewarding learning experience for undergraduates. Only one entry will be accepted from each institution, so an internal competition to determine the entry is a prerequisite.

Questions? Detailed guidelines are available from Anita Guerrini, coordinator of the poster competition, Environmental Studies Program, University of California, Santa Barbara, CA 93106, guerrini@humanitas.ucsb.edu. Guidelines will also be posted on the Committee on Education section of the HSS web site.

History of Physics Syllabi on the Internet. Call for Syllabi.

As an aid to teaching and studying the history of physics, and as an introduction to the vast literature in the field, the Center for History of Physics of the American Institute of Physics has put together a collection of syllabi. With the kind permission of their authors, sample syllabi are exhibited on the internet at http://www.aip.org/history/syllabi/. They feature courses taught at a variety of universities, including "Scientific Revolution," "History of Modern Physics," "Nuclear Age," "Science after WW II," and "Historical Experimentation." If you are teaching a course on the history of physics or a related science, please visit our homepage and send us your comments. And please send a copy of your syllabus or reading list, in any paper or electronic format.

Alexei Kojevnikov and Spencer Weart
Center for History of Physics
American Institute of Physics
One Physics Ellipse
College Park, MD 20740 USA
chp@aip.org

Osiris: Call for Proposals

The Osiris Advisory Board will consider proposals for Volume 18, to appear in 2003, at the Society's annual meeting in November 1999. Volumes in progress, or to appear shortly, include: historical commemorations and memory; science and technology in East Asia; 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 Bromann of the University of Wisconsin. Prospective guest editors should submit the following materials for consideration:

1) a proposal of approximately 2000 words describing 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. of guest editor(s). Guest editors and their contributors should be prepared to conform to the Osiris publication schedule. Volume 18 (2003) will go to press—after refereeing, author's revisions, and copy editing—in the fall of 2002. Guest editors must therefore choose contributors who are able to submit their essays by the late fall of 2001. 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 1 October 1999 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: kolesko@gusun.georgetown.edu.

New HSS Dibner Postdoctoral Fellow

Amy C. Crumpton has been appointed the 1999–2000 History of Science Society Dibner Postdoctoral Fellow. Since March 1998, she has been a program associate and research archivist with the American Association for the Advancement of Science, responsible for the reorganization and maintenance of the association's archives. From September 1997 to February 1998, she was an associate curator of a retrospective history exhibit for the AAAS 150th anniversary meeting. Prior to earning her PhD in science and technology studies from Virginia Tech, she was a project coordinator with the AAAS Scientific Freedom and Responsibility Program, from 1987 to 1992, and worked on issues concerning science and ethics as well as served as managing editor of the program's newsletter, Professional Ethics Report.

As a History of Science Society Dibner Postdoctoral Fellow, Dr. Crumpton will investigate AAAS's role in defining and redefining the concept of "science and society" that has influenced the association's educational and programmatic missions to advance science. Particularly, she will develop a brief critical history of the AAAS Committee on Science in the Promotion of Human Welfare, chaired by notable scientists such as Barry Commoner and Margaret Mead, and the committee's attempt during the 1960s to infuse the association with more socially active policy positions.
History of Science in Non-Western Traditions
Douglas Allchin, University of Texas, El Paso

In recent years all disciplines and all levels of education have recognized the increased significance of Non-Western perspectives. HSS has now published a brief volume that aims to introduce the pursuit of science in Non-Western traditions through a series of brief essays and reading lists, in the style of a richly annotated course syllabus. It is an outline and guide to resources (not a text), in the spirit of Brush's Guide to the Second Scientific Revolution.

There are contributions on China, India, Latin America, Native America, Australia and the Pacific, and Japan. This small volume should prove useful to seasoned historians of science, as well as to graduate or undergraduate students in the history of science who want to expand their repertoire. In addition, it will serve ethnic/minority students who want to deepen their knowledge of science in a particular tradition and science teachers at all levels who want to engage students in the humanistic dimensions of science. Each chapter begins with an introduction that addresses the scope, noteworthy scientific achievements and major figures in each particular tradition. Listed, too, are major references that might serve as recommended first purchases for those who plan to pursue the topic in more depth. This list is coupled with a list of major sources for addressing current scholarship: significant journals, newsletters, Web sites, listers, study centers, or professional organizations where someone can update the sources on the reading lists, review the latest research, or contact persons in the field.

Each chapter then presents a six-day "syllabus" with a brief synopsis for each day's theme or focus. Each day includes a list of student readings: approximately 1.5 hours of introductory material. There is also a listing of recommended extended reading for the student or teacher interested in pursuing the topic in more depth. Where appropriate, audio-visual materials are mentioned, along with suggested topics for further research.

The volume is not exhaustive, but aims to supplement widely available resources. Hence, it highlights, for example, the astronomy of the early Chinese, the navigational techniques of Pacific Islanders and the ancient medical knowledge of sub-Saharan Africans. By contrast, it omits Arabic science (though clearly non-European), already integrated into most narratives of Western science. Similarly, the volume includes contemporary science in many other non-European regions, such as Latin America and Japan, even though science there may follow a "Western" model. In addition, the adoption or integration of Western science in cultures where it did not originally develop often poses striking issues about power, culture, and how each of these affects how science is done. The reader will find plenty of material to debate the very definitions of "Western," "non-Western," and "science."

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Please make check or money order payable (in U.S. dollars) to the History of Science Society, HSS Executive Office, Box 351330, University of Washington, Seattle, WA 98195-1330. Phone (206) 543-9366; Fax (206) 685-9544.
Increased Funding at NSF
Michael Sokal, NSF

Recent budgetary decisions at the National Science Foundation will increase the FY99 base budget of the Science & Technology Studies Program — which supports research and training in history, philosophy, and social studies of science and technology — by 7.47% over its FY98 base. (The modal increase experienced by other programs within the NSF Division of Social and Economic Sciences, in which the STS Program now finds itself, was under 2.0%.) Once all internal NSF budgetary adjustments have been made, the STS Program will make grants totaling more than $3.4 million in this fiscal year.

The decision to raise the STS budget so significantly derived from several considerations. First, in recent years the Program experienced a major increase in the number of proposals submitted by STS researchers. Excluding dissertation and workshop proposals, supplement requests, and similar matters, these numbers rose from 80 in FY96 and 68 in FY97 to 107 in FY98. This increase led to a significant decline in the Program's "success rate," which went from 44% in FY96 and 53% in FY97 to 35% in FY98. Second, all involved in the review of these proposals agreed that the increased number came at the "upper end of the quality distribution," so that the number of otherwise fundable proposals that the Program could not support rose sharply. This major budget increase is designed to begin, at least, to address this problem.

The Program's fiscal year includes two "review cycles," with annual "target dates" of 1 February and 1 August. It thus hopes to receive an even greater number of proposals later this summer. The formal STS Program Announcement is most readily available on the World Wide Web, at www.nsf.gov/sbe/sber/sts. This Web site provides direct links to NSF’s "Grant Proposal Guide" and other resources for potential applicants.

Since 1973, the STS Program and its predecessors have been overseen successively by Ronald J. Overmann (1973–1995) and Edward J. Hackett (1995–1998). The current STS Program Officer (who will serve through August 2000) is Michael M. Sokal, who may be reached at msokal@nsf.gov and (703) 306-1742.

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HSS Sponsor-a-Scholar Program

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Please make check or money order payable in U.S. dollars to the History of Science Society. Send to HSS Executive Office, University of Washington, Box 351330, Seattle, WA 98195, USA.

For further information about this program, please contact the HSS Executive Office at 206-543-9366, or email: hssexec@u.washington.edu.

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Thanks to those HSS members who have participated in the Sponsor­a-Scholar Program in 1999!

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**New History of Physics Exhibits on the Internet**

“Werner Heisenberg / Quantum Uncertainty,” and “Andrei Sakharov: Soviet Physics, Nuclear Weapons and Human Rights,” two new historical exhibits on the World-Wide Web, have been announced by the Center for History of Physics of the American Institute of Physics. The exhibits are designed to be useful for educational purposes to a wide spectrum of audiences including high-school and college students, teachers, scientists and historians. Besides many outstanding photographs and other illustrations, both exhibits include supplementary documentation and clips of the physicists’ voices. They add to the Center’s existing award-winning exhibits “Albert Einstein, Image and Impact” and “The Discovery of the Electron,” and can all be accessed from the Center’s homepage: http://www.aip.org/history/.

Heisenberg (1901–1976), one of the greatest physicists of the twentieth century, is best known as a founder of quantum mechanics and especially for the uncertainty principle in quantum theory. He also played a controversial role as a leader of Germany’s nuclear fission research under the Nazi regime. After World War II he was active in elementary particle physics and West German science policy. All these topics are covered in the exhibit written by professor David Cassidy of Hofstra University, the author of the major biography Uncertainty: The Life and Science of Werner Heisenberg (1992).

Sakharov (1921–1989), the Soviet physicist who became, in the words of the Nobel Peace Committee, a “spokesman for the conscience of mankind,” was fascinated by fundamental physics and cosmology. He came to be regarded as the father of the Soviet hydrogen bomb, contributing perhaps more than anyone else to the military might of the USSR. But gradually Sakharov became one of the regime’s most courageous critics, a defender of human rights and democracy. He could not be silenced, and helped bring down one of history’s most powerful dictatorships. The exhibit, which includes numerous photos provided by Sakharov’s family, is authored by Dr. Gennady Gorelik, who is currently working on a scholarly biography of Sakharov.

Several historical exhibits are in the planning stage, including ones on Marie Curie, Max Planck and the quantum, and twentieth-century cosmology. The Center invites comments on the existing exhibits and encourages historians to consider cooperating and using our services for additional projects in their areas of expertise. (See the Web site for contact information.)

**Spring Semester Folger Institute Seminar**

Pamela O. Long will be directing a seminar at the Folger Shakespeare Library next spring entitled “Mechanical Arts, Natural Philosophy, and Visual Representation in Early Modern Europe.” This seminar will examine the visual construction of the “natural” and the “real” through a study of such concepts as “illusionism,” “symbolism,” and “representation” in the fourteenth through seventeenth centuries. Ways in which visual images function in relation to texts will be explored in the works of Leonardo da Vinci, Vesalius, Galileo, Helvetius, Robert Boyle, and Robert Hooke, among others. Throughout, the central focus will be the cultural status of visual representation and the changing ways in which it is used to construct and legitimate knowledge about the world, but seminar participants are encouraged to find their own connections to this topic. Scholars with backgrounds in history, history of science and technology, literature, and art history are especially welcome to apply.

This seminar is scheduled to meet on Friday afternoons from 1–4:30 p.m., 28 January through 14 April, except 24 March 2000 and one other date TBA. For more detailed information about this and other Folger Institute seminars for the 1999–2000 academic year, and for a copy of the Folger application form, see http://www.folger.edu/institute/nintro.cfm.
Jill E. Cooper has been awarded a post-doctoral fellowship at the Science at Connecticut College, has received a year-long fellowship at Rachel University. This historical and philosophical work on the choice and use of the "Conversion" and Community with Laboratory the Shelby Cullom Davis Center for Historical Studies at Princeton University. Cooper joined the Institute staff in the fall of 1998 after successfully defending her dissertation, "Of Microbes and Men: A Scientific Biography of Rene Jules Dubos," at Rutgers University.

Menso Folkerts, Director of the Institut für Geschichte der Naturwissenschaften, University of Munich in 1998 was elected Corresponding Member of the Sächsische Akademie der Wissenschaften in Leipzig and in 1999 Ordinary Member of the Bayerische Akademie der Wissenschaften in Munich.

Stephen G. Brush, Distinguished University Professor of the History of Science, University of Maryland, College Park has been awarded a Guggenheim Fellowship Award for his work on a comparative study of theory evaluation in different sciences. Brush received this award for his work on the early history of human dissection.

Jill E. Cooper has been awarded a post-doctoral fellowship at the Institute for Health, Health Care Policy, and Aging Research in New Brunswick, New Jersey. Cooper joined the Institute staff in the fall of 1998 after successfully defending her dissertation, "Of Microbes and Men: A Scientific Biography of Rene Jules Dubos," at Rutgers University.

Matthew Klingle’s "Plying Atomic Waters: Lauren Donaldson and the 'Fern Lake Concept' of Fisheries Management" won the 1997-1998 Alice Hamilton Award from the American Society for Environmental History. This biennial award is given to the best article in environmental history published outside of the society’s journal, Environmental History. The article appeared in the Spring 1998 issue of the Journal of the History of Biology (v. 31, no. 1, pp. 1-32).

William Royall Newman, Professor of History and Philosophy of Science, Indiana University, Bloomington has been awarded a Guggenheim Fellowship Award for his work on Daniel Sennert and early modern matter theory.

Michael A. Osborne and Anita Guerrini have been jointly appointed to be the first participants in a new exchange program between the University of California, Santa Barbara and the Centre Nationale de Recherche Scientifique in France. They will be resident at the Center Alexandre Koyré in Paris during the 1999-2000 academic year.

Katharine Park, who is Samuel Zemurray, Jr., and Doris Zemurray Stone Radcliffe Professor of the History of Science and Women's Studies, Harvard University has been awarded a Guggenheim Fellowship for her work on the early history of human dissection.

Robert N. Proctor has received a Fulbright Scholar award for 1999/2000; he will spend the year at the Max Planck Institut für Wissenschaftsgeschichte in Berlin. His book, The Nazi War on Cancer
Awards, Honors & Appointments

Nicolas Rasmussen, in recognition of his book Picture Control: The Electron Microscope and the Transformation of Biology in America, 1940-1960, was awarded the Paul Bunge Prize of the Bans R. Jenemann Foundation. He received the prize, endowed with DM 10,000, on May 14, 1999 on occasion of the 98th General Meeting of the German Bunsen Society for Physical Chemistry (Deutsche Bunsen-Gesellschaft für Physikalische Chemie e.V., DBG) in Dortmund, Germany. The Bans R. Jenemann Foundation is administered by the German Chemical Society (Gesellschaft Deutscher Chemiker e. V., GDCh) and the DBG. The Paul Bunge Prize is the world’s largest prize for research in the field of the history of scientific instruments.

Michael Riordan, Assistant to the Director, Stanford Linear Accelerator Center, California; Adjunct Professor of Physics, University of California, Santa Cruz has been awarded a Guggenheim Fellowship for his work on the rise and fall of the Superconducting Super Collider.

Londa Schiebinger’s new book, “Has Feminism Changed Science?,” has been published by Harvard University Press. She was awarded a Humboldt Forschungspreis to work at the Max-Planck-Institut für Wissenschaftsgeschichte on her new project, “Gender in the Voyages of Scientific Discovery.”

Michele Thompson, Southern Connecticut State University, has been awarded a grant from the Connecticut State system to cover her research expenses in Vietnam this summer.

West Coast History of Science Society Meeting
Anita Guerrini, University of California, Santa Barbara

The West Coast History of Science Society met on the weekend of April 24-25 at the Cliff House, University of California, Santa Barbara. About 30 participants managed to tear their gaze away from the surfers and pelicans outside the window to focus on a variety of papers on topics ranging from the Enlightenment to the “X-files session” on Cold War paranoia. A workshop on publishing featured Richard Hecht, co-chair of the UC Press Publications Board. Plenary speaker Aharon Gibor, professor emeritus of biology at UCSB, delighted the audience with his witty and opinionated “Memoirs of the Birth of Molecular Biology.” John Cloud of UCSB won the prize for best graduate student paper for his “The Oil Spill and the Spy Plane: An Episode in the Clandestine Origins of Earth Science.”

The 2000 meeting will be held at UC-Davis. Incoming president of the WCSS is Robert G. Frank, Jr. of UCLA. The WCSS was preceded on April 23 by the 3rd joint UC-Stanford History of Science Workshop, which featured informal panels on “Colonial Milieux,” and Daston and Park’s Wonders and the Order of Nature. The afternoon was devoted to demonstration of web-based technologies in STS by Tim Lenoir and the team of Adrian Johns, Kevin Knox, and Alison Winter.

Bartlesville, Oklahoma was the site of the 1999 meeting of the Midwest Junto for the History of Science. On April 9-11 historians and philosophers from seven midwestern states, as well as from Newfoundland, Massachusetts, Colorado, and Texas gathered at the Hotel Phillips to share ideas, research, food, and friendship.

The meeting began on Friday evening with a tour of the Phillips Petroleum Company’s corporate archives, followed by a party. On Saturday morning, the 1998-99 Junto president Dick Overfield opened the formal sessions, which included fifteen individual presentations on a diverse range of topics. Participants spent the lunch break at the Woolaroc Museum and Wildlife Preserve and at Frank Lloyd Wright’s only skyscraper, the Price Tower (pictured above). After the afternoon papers, the meeting moved to a champagne reception at the historic Frank Phillips Home, followed by a banquet at the conference hotel.

Sunday morning’s sessions concluded with a lively roundtable discussion led by 1999-2000 Junto president Eliseo Fernandez. This new feature will probably be continued next year. Other 1999-2000 Junto Council members are David Robinson, Amy Bix, Peter Barker, and Marilyn Ogilvie.

The weekend was graced by perfect spring weather, enhancing the relaxed and friendly atmosphere which is so characteristic of Junto meetings. The papers were well presented and well received. We look forward to next year’s meeting in Kansas City.

Copies of the 1999 Junto program, abstracts, and/or papers can be obtained from Marjorie Malley, 1396 Lindsay Lane, Bartlesville, OK 74003; phone 918-336-4537; e-mail mcjmjh@galstar.com.

John Von Neumann’s brother and biographer, Nicholas A. Vonneuman, author and publisher of John Von Neumann as seen by his brother, professorial lecturer at universities in the USA, Brazil, and Hungary on “The Philosophical Legacy of John Von Neumann,” would like to have re-edited and republished his book in fully implemented, polished, and illustrated form by a commercial or academic publisher, potentially with the assistance of a co-author. Interested parties please contact Mr. Vonneuman directly: Nicholas A. Vonneuman, 1396 Lindsay Lane, Meadowbrook, PA 19046-1833 USA, E-mail: NicholasAVon@webtv.net, Phone: (215) 886-6244, Fax: (215) 886-2899.
Introduction of Dr. Cristina Chimisso and of the new George and May Sarton Fellowship, May 12, 1999, American Academy of Arts and Sciences

Gerald Holton, Harvard University

The American Academy, during its more than two centuries of existence, has not been overly zealous—unlike other professional organizations—to distribute an abundance of different awards. We seem to have on our books just four types of these. But tonight, at a time when on the whole there is not all that much to be joyful about, let us celebrate the inauguration by the Academy of a new and quite special award, the George and May Sarton Fellowship.

This has been made possible by the action of May Sarton, the widely beloved poet, author of about fifty books, and one of our own Fellows, who died four years ago. In a codicil to her Will, she set up The Sarton Fund, endowing it with her whole Estate. She also specified that the Academy, being equally devoted to the Arts and Sciences, administer the generous proceeds given to it by the Fund to assure the distinguished Fellowship in perpetuity. After a rigorous selection process, the Fellowship is given every few years to a young historian of science, starting now; and between those years, an equivalent award is made to a young poet.

May Sarton's desire to support historians of science of course reflected her intention to honor the memory of her father George, whom we all know also as the father of the whole field of history of science in its modern form.

With the name of two such stars on the new Fellowship, the organizing group which the Academy called together just a year ago knew it had the unique opportunity, nay duty, to make this award become the premier occasion for recognizing new stars and new future leaders of the respective fields.

After the announcement last year, the Academy received eighteen serious applications, with all the usual documentation. Yet, the Selection Committee, which included the historian of science Mary Jo Nye (also a past President of the History of Science Society) and Professor Rosemary Stevens of the University of Pennsylvania, found it had a relatively easy task. There were many strong candidates, but one clear and unanimous first choice—Dr. Cristina Chimisso.

I was told I must be very brief, so I have to forgo quoting all the enthusiastic commendations in her supporting letters and from the results of reading her work so far. But I must mention at least a few facts about our honoree.

She began to show discriminating taste by being born in Perugia, Italy; in due course getting her PhD, three years ago, at the University of Cambridge, with a thesis on the philosophy of Gaston Bachelard and the intellectual milieu of France in the inter-war years—all while making ends meet by supervising students at Cambridge on Kant, Hegel, and Heidegger. Then she converted her thesis into a book, now in press, while a Fellow at the Max Planck Institute in Berlin. She is now associated with the London School of Economics Center for Philosophy of Science, working on her new book.

At this point we come upon an almost uncanny part of this brief account. Her new book is on the work of the French historian and philosopher of science, Hélène Metzger. If George Sarton was a father of the modern history of science, Hélène Metzger was a mother of that same field; and of course she knew the Sarton family well.

Born in 1889, she lived to publish eight books, starting with her 1918 PhD thesis on the origins of crystallography; she wrote also on Newton's chemistry, on the chemical doctrine in France from the 14th century to Lavoisier, a book that won the Binoux Prize of the Académie des Sciences. Yet, in recent decades her important contributions have somehow been rather neglected.

I have found only one photography of Dr. Metzger. It show her smiling, but there is a darkness in the picture which almost presages the tragedy to come. In February 1944, while in Lyon, she was arrested, and transported in Convoy #69, together with about 1500 women, men and children, to Auschwitz. There, almost all of them were immediately killed. We do not even know whether Metzger survived the long journey.

One of the places where Hélène Metzger's spirit still lives is in her large correspondence with George Sarton, which is kept at the Houghton Library at Harvard University, where Dr. Chimisso will spend much of the summer doing research. She will find there that one of the last letters written by Metzger to George Sarton, not long before her death, ends with a very special greeting to his daughter, May.

So it may come about that Dr. Chimisso's work under this award not only will give us a scholarly study on a long-neglected pioneer of the history of science, but also may throw new light on those towering figures who, together, are enshrined in the very name of the new Fellowship.
The Dibner Institute for the History of Science and Technology invites applications to its two fellowship programs for the academic year 2000-2001: 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 1999-2000, are provided with the application forms. The deadline for receipt of applications for 2000-2001 is December 31, 1999. Fellowship recipients will be announced in March, 2000. 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
E-mail: DIBNER@MIT.EDU
DIBNER INSTITUTE NAMES RESIDENT, VISITING and POSTDOCTORAL FELLOWS for 1999-2000

The Dibner Institute for the History of Science and Technology is pleased to announce the appointments of the Dibner Institute Fellows for 1999-2000. The Institute has appointed nineteen Senior and eleven Postdoctoral Fellows. They come from several nations and pursue many different aspects of the history of science and technology.

The following nineteen persons have been appointed as Dibner Institute Senior Fellows:

Davis Baird, Associate Professor in the Department of Philosophy, University of South Carolina, is the author of Inductive Logic: Probability and Statistics (1992) and the 1998 article, "Encapsulating Knowledge: The Direct Reading Spectrometer." At the Dibner Institute he plans to complete a manuscript, "Instrument Knowledge: A Philosophy of Scientific Instruments" and begin research on Baird Associates, a company that developed and manufactured scientific instruments, founded by his father in 1936.

Bernadette Bensaude-Vincent, Professor at Université Paris X, is the author of Elégie du Miest. Materiaux Nouveaux et Philosophie Ancienne (1998) and Lavoisier, Mémoires d'une Révolution (1993). In 1997 she received the Dexter Award for outstanding achievement in the history of chemistry. The project she will be working on at the Dibner Institute is titled "Nature and Artifact in Chemical Industries, 1900-2000."

Christine Blondel is Chargé de Recherche at the Centre National de la Recherche Scientifique (CNRS), France. She is the author of Histoire de l'électricité (1994) and, with A. C. Vauge, Repertoire de l'histoire des sciences et des techniques en France (1994). At the Dibner Institute she will be working on a project about the history of electricity in France from the 1770s-1914 titled "French Amateurs in Electricity at the End of the Eighteenth Century."

David Bloo, Professor at the University of Edinburgh, Scotland, and Director of its Science Studies Unit, is the author of Wittgenstein, Rules and Institutions (1997) and Knowledge and Social Imagery (1991). During his visit at the Dibner Institute he plans to test Sir Frederic Bartlett's 1932 case study, "Remembering", in which Bartlett claims that different national groups produce culturally and nationally specific forms of technological devices. He will concentrate on sound-locator equipment as developed by the Germans, the British, the French, and the Americans.

William Brock, Emeritus Professor of History of Science, the University of Leicester, UK, is the author of Justus von Liebig: The Chemical Gardekeeper (1997) and The Fontana History of Chemistry (London 1992), issued as The Norton History of Chemistry (New York 1993). At the Dibner Institute he will continue his research for a book with the working title, "Sir William Crookes (1832-1919) and the Business of Science."

Kenneth Caneva, Professor of History at the University of North Carolina at Greensboro, is the author of the volume, Robert Mayer and the Conservation of Energy (1993) and the 1998 article, "Colding, Orsted, and the Meanings of Force." Professor Caneva's project while at the Dibner Institute is tentatively titled "The Reconstruction of Scientific Knowledge: From Personal Conviction to Collective Acceptance."


Jack Copeland, Professor at the University of Canterbury, Christchurch, New Zealand, is the author of Artificial Intelligence (1993) and the forthcoming volume, "Turing's Machines." For his work at the Dibner Institute he plans to continue a work-in-progress, titled "Synopsis of Turing's Machines; A Work in the History and Philosophy of Computation."


Ruth Giassner is a Senior Lecturer at Hebrew University, Jerusalem. She is the author of the book, A Fourteenth-Century Scientific-Philosophical Controversy: Jedidah ha-Penini's 'Treatise on Opposite Motions' and 'Book of Conflagration' (1998), as well as the article, "Gersonides' Lost Commentary on the Metaphysics." Her project at the Dibner Institute is titled "The Hebrew Supercommentaries on Aristotle's Physics."

Helen Lang is Professor and Chair of the Philosophy Department, Trinity College, Hartford, CT. She is the author of The Order of Nature in Aristotle's Physics: Place and the Elements (1998) and Aristotle's Physics and Its Medieval Varieties (1992). She will be doing research at the Dibner Institute for a project titled "Place and Extension: The Problems and Language of Ancient Physics."

Wenlin Li is Research Professor at the Institute of Mathematics, Academia Sinica, Beijing, China. He is the author of Highlights of Classics of Mathematics (a source book in Mathematics) (1998) and, with Li Xiaxin, et al. On Science as System (1995), and the article, "Göttingen's Influence on the Development of Mathematics in East Asia." At the Dibner Institute he will continue his investigations into mathematical exchanges between China and western countries by exploring the transmission of mathematical knowledge between the United States and China.

At the Dibner Institute she will continue to work on her NSF-sponsored research project, “Culture in Cognition: Toward a Integrative Analysis of Representation in Science.”


Lawrence Principe, Associate Professor, Johns Hopkins University, is the author of The Aspiring Adept: Robert Boyle and His Alchemical Quest (1998) and the forthcoming article, “The Alchemies of Robert Boyle and Isaac Newton: Alternate Approaches and Divergent Deployments” in the volume, In Canonical Imperatives: Rethinking the Scientific Revolution, edited by Margaret Osler. At the Dibner Institute he will continue his collaboration with William Newman exploring the importance of experiment in seventeenth-century alchemy and the influence of George Starkey on Robert Boyle.

Gregor Schiemann is Assistant Professor at Humboldt Universität, Institut für Philosophie, Berlin. He is the author of Wahrheitsgewissheitserwerb. Herrmann von Helmholtz' Mechanismus im Anbruch der Moderne. Eine Studie zum Übergang von Klassiker zu moderner Naturphilosophie (1997) and the editor, with Michael Hauskeller and Christoph Rehmann-Sutter, of Naturerkennnis und Natursein (1997). The title of his research project while at the Dibner Institute is “Aristotle and Descartes’ Concept of Nature and the Transformation of Psychology in the 16th and 17th Centuries.”

Ana Simões is Assistant Professor in the Department of Physics, University of Lisbon, Portugal. She is the author, with Ana Carneiro and Maria Paula Diogo, of “Constructing Knowledge, Eighteenth-Century Portugal and the New Sciences” and, with Kostas Gavroglu, of “Different Legacies and Common Aims: Robert Mulliken, Linus Pauling and the Origins of Quantum Chemistry.” At the Dibner Institute she will be working on two projects. The first is the completion of a history of quantum chemistry, written with Kostas Gavroglu, tracing the development of the field of quantum chemistry from the 1920s–early 1950s and the communities of quantum chemists in the United States, Germany, and the United Kingdom. The second project is a biography of José Correia da Serra (1750–1823), a Portuguese man of letters, diplomat, Freemason, and botanist.

John Stillwell, Associate Professor of Mathematics, Monash University, Victoria, Australia, is the author of Numbers and Geometry (1998) and Elements of Algebra: Geometry, Numbers, Equations (1994). At the Dibner Institute he plans to write a book on “Exceptional Objects” and their role in the history of mathematics.

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

Luca Ciancio received his Ph.D. at the University of Florence. He is the editor of A Calendar of the Correspondence of John Strange F.R.S. (1732–1799) (1998) and the author of Autopsie della Terra. Illuminismo e geologia in Alberto Fortis (1741–1803) (1997). His project at the Dibner Institute is titled “Interpreting the Temple of Serapis. A Case-study in the Relationship between Geology and Antiquarianism (1750–1830).”


Michael Gorman completed the work for his Ph.D. at the European University Institute, Florence, Italy. He has written several articles, now in press, including “Mathematics and Modesty in the Society of Jesus: The Problems of Christoph Grienberger,” to appear in Archimedes and “From the ‘Eyes of All’ to Usefull Quarries in Philosophy and Good Literature: Consuming Jesuit Science 1600–1669,” to appear in the book, The Jesuits: Culture, Learning and Arts. For his research proposal at the Dibner Institute he plans to conduct a reappraisal of the origins of Jesuit science practice against the background of the ‘science policy’ of the Jesuit order.

Christophe Leclerc, a recipient of the Ph.D. from Stanford University, is the author of the articles “University-Industry Relations during the Progressive Era: The Case of MIT” and “Instrument Makers and Discipline Builders: The Case of NMR.” The title of his research project at the Dibner Institute is “From the Lab to the Fab: Physics Research, Manufacturing Practice, and Ion Implantation at High Voltage Engineering Corporation and Fairchild Semiconductor, 1962–1978.”

Massimo Mazzotti, is a Ph.D. candidate at the University of Edinburgh, Scotland. He is the author of the following forthcoming articles: “The Geometers of God. Mathematics and Reaction in the Kingdom of Naples” and “L’immagine della scienza nel ‘Bullettino’ di Baldassarre Boncompagni (1868–1887).” His research project at the Dibner Institute is titled “Conservative Thought and Scientific Knowledge: A Socio-Historical Perspective.”

Jutta Schickore, a Postdoctoral Fellow at the Max-Planck Institut, Berlin, is the author of the articles, “Sehen, Sichtbarkeit und empirische Forschung” and “Theoriebeladenheit der Beobachtung: Neubesichtigung eines alten Problems.” She will work at the Dibner Institute on a project titled “Constructive Constraints: Exploring Errors and Pirifalls in Microscopy.”


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

Arne Hessenbruch is the editor of the forthcoming "Reader's Guide to the History of Science," and author of "The Spread of Precision Measurement in Scandinavia 1660–1800." At the Dibner Institute, his project is a book titled "Scientific Quantification and Money."

Klaus Staubermann completed his dissertation, "Controlling Vision—The Photometry of K.F. Zöllner" at Cambridge University, UK. For his work at the Dibner Institute, he will analyze the scientific practice of three leading astrophotometers, G. Müller at Potsdam, E. Pickering at Harvard, and C. Pritchard at Oxford.

Benno van Dalen was an Alexander von Humboldt Foundation Fellow at the Institut für Geschichte der Naturwissenschaften, Frankfurt. He is the author of "A Statistical Method for Recovering Unknown Parameters from Medieval Astronomical Tables" and "On Ptolemy's Table for the Equation of Time." At the Dibner Institute, he has started work on a manuscript tentatively titled "The Activities of Muslim Astronomers in China During the Mongolian Yuan Dynasty (1260–1368)."

### DIBNER INSTITUTE NAMES SEVEN GRADUATE STUDENT FELLOWS FOR 1999–2000

The Dibner Institute for the History of Science and Technology is pleased to announce that fellowship awards have been made to eleven Ph.D. candidates enrolled in programs at three Dibner Institute consortium-member institutions: the Dibner Institute's host institution, the Massachusetts Institute of Technology; Boston University; 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.

**Babak Ashrafi**, MIT, received an S.B. in Physics and Mathematics from MIT and a Ph.D. in Physics from the State University of New York at Stony Brook. He is studying the efforts in the 1930s and 1940s to write a relativistic version of quantum mechanics for his thesis, "From Relativistic Electrons to Quantum Fields."

**David Kaiser**, Harvard University, has been working in a "double" Ph.D. program. In 1997 he defended his dissertation, "Post-Inflation Reheating in an Expanding Universe," for the Department of Physics, and he is preparing a second dissertation for the Department of the History of Science. This work is titled "Making Theory: Training American Theoretical Physicists in an Age of Big Science, 1948–1969." He graduated summa cum laude from Dartmouth College with a major in Physics.

**Matthew Jones**, Harvard University, received an M. Phil. from Cambridge University and an A.B. magna cum laude from Harvard College with majors in History and Science. His dissertation is titled "The Aesthetics of Inference: The Mathematics of Descartes and Leibniz and the Dream of Systematic Public Knowledge in the Seventeenth Century."

**Robert Martello**, MIT, received a B.S. from MIT with a major in Earth, Atmospheric, and Planetary Science and an M.S. in Civil and Environmental Engineering. His dissertation, "Paul Revere's Last Ride: The Road to Rolling Copper," is a study of Paul Revere's lifelong technological education and his development, at the age of 65, of America's first copper rolling mill.

**Benjamin Pinney**, MIT, has received an M.A. in Architecture from Princeton University and the B.A. magna cum laude in Political Economy from Williams College. His dissertation is titled "Organizing Engineering Labor: A History of Project Management to 1970."

**Gerald A. Ward**, Boston University, received a B.A. and an ALM, summa cum laude in History of Science, Harvard Extension School. His dissertation is titled "From Merchant Adventurers to Merchants of Light: The Development of English Oceanic Commerce and New World Colonies and the Making of Bacon's Great Instauration."

**Timothy Wolters**, MIT, received an M.A. at the University of Maryland, and the B.A. magna cum laude in History/Computer Applications at the University of Notre Dame. The working title of his dissertation is "Carrier Aviation Policy and Procurement in the US Navy, 1936–1955."

### Jobs

We invite you to peruse our electronic site for listings of history of science-related job opportunities, fellowships and grants, and prizes. The following announcements have been edited for space. For a full description consult the HSS Web site at http://depts.washington.edu/hssexec. Notices are brought to the History of Science Society's attention between quarterly publication of the HSS Newsletter and some items are drawn (and often condensed) from a variety of sources. 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 via e-mail. Our mailing address is History of Science Society Executive Office, Box 351330, University of Washington, Seattle, WA 98195-1330. Our e-mail address is hssexec@u.washington.edu. Our fax is (206) 685-9544 and our telephone number is (206) 543-9366.

**University of Wisconsin-Madison**, Department of the History of Science, anticipates openings for one or more tenure-track assistant professorships, contingent upon funding. Areas of specialization: (1) History of the physical sciences since 1800; duties to begin in August 2000; (2) History of early modern science to 1750; duties to begin in January 2001 or August 2001. 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 proposed 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 as follows: for position (1) to Professor David Lindberg, Department of the History of Science, University of Wisconsin, 7143 Social Science Building, 1180 Observatory Drive, Madison, WI 53706-1393; for position (2) to Professor Thomas Broman at the same address. Inquiries may be addressed to Lindberg at dlindbe@facstaff.wisc.edu; or to Broman at thbroman@facstaff.wisc.edu. Deadline for application: 4 October 1999.
Jobs, Fellowships, Grants & Prizes

Review of applications will begin 4 October, to identify candidates to be interviewed at the History of Science meeting in Pittsburgh, 4–7 November. Unless confidentiality is requested in writing, information regarding the applicants must be released upon request. Finalists cannot be guaranteed confidentiality. UW-Madison is an AA/EOE.

The University of Minnesota, Twin Cities campus, invites applications for an Assistant Professor or Associate Professor position beginning September 2000, with specialty in the history of modern physics. Principal duties involve research and teaching, including the introductory survey in the history of science. Candidates should be able to teach and supervise research in both 19th- and 20th-century physics, to interact well with both scientists and historians, and must have completed all requirements for the Ph.D. by August 1, 2000. Applications must be received by October 15, 1999. Applicants should submit a vita, publications or samples of writing, and arrange for at least three letters of recommendation to be sent to: Chair, Search Committee, Program in History of Science and Technology, 148 Physics Building, University of Minnesota, 116 Church Street S.E., Minneapolis, Minnesota 55455. The University of Minnesota is an equal opportunity educator and employer.

Fellowships

The American Council of Learned Societies announces the availability of a small number of new Frederick Burkhardt Residential Fellowships for Recently Tenured Scholars engaged in long-term, unusually ambitious projects in the humanities and related social sciences. The ACLS will award approximately 9 Burkhardt Fellowships per year in this and the next two years to recently tenured humanists at institutions in the US and Canada; each fellowship carries a stipend of $65,000. (These new Fellowships are in addition to the 60 offered through the central ACLS Fellowship Program.)

Burkhardt Fellowships are intended to support an academic year (normally nine months) of residence at any one of nine national residential research centers. This year’s successful applicants may take up the fellowship in 2000–2001 or in either of the succeeding two academic years.

Proposals should show evidence of significant preliminary work already completed, and a plan of work, typically in the five-year range, to be carried out. Assurance will be required from the administrative leadership of the scholar’s home institution (Dean, Provost, or President) that the applicant is an especially promising member of its humanities faculty, and that the institution is prepared to make its own contributions beyond providing normal fringe benefits during the fellowship year—to assist the scholar in bringing the project to completion.

The overall structure of support would thus include: An academic year’s leave funded by ACLS under the new Burkhardt Fellowship program, with a stipend of $65,000 and residence at a major interdisciplinary center for advanced study, or national research library, with distinguished records of fostering significant scholarly accomplishment. To accommodate Fellows’ personal schedules, the participating residential centers and libraries have agreed to permit successful applicants to specify one of the succeeding three years for residency and to hold a place for them; applicants will be required to adhere to that schedule. (If the $65,000 stipend exceeds the Fellow’s normal academic year salary, the excess will be available for research and travel expenses.) Applicants to the current competition must normally have begun their tenured contracts on or after October 1, 1995; and a summer’s support (usually estimated at 2/9 salary) and/or equivalent reduction of teaching and administrative duties at some point in the post-Fellowship stage, funded by the home institution. You may request application forms for Burkhardt fellowships by any one of the following means: Mail: Office of Fellowships and Grants, ACLS, 228 East 45th Street, New York, NY 10017-3398; Fax: (212) 949-8058 E-mail: grants@acls.org; Web site: http://www.acls.org/ex-burk.htm.

In the administration and awarding of its fellowships and grants, the ACLS does not discriminate on the basis of age, gender, race or ethnicity, physical disability, marital status, sexual orientation, religion, or political affiliation. Applications are particularly invited from women and members of minority groups. Membership in a constituent society of the ACLS is not a requirement.

Institute for Advanced Study, announces Visiting Member awards for 2000–2001 in the School of Social Science. The School of Social Science each year invites as Members some fifteen to eighteen visiting scholars who constitute a genuinely interdisciplinary and international group. A completed doctorate or equivalent is required by the application deadline, and members are awarded at the junior and senior levels. Visiting Members are expected to pursue their own research, but the School organizes a weekly seminar at which Members as well as invited guests present their on-going work. Although the School is not wedded to any particular approach, it encourages social science with an historical and humanistic bent and entertains applications in history, philosophy, literary criticism, literature, and language, as well as in the traditional fields of social science.

The following focus is neither an exclusive nor excluding theme and will serve only as a limited part of the program. Scholars whose work is relevant to any aspect of the human sciences are urged to apply. In recent decades new technologies of information, communication, reproduction, and representation have been developed and introduced at an ever-increasing pace. New languages and visual practices have emerged for communicating with and among machines, as well as people, spawning, amongst other things, new techniques of control, forms of violence, warfare and entertainment, problems of regulation, and possibilities of resistance. The Internet has burgeoned at an unprecedented pace as a zone of economic activity, political action, and cultural transaction. There have been numerous claims, as well as great skepticism, about the revolutionary impact of these technologies. During 2000–01 we will be exploring the following sorts of questions: How far-reaching are the changes associated with new technologies? What challenges do they pose to established modes of thinking and acting? Are metaphors drawn from the worlds of computers and the logic of networks gaining explanatory weight in the social sciences and becoming models guiding practice? Generally: What is at stake for human societies in the changes associated with new technologies? And what is at stake for social science? We are especially interested in research that focuses on specific instances of technological change and its impact.

Fellowship support is provided by funds from private donors and foundations, the National Endowment for the Humanities, and the Institute for Advanced Study. Distribution of the grants among successful applicants is made by the School of Social Science. Applications from scholars with relevant concerns who have support of their own, in whatever form, are equally welcome. For information and application materials, write to the Administrative Officer, School of Social Science,
University of Pennsylvania Mellon Postdoctoral Fellowships in the Humanities 2000–2001. Five Mellon Postdoctoral Fellowships are available for untenured scholars whose Ph.D.s were awarded between 12/1991 and 12/1999. Research proposals are invited in all areas of humanistic study except educational curriculum-building and the performing arts, and should relate to the Penn Humanities Forum’s topic for the year: STYLE. Preference will be given to candidates whose proposals are interdisciplinary, who have not previously used the resources of the University of Pennsylvania, and who would particularly benefit from and contribute to its intellectual life. The Fellowship carries an annual stipend of $32,000. Completed applications and supporting materials must reach the Forum by OCTOBER 15, 1999. For further information and applications, visit the Forum online at http://wwwenglish.upenn.edu/~human or write to Wendy Steiner, Director, Penn Humanities Forum, 116 Bennett Hall, University of Pennsylvania, Philadelphia, PA 19104.

Prizes

AIP Center for History of Physics. The Center for History of Physics of the American Institute of Physics has a program of grants-in-aid for research in the history of modern physics and allied sciences (such as astronomy, geophysics, and optics) and their social interactions. Grants can be up to $2500 each. They can be used only to reimburse direct expenses connected with the work. Preference will be given to those who need funds for travel and subsistence to use the resources of the Center’s Niels Bohr Library (near Washington, DC), or to microfilm papers or to tape-record oral history interviews with a copy deposited in the Library. Applicants should name the persons they would interview or papers they would microfilm, or the collections at the Library they need to see; you can consult the online catalog at our Web site, http://www.aip.org/history, and please feel free to make inquiries about the Library’s holdings. Applicants should either be working toward a graduate degree in the history of science (in which case they should include a letter of reference from their thesis advisor), or show a record of publication in the field. To apply, send a vitae, a letter of no more than two pages describing your research project, and a brief budget showing the expenses for which support is requested to: Spencer Weart, Center for History of Physics, American Institute of Physics, One Physics Ellipse, College Park, MD 20740; phone: 301-209-3174, Fax: 301-209-0882 e-mail: sweart@aip.org. Deadlines for receipt of applications are June 30 and December 31 of each year.

The Millennium Award. The American Philosophical Society announces its first annual Millennium Award to be awarded November, 2000 for the best monograph accepted by the Society for publication in its Transactions series. The award amount is $5,000. Authors must have a doctorate. Subjects include all areas of history (history of science and medicine included), archaeology, anthropology, linguistics, ethnohistory, classics, paleontology. Deadline is December 1, 1999. Manuscripts should be no more than 250 pages, double-spaced and printed on one side and should be accompanied by a curriculum vitae and abstract. All manuscripts are subject to review by the Committee on Publications, Alexander G. Bearn, Chairman. Inquiries should be sent by e-mail to: Carole LeFaire-Rochester, Editor, CaroleAPS@aol.com. Send manuscripts to: Carole LeFaire-Rochester, Editor, American Philosophical Society, 104 South Fifth Street, Philadelphia, PA 19106.
Jack D. Pressman-Burroughs Wellcome Fund Career Development Award in 20th Century History of Medicine or Science. The award is for outstanding work in twentieth-century history of medicine or medical sciences as demonstrated by the completion of a Ph.D. and a proposal to turn the dissertation into a publishable monograph. The Ph.D. must have been completed and the degree granted within the last three years (1996-1999). The application must include a one-page summary of the proposed book; an account (not exceeding two pages) of the work required to make the dissertation publishable, and why; information on interest in publishing it from a specific press, together with any relevant letters from the press; a current cv.; a letter of support from the candidate’s dissertation advisor, and one additional letter of support. These materials should be submitted by October 15, 1999, to the Chair of the Pressman-Burroughs Wellcome Committee, Prof. Gerald N. Grob, Institute for Health, Health Care Policy and Aging Research, Rutgers University, P.O. Box 5070, 30 College Avenue, New Brunswick, NJ 08903-5070. A decision will be announced by April 1, 2000. The stipend will be $2,500. In keeping with the policy of the Burroughs Wellcome Fund, indirect charges or fringe benefits may not be charged against the award.

The Jerry Stannard Memorial Award. The Department of History, at the University of Kansas, announces the 2000 competition for the annual award in honor of the late Professor Jerry Stannard. The purpose of the award is to encourage research by young scholars in the fields that Professor Stannard made his own: namely, the history of materia medica, medicinal botany, pharmacy, and folklore of drug therapy before the 1700s. Each year a cash award will be made to the author of an outstanding published or unpublished scholarly study in those fields. In 2000 the award will be $600. The competition is open to graduate students and to recent recipients of a doctoral degree (the Ph.D. degree or an equivalent), conferred not more than three years before the competition deadline. Manuscripts must be in English, French, or German. Only one paper by any author may be submitted in any given year. Each entry should be typewritten, double-spaced, and no longer than 50 pages, including notes, bibliography, and appendices. Entrants should keep copies of their manuscripts, since manuscripts submitted will not be returned. Each manuscript must be accompanied by the following: (a) a one-page abstract of the paper in English; (b) a current curriculum vitae of the author; and (c) a letter of recommendation from an established scholar in the field. Entrants who are resident in the United States of America are also requested to indicate their home address and social security number. Entries must be received no later than February 2000. The award will be announced on or about 15 May 2000. All manuscripts and correspondence should be addressed to: The Stannard Award Committee, Department of History, Wescoe Hall 3001, The University of Kansas, Lawrence, KS 66045-2130.

The Marc-Auguste Pictet Prize, will reward an outstanding work, unpublished or recently published in the field of the history of science. The prize is issued by the "Société de Physique et d'Histoire Naturelle de Genève" (SPHN) and, in principle is intended for a young researcher. The value of the Prize depends on the income of the Fund and may be shared: in 1998 it amounted to Sfr. 14,000. Application is open to both Swiss and foreign candidates at the university level. Notification of candidature should be sent by 31st December 1999 to the following address: Président de la SPHN, Museum d'Histoire naturelle, Case postale 6434, CH-1211 GENEVE 6, Switzerland. Two full copies of the work, accompanied by a summary and a curriculum vitae should be submitted before the deadline. One copy of the prize-winning work will remain the property of the SPHN.

The texts may be written in French, German, Italian or English. In the last three instances, the summary should be translated into French and be approximately 12 pages in length, i.e. 4,000 words or about 20,000 characters. Theme for the 2000 Prize: "History of electricity and electromagnetism in the XVIIIth and XIXth centuries."

The Society for the History of Alchemy and Chemistry. The Society invites entries for the Partington Prize, awarded to an original and unpublished essay on any aspect of the history of alchemy or chemistry. The competition is open to anyone who has not reached 35 years of age by the closing date, 31 December 1999. For further details, please contact John Hudson, Hon. Secretary, Society for the History of Alchemy and Chemistry, J.A.Hudson@anglia.ac.uk.

Society for the Social History of Medicine Prize Essay Competition 1999. The Society for the Social History of Medicine (SSHM) invites submissions for its 1999 prize essay competition. This prize is awarded to the best original, unpublished essay in the social history of medicine as judged by the SSHM’s assessment panel. The winner will be awarded 200 pounds, and his or her entry may also be published in the journal, Social History of Medicine. The competition is open to students and recently qualified postdoctoral scholars. The deadline for submissions is 31 December 1999. Further details and an entry form can be obtained from 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 dcantor@54.ma.man.ac.uk) SSHM Web site: http://www.nottingham.ac.uk/~hoomeshsm.htm.

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://depts.washington.edu/hssexec. Electronic listings of meetings are updated every Friday morning and are brought to the History of Science Society's attention between quarterly publication of the HSS Newsletter. 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.

Mid-Atlantic Conference in the History of Science, Medicine, and Technology

We in the History and Sociology of Science Department at the University of Pennsylvania invite you to join us at a conference of graduate students interested in the history of science, medicine, and technology. The purpose of this conference is to foster collegial interaction among the graduate students of the many fine programs in the history of science (broadly understood) in this region, and to provide a forum for constructive and supportive critiques of each other's work. To encourage social as well as scholarly interaction, MAC will open on Friday, August 6 with a welcoming
reception for attendees. Saturday, August 7, and the morning of Sunday, August 8, will be devoted to paper presentations and "working sessions" of pre-circulated works longer than the typical conference paper, such as articles-to-be or dissertation chapters. Paper presentations will be 20–25 minutes. Each "working session" will be one hour, and will consist of a 20–30 minute presentation by the author with the remainder of the time devoted to discussion. Following the precedent established by the 1998 MAC organizers at Johns Hopkins University, we will strive to make this conference as productive and as inexpensive as possible for all participants. We will make an effort to house attendees with local graduate students, and some meals will be provided. For further information contact: A. Wolfe, Mid-Atlantic Conference Organizing Committee, History and Sociology of Science Department, University of Pennsylvania, 249 S. 36th St., Logan 303, Philadelphia, PA 19104-6304. E-mail: awolfe@sas.upenn.edu.

ACNS National Meeting: 125th Anniversary of the Tetrahedral Carbon Atom
22–26 August 1999, New Orleans, LA
The year 1999 marks the 125th anniversary of the tetrahedral carbon atom. In honor of that anniversary the Division of Organic Chemistry, the Division of the History of Chemistry, and The Chemical Heritage Foundation are cosponsoring a symposium during the August 1999 New Orleans National Meeting of the American Chemical Society. Ideally, the symposium will be a mixture of papers on historical topics and reflections on current issues in stereochemistry by chemists (but not straightforward research results). For more information, contact Peter J. Ramberg, Tetrahedral Carbon Atom Symposium, Department of Chemistry, Johns Hopkins University, 3400 N. Charles St., Baltimore, MD 21218. ramberg@jhunix.hcf.jhu.edu.

Invencao: Thinking the Next Millennium
25–29 August 1999, Sao Paulo, Brazil
Invencao is an opportunity for those working at the creative edge of the arts, sciences and technology to collaborate in the transdisciplinary development of ideas and innovative strategies for life in the next millennium. Invencao is a "seeding" event that seeks to identify key questions and issues that can lead to the radical transformation of culture. Invencao will examine the consequences of this convergence of art, science and technology on our sense of self and human identity, on consciousness, community and the city, as well as on learning and leisure.

FEES: There will be a registration fee of US $100 (or equivalent amount in national currency) for those who are selected to present. Members of ISEA, CAiiA/STAR and Leonardo/ISAST will be granted a 20% reduction. Further information is available at: http://www.itauultural.org.br/invencao/invencao.htm or Instituto Cultural Itau, Av. Paulista 149, 01311-000 Sao Paulo (SP)—Brazil, tel 55 11 2381741, fax 55 11 2381720, invencao@itauultural.org.br.

18th Congress of the British Society for the History of Medicine
8–11 September 1999, University of Leeds
The Congress is organized in conjunction with the Thackray Medical Museum, The Leeds Philosophical and Literary Society, and the Yorkshire Branch of the Society of Occupational Medicine. The Congress theme is Occupational Medicine and builds upon the industrial heritage of West Yorkshire and the fact that Charles Turner Thackray, the founder of the discipline, was born in Leeds and practiced medicine there. However, topics on many aspects of the History of Medicine and Dentistry will be included in the program. The venue for the event will be Bodington Hall, a University of Leeds Hall of Residence. For further details please contact Susan Lacey, Conference and Marketing Office, The University of Leeds, Leeds LS2 9JT. Tel: 0113 233 6106. Fax 0113 233 6107. E-mail: s.lacey@leeds.ac.uk.

Commission on the History of Women in Science, Technology and Medicine
10–12 September 1999, Newnham College, Cambridge, UK
The Women's Commission of the DHS/IUHPS will hold an open Conference/Workshop on "Women in the History of Science: Biography, Autobiography, Tasks, Results, Problems" at Newnham College, Cambridge, UK, 10–12 September 1999. The theme aims to direct contributors towards critical discussion of the (auto)biographical method. The total cost (including accommodation and all meals) will be about £165, around $265 US at present rates. To join the email list to receive further information, write to jml48@cam.ac.uk.

Volta and the History of Electricity
11–15 September 1999, Pavia-Como
The Interdivisional History of Physics Group of the European Physical Society, together with the Commission on the History of Modern Physics of the DHS-IUHPS, is holding its Fourth Conference at the Como "A. Volta" Centre for Scientific Culture at Pavia University. Papers for conference presentation and for inclusion in the Proceedings were due 1 May 1999. For more information, please see the Conference Web page, http://www.cilea.it/volta99 or contact the Conference Coordinator: volta99@pv.infn.it.

4th International History, Philosophy and Science Teaching Conference and 8th European History and Physics Teaching Conference
"Science as Culture"
15–19 September 1999, Pavia-Como
Jointly organized by the Group around the Science & Education journal and the EPS History of Physics Group, this conference follows earlier, successful ones. Papers for conference presentation and for inclusion in the Proceedings, were due 1 May 1999. For further information, refer to the conference Web site: www.cilea.it/volta99 or E-mail: volta99@pv.infn.it.

1999 Joint Atlantic Seminar in the History of Physical Sciences
17–19 September 1999, The George Washington University, Washington, DC
The Joint Atlantic Seminar in the History of Physical Sciences resumes its annual meetings. Registration for the seminar closes July 30. For more information see our Web site at: http://www.gwu.edu/~recsci/jashops.html or write to: JASHOPS, Center for History of Physics, American Institute of Physics, College Park, MD 20740-3843.

Abraham Gottlob Werner (1749–1817) and His Times
19–24 September 1999
"Abraham Gottlob Werner (1749–1817) and His Times" is sponsored by the Technical University Bergakademie Freiberg and the International Commission on the History of Geological Sciences (INHIGEO). The symposium will focus on the geological sciences during Werner's lifetime. Participants may offer papers addressing the following themes: (a) Knowledge of the earth from 1750 to 1820 and the geological ideas of A.G. Werner; (b) Developments and communication, theoretical concepts and academic controversies, research centers and influences in geological sciences; (c) The relationships among geological knowledge and scientific, ideological, and religious ideas.
Future Meetings

during the Enlightenment and the early Industrial Revolution; (d) Werner and the technical disciplines related to mining ca. 1750–1820; (e) Werner and his natural history collections, private library and coin collection in relation to other contemporary coin collections and private libraries; (f) Werner’s influence beyond the earth sciences and mining technology; and (g) the history of the influence and the reception of Werner’s work. Copies of the first circular are available from: Tagungsbüro “Werner-Symposium,” Akademiestrasse 6, TU Bergakademie Freiberg, D-09599 Freiberg (Sachsen), Germany. E-mail contacts are Dr. Peter Schmidt (pschmidt@ub.tu-freiberg.de) or Prof. Helmut Albrecht (halbrecht@vwl.tu-freiberg.de).

Astronomische Gesellschaft
20 September 1999, Göttingen

The annual convention of the Astronomische Gesellschaft will be taking place in Göttingen this year under the rubric NEW ASTROPHYSICAL HORIZONS. At this occasion there will be a meeting of the History of Science Working Group (AK Astronomiegeschichte) on Monday, September 20, 1999. The Working Group’s Organizing Committee has—with the approval of the society’s Local Organizing Committee—chosen the following theme: The history and function of nonverbal representations in research practice in astronomy and astrophysics. This primarily involves images or other forms of pictorial registration (e.g., photos, video tapes) of observational data. Historical studies of astronomical and astrophysical representations are our emphasis, but scientists in the field are also invited to think about the current functions of imaging (e.g., unsharp masking, speckle deconvolution or image compression) and the ever-changing techniques used, which inevitably will soon become part of history as well. The conference language is English. Following a decision by the society’s board, a projected fee in the amount of about 30 DM (15 Euro) will have to be charged to all those participants not registering at the AG meeting. Please direct any questions to: Dr. Axel D. Wittmann, Universitäts-Sternwarte, Geismarlandstr. 11, D-37083 Göttingen, Tel. +(49)-551-395043, Fax. +(49)-551-395043, E-mail: wittmann@uni-sw.gwdg.de.

24th Annual Great Lakes History Conference
“History and the Telling of It II”
24–25 September 1999, Grand Rapids, MI

The theme of this conference is “History and the Telling of It II.” We are pleased to announce that Dr. John Harley Warner of Yale University will be our keynote speaker. Those interested in chairing and commenting on a session should send a c.v. and indicate areas of expertise. Please address all inquiries to Dr. Carolyn Shapiro-Shapin, Department of History, Grand Valley State University, Allendale, MI 49401. E-mail: Shapini@gsu.edu. Fax: (616) 895-3285. Phone: (616) 895-3445.

Speaking in Signs: Cultures of Communication in the Early Modern Americas
24–25 September 1999, University of Pennsylvania

This conference seeks to bring together a diverse group of graduate students interested in discussing the general themes of communication in the Early Americas in all of its forms and stages—from the production and dissemination of ideas/texts to their reception, appropriation, and re-deployment. For more information contact: McNeil Center for Early American Studies, University of Pennsylvania, 3440 Market Street, Suite 540, Philadelphia, PA 19104-3225, (215) 898-9251 / 9252, http://ccat.sas.upenn.edu/mceas.

Mephistos 1999
1–2 October 1999, University of Oklahoma

The University of Oklahoma History of Science Association is proud to announce the 18th annual Mephistos graduate student conference at the University of Oklahoma in Norman, Oklahoma on October 1–2, 1999. Mephistos is an annual conference for graduate students working in the field of Science Studies, which encompasses the history, philosophy, and sociology of science, technology, and medicine. Mephistos provides the opportunity for graduate students to present papers, engage in informal discussion, and meet students from other universities. Although Mephistos will appeal to people in science studies, students in other areas touching on the sciences or with an interest in interdisciplinary research are also encouraged to submit paper proposals and to attend the conference. A conference registration fee of $10 is required of all attendees.

The 1999 Program Committee seeks proposals for individual papers related to the History, Philosophy, and Sociology of Science, Technology, Medicine from the ancient period to the present. Please mail, email or fax a one-page abstract for a 15–20 minute paper and brief c.v. postmarked by August 9, 1999 to: MephiSToS 1999, Department of the History of Science, The University of Oklahoma, 601 Elm, Room 622, Norman, Oklahoma 73019-0315. Tel.: (405) 364-2003, Fax: (405) 325-2363, E-mail: mephistos@ou.edu.

Society for the History of Technology Annual Meeting
7–10 October 1999, Detroit, Michigan

The local arrangements committee for the 1999 meeting is busy making plans. The meeting will be held at the Detroit Marriott in downtown Detroit’s Renaissance Center; we will also hold several events at the Henry Ford Museum. There will be ample time for visits to the Henry Ford Museum and Greenfield Village. Downtown Detroit boasts the Detroit Institute of Art, which houses the world-famous Diego Rivera murals, as well as vintage 1920s and 30s architecture. Two tours are definite at this time: "Ruins, Remains, and Reminders," a tour down Detroit’s Woodward Avenue, the address of important auto factories and other interesting local sites. There will also be a trip to Henry Ford’s estate, Fairlane. Other tours are in the planning stage and the organizers are waiting for final word on them. For questions or information about local arrangements contact the committee chair, Bob Casey: tel: 313-982-6079; fax: 313-982-6244; email: bobc@hfmgv.org. http://www.hfmgv.org/shot/.

Challenging Rhetorics: Cross-Disciplinary Sites of Feminist Discourse
7–9 October 1999, Minneapolis

The Center for Interdisciplinary Studies of Writing at the University of Minnesota announces a call for papers for the Second Biennial International Feminism(s) and Rhetoric(s) Conference “Challenging Rhetorics: Cross-Disciplinary Sites of Feminist Discourse,” 7–9 October in Minneapolis. We invite 250-word proposals that share theories and examples of new discourse practices emerging as a result of feminist scholarship across the disciplines in the academy. For further information, contact Hildy Miller at e-mail mille2996@tc.umn.edu or see our Web site http://CISW.cla.umn.edu.
Sixteenth Century Studies Association
Annual Meeting
28–30 October 1999, St. Louis
The annual meeting of the Sixteenth Century Studies Association will take place in St. Louis, October 28–30, 1999. The conference is devoted to a wide range of topics in sixteenth century studies, including early modern history of science. For more information contact Gerhild Scholz Williams, Coordinator, Department of German, Box 1104, Washington University, St. Louis, MO 63130, gerhild_williams@aimsail.wustl.edu.

History of Geophysics and Space Physics
March 2000, Munich, Germany
The History of Geophysics and Space Physics announces a one-day session during the Annual Meeting of the German Geophysical Society being held in Munich Germany. The session is open for oral lectures and posters. The topics are the development of geophysics as a scientific discipline during the last decades, biographical notes, discussion of international research programs and the interdisciplinary discussion of philosophical and historical problems in connection with geophysical research. For further information contact: Dr. Wilfried Schröder, Hechelstrasse 8, D-28777 Bremen-Roennebeck, Germany.

The Age of Economic Measurement
March or April 2000, Duke University
Participants in the 2000 workshop of the History of Political Economy will explore the history of the commitment to measurement in economics from the late 19th through early 20th centuries. We invite paper proposals that deal with the emergence of that commitment and its consequent effect on the economics discipline. We welcome proposals focused on the social, political and policy contexts of these changes, as well as those that explore interactions of economics with other disciplines in regard to measurement issues. (The full details of the theme of the workshop can be obtained from the organizers noted below.). Please send paper proposals (1 page only) to both Mary S. Morgan (at Department of Economic History, London School of Economics, Houghton St., London WC2A 2AE, UK, or to m.morgan@lse.ac.uk or to Fax: 44-171-955-7730) and Judy L. Klein (at Department of Economics, Mary Baldwin College, Staunton, VA 24401, USA, or to jklein@mbc.edu or to Fax: 1-540-887-7137).

Into the Next Millenium: The Past and Promise of Environmental History
16–19 March 2000, Tacoma, Washington
The American Society for Environmental History will hold its 2000 meeting in Tacoma, Washington. Papers and sessions will examine aspects of human interaction with the physical environment over time. For more information, contact Mart Stewart (program chair), Western Washington University, smar4@cw.wwu.edu; (360) 650-3455; Kate Christen, Smithsonian Institution, chrieten@osia.si.edu, (202) 357-1421; Gail Evans, histmaps@open.org, (503) 873-5854; Mark Harvey, North Dakota State, harvey@plains.NoDak.edu, (701) 231-8828; Nancy Langston, University of Wisconsin, nelangst@facstaff.wisc.edu, (608) 265-9008; Lisa Miglietto (ex-officio/local arrangements chair) Historical Research Associates, Inc., miglietto@montana.com, (206) 343-0226.

Third European Social Science History Conference
12–15 April 2000, Amsterdam
The ESSHCl aims at bringing together scholars interested in explaining historical phenomena using the methods of the social sciences. The conference is characterized by a lively exchange in many small groups, rather than by formal plenary sessions. The Conference is organized in a large number of networks: Africa - Antiquity - Asia - Childhood - Criminal Justice - Culture - Economics - Education - Elites - Ethnicity - Family/Demography - Geography - Government and Politics - Health - Labor - Latin America - Middle Ages - Migration - Nations - Oral History - Political Movements - Quantitative Methods - Religion - Rural - Sexuality - Social inequality - Technology - Theory - Urban - Women/Gender. The Conference fee will be dfl. 300 (at present this is about US $ 150). The deadline for sending an abstract was 30 April 1999. Further information about the European Social Science History Conference can be obtained from the Conference Internet site at http://www.issg.nl/ESSHC or from the conference secretariat: European Social Science History Conference 2000, c/o International Institute of Social History, Cruquiusweg 31, 1019 AT Amsterdam, Netherlands; Telephone: +31.20.6658586; Fax: +31.20.6654181. E-mail: ESSHC@issg.NL

American Association for the History of Medicine
Bethesda, MD, May 17–21, 2000
The American Association for the History of Medicine welcomes papers on topics related to the history of health and healing: of medical ideas, practices and institutions; the history of illness, disease, and public health—from all eras and regions of the world. The program committee welcomes session proposals and proposals for luncheon workshops; as in previous years, papers will be judged on their individual merits. All papers must represent original work not already published in print. Because the Bulletin of the History of Medicine is the official journal of the AAHM, the Association encourages speakers to make their manuscripts available for consideration by the "Bulletin" upon request. Please send six copies of a one page abstract of no more than 350 words to Harry M. Marks, Dept. of the History of Science, Medicine & Technology, The Johns Hopkins University, 1900 E. Monument Street, Baltimore, MD 21205. Abstracts should not merely state a research question, but should describe findings and conclusions sufficient to allow assessment by the program committee. Please also provide the following information: Name, preferred mailing address, current telephone numbers, present institutional affiliation and academic degrees. Abstracts must be received by 1 October 1999. E-mailed or faxed proposals will not be accepted.

Portraiture and Scientific Identity
This conference is being organized by the National Portrait Gallery and the British Society for the History of Science. The likely pattern of conference will be four plenary sessions and a number of shorter sessions with papers of 25 minutes. Professor Ludmilla Jordanova is responsible for the program, and offers of short papers can be made to her at any time between now and 1 November 1999. This should take the form of a brief abstract of no more than one page, together with any supporting material thought appropriate, for example, a list of items already published on the topic. The final program will be drawn up by Christmas 1999, and it will be circulated in the new year. A copy of the final program can be sent to those who provide the Education Department of the National Portrait Gallery (St Martin's Place, London, WC2H 0HE) with a stamped addressed envelop marked 'BSHS conference.' The meeting is being held in association with a small exhibition at the National Portrait Gallery, which will explore portraiture in relation to practitioners of science, medicine and technology since the seventeenth century in...
Future Meetings

Britain. The exhibition will open in late March or early April and will close at the end of June 2000. It will contain works in all media, and suggestions of unusual, visually interesting items that might be included can be made to Professor Jordanova, who would be particularly interested to hear of relevant self-portraits and of portraits made within domestic settings. The practice of portraiture is one of the main themes of the exhibition, so preparatory sketches are of particular relevance.

Professor Ludmilla Jordanova can be contacted at School of World Art Studies and Museology, University of East Anglia, Norwich, Norfolk, NR4 7TJ. E-mail: ljordanova@uea.ac.uk. The BSHS website is at: http://www.man.ac.uk/Science_Engineering/CHSTM/bshs/.

SSHM Annual Conference: Medicine—Magic—Religion
17–18 July 2000, Southampton
This conference aims at a re-assessment of the boundaries and intersections between medicine, magic, and religion in the light of: the current upsurge of scholarly interest in the area of pre-modern history of medicine; conceptual debates on the epistemological status of science and medicine, vis-a-vis magic and religion; recent writing on 'colonial medicine' and on the inter-relationships; hegemonic tendencies and conceptual incompatibilities of different cosmologies and systems of healing; recent contributions by post-colonial and subaltern histories to the critique of dichotomous categories such as "East" versus "West," "rationality" versus "irrationality," "science" versus "belief," the rise of "alternative" medicine in western countries and its construction as a "holistic" and more "spiritual" alternative to "scientifically" based bio-medicine.

It is intended to bring together historians and social scientists working on the development of medical theories and practices during different periods of time and within diverse cultural contexts. Offers of papers based on interdisciplinary and comparative perspectives are particularly welcome.

If you would like to present a paper at the conference, please send an abstract (pasted into a e-mail) to WER@soton.ac.uk by 31 January 2000.

Contact for registration details: Dr Waltraud Ernst, Department of History, University of Southampton, Southampton SO17 1BJ. E-mail: WER@soton.ac.uk

Bookings should arrive no later than 1 April 2000. You are advised to register on time as the conference venue can only accommodate a maximum of 90 participants.

ICES History Symposium: 100 Years of Science under ICES
1–3 August 2000, Helsinki, Finland
The International Council for the Exploration of the Sea (ICES), the world's oldest intergovernmental marine science organization, will celebrate its Centenary in 2002. One of several major events commissioned by the Council to mark this historic occasion will be this Symposium, slated for 1–3 August 2000 in Helsinki, Finland. The Symposium will focus on the key role ICES has played over the past century in major developments in the fields of marine fisheries, hydrography, and environmental quality.

The Symposium is open to all scientists, historians, students, and others who have an interest in the historical development of marine science, particularly that involving ICES. Contributors must submit titles with 200–300 word abstracts to the Convenor by 31 August 1999. Contributions will be published, following peer review, in a special issue of the ICES journal of Marine Science. A registration fee of US $125 (US $75 for students), due by 1 July 2000, will cover costs of coffee, tea, Symposium dinner and a copy of the published proceedings. For more information, contact the Symposium Convenor: 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. E-mail: emory.anderson@noaa.gov.

Fourth British–North American Joint Meeting of the BSHS, CSHPS, and HSS
What is to be done? History of Science in the New Millennium
3–6 August 2000, St. Louis, Missouri, USA
Following successful meetings in Manchester (1988), Toronto (1992), and Edinburgh (1996), the British Society for the History of Science, the Canadian Society for the History and Philosophy of Science, and the History of Science Society will be undertaking their fourth international joint meeting in St. Louis, Missouri, August 3–6, 2000. The program committee, with members drawn from the three participating societies, has chosen as the meeting theme: "What is to be done? History of Science in the New Millennium." Session proposals are invited on topics that address particularly: critical historiographical issues in the history of science, past, present and future; master narratives in the history of science, including reassessments of earlier narratives and presentations of new ones; evaluating the relationship between the history of science and other disciplines, such as sociology, literary studies, social history, cultural history, environmental history, natural science (the "science wars"); important absences in the history of science: what's been missed? what can't be said; differing modes of investigation in the history of science, including museum and material culture studies, history of popular culture, history of printing and publishing, and others; re-examinations of particular chronological (e.g., Enlightenment or medieval science) and thematic fields (e.g., the history of biology, science and gender, science and popular culture); the development of history of science as a discipline and as a profession, in particular to provide an international perspective to the issues that the HSS is considering at its 75th anniversary meeting in 1999. This announcement constitutes a call for papers. The meeting will be organized into sessions of three or four papers with commentator. Proposals for complete sessions are encouraged, although proposals for individual papers will also be considered. Session organizers are urged to include speakers from more than one country. Electronic submissions via the HSS Web site are preferred. http://depts.washington.edu/hssexe/2000/joint2000.html. Proposals, including abstracts of approximately 250 words for each paper, are due at the HSS Executive Office (see address on page 2) by 15 December 1999, with notification of acceptance by early February in 2000. Conference participants may expect to receive a program of published abstracts. For further details contact the HSS Executive office at hssexe@u.washington.edu or the program committee: Jon Agar, agar@fs4.ma.man.ac.uk; Bernie Lightman, lightman@yorku.ca; and Paul Thereman, paul_thereman@nln.nih.gov.

International Congress of Historical Sciences
6–13 August 2000, Oslo, Norway
The International Committee of Historical Sciences has chosen Oslo for the 19th International Congress of Historical Sciences, 6–13 August 2000. The largest regular meetings of professional historians from all over the world, these congresses take place every five years. The Congress will consist of three major themes of one full day each, 20 specialized themes with half a day each, and 25 roundtable discussions. English and French will be the official languages of the Congress, and simultaneous Norwegian
translational will be provided for all plenary sessions. The International Congresses of Historical Sciences function as comprehensive surveys of new trends and developments within various historical disciplines. They also serve as an arena for critical debate about central themes of current scholarship and the pioneer fronts of historical research. In order to ensure the widest possible participation from all parts of the world, grants will be available for participants from selected regions. Please send information requests to: The 19th International Congress of Historical Sciences, Department of History, P.O. Box 1008, Blindern, N-0315 Oslo, Norway.

**Transformation and Continuity in the History of Universities**

**International Commission for the History of Universities**

9-11 August 2000, Oslo, Norway

The next colloquium of the International Commission for the History of Universities will be held in Oslo (Norway) 9-11 August 2000 in conjunction with the congress of the International Committee of Historical Sciences. Besides the Catholic Church the university is commonly recognized as the oldest existing institution within the Western world. At the same time the university is appreciated as one of the most potent dynamic forces within modern society. This paradox constitutes a core problem in the history of universities. Further information is available on the Internet (address below). Proposals for papers were due 1 June 1999. The committee will announce the definitive program on 15 January 2000. All enquires, suggestions and proposals for papers should be made in the instance to Prof. Svinter Langholm or Research Fellow Fredrik W. Thue, Forum for Universitetshistorie Department of History, University of Oslo P.O. Box 1008 Blindern N-0315 Oslo Phone: +47 22 85 68 09 (Langholm) or +47 22 85 42 06 (Thue) Fax: +47 22 85 57 51 E-mail: univhist-2000@hi.uio.no Internet: http://www.hf.uio.no/oslo2000/univhist/.

**Writing the Past, Claiming the Future:**

**Women and Gender in Science, Medicine, and Technology**

12-15 October 2000, St. Louis University

"Writing the past, claiming the future" is being designed to further conversations begun at previous conferences among historians of science, medicine, and technology. These discussions made explicit how much historians of science, medicine, and technology can learn from each other. It is intended to invite greater interchange among the disciplines, while recognizing the uniqueness of each. Conference themes will include, but not be limited to, personal and external factors that empower or inhibit women's participation in the scientific, medical, and technological disciplines; scientific, medical, and technological ideas that have influenced ideas about gender and gender roles in the disciplines and in the wider society; and the relations between gender and conceptions of knowledge and the practice of science, medicine, and technology.

Individual papers and panels are solicited on topics that explore the interdisciplinary relationships of women and gender and science, medicine, and technology. Conference organizers strongly encourage the submission of panels of two or three papers. We are particularly interested in panels in which a range of perspectives and stimulate "crosstalk" among scholars of different disciplines. Proposals must include two copies of a one-page abstract and a one-page curriculum vitae. For proposals submitted as a panel, an abstract and vitae are required for each panel member. Proposals are due by January 1, 2000. If you have any questions or would like to be on the mailing list to receive the conference brochure, please 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.

**Isis Books Received**

Prior to the publication of each Newsletter, the HSS Executive Office receives from the Isis Editorial Office a list of books received by that office for potential review. This list appears here quarterly; it is not compiled from the annual Current Bibliography.

Isis Books Received, Quarterly Report to 30 May 1999.


Arnal, Yolanda Texera (Compiler). *La modernización de la ciencia.* (Thue) Fax:+47 22 85 57 51 E-mail: univhist-2000@hi.uio.no Internet: http://www.hf.uio.no/oslo2000/univhist/.


Barkan, Diana Kormos. *Weaver Nervus and the Transition to Modern Physical Science.* xii + 288 pp., illus., bibl., index. New York/Cambridge, Eng.: Cambridge University Press, 1999. $64.95.

Bell, Rudolph M. *How to Do It: Guides to Good Living for Renaissance Italians.* xiv + 375 pp., illus., index. Chicago/London: Chicago University Press, 1999. $25, $19.95.


Beretta, Marco; Pogliano, Claudio; Redondi, Pietro. *Journals and History of Science.* (Istituto e Museo di Storia della Scienza/Biblioteca di 'Nuncius,' 32.) (Based on the Conference, "Journals and History of Science," June 5-6, 1997.) viii + 268 pp., illus., apps., index. Florence: Leo S. Olschki, 1998. 154,000.


Bondeeon, Jan. *The Feejee Mermaid and Other Essays in Natural and Unnatural History.* xiv + 315 pp., illus., bibl., index. New York: Oxford University Press, 1999. $29.95.


Monnomier, Mark. *Air Apparent: How Meteorologists Learned to Map, Predict, and Dramatize Weather.* xiv + 309 pp., illus., figs., tables, app., index. Chicago/London: University of Chicago Press, 1999. $27.50, £21.95.


Mutel, Cornelia F. *Flowing through Time: A History of the Jesus Institute of Hydrological Research.* Foreword by Virentredra C. Patel. xii + 299 pp., illus., figs., apps., index. Iowa City: Iowa Institute of Hydraulic Research, 1998. $40 (paper).


Panza, Marco; Roero, Clara Silvia (Editors). *Geometria, flusioni e differenziali: Tradizione e innovazione nella matematica del seicento.* (Istituto Italiano per gli Studi Filosofici, Seminari di Scienze, New Series, 8.) 476 pp., figs., bibl., index. Naples: Edizioni "La Città del Sole," 1995. L52,000.


Planck, Max; Runge, Carl; Karsten, Bernhard; Leopold, Adolf. *Briefwechsel zwischen Max Planck, Carl Runge, Bernhard Karsten und Adolf Leopold.* Introducted and annotated by Klaus Hentschel and Renate Tobies. (BBGNT, 24.) 273 pp., figs., apps., bibl., index. Berlin: ERS Verlag, 1999. DM55.50 (paper).


Proctor, Robert N. *The Nazi War on Cancer.* x + 380 pp., illus., figs., tables, bibl., index. Princeton, N.J.: Princeton University Press, 1999. $29.95, £17.95.

Pyenson, Lewis (Editor). *Fortisier Feliciter Fideliter: Centenarian Lectures of the Graduate School of the University of Southwestern Louisiana.* (Publications of the Graduate School, 6.) xiv + 84 pp., illus., figs., table, app. Lafayette, La.: University of Southwestern Louisiana, 1999. (Paper.)


Ragep, F. Jamil; Ragep, Sally P. (Editors). *Tradition, Transmission, Transformation: Proceedings of Two Conferences on Pre-modern Science Held at the University of Oklahoma.* With Steven Livesey. (Collection of Travaux de l'Academie Internationale d'Histoire des Sciences, 37.) xvi + 591 pp., illus., figs., tables, bibl., index. Leiden/New York/Köln: E. J. Brill, 1996. £218.


Riley, Glenda. *Women and Nature: Saving the Wild West.* (Women in the West.) xx + 279 pp., illus., index. Lincoln, Neb./London: University of Nebraska Press, 1999. $24.95 (paper).


Ruse, Michael. *Mystery of Mysteries: L Evolution a Social Construction?* xii + 236 pp., illus., figs., tables, apps., bibl., index. Cambridge, Mass./London: Harvard University Press, 1999. $27.50.

Santos, Miguel A. *The Environmental Crisis.* Foreword by Randall M. Miller. (Greenwood Press Guides to Historic Events of the Twentieth Century.) xx + 290 pp., figs., tables, apps., bibl., index. Westport, Conn.: Greenwood Press, 1999. $39.95.


Schwartz, Jeffrey H. *Sudden Origins: Fossils, Genes, and the Emergence of Species.* xiv + 420 pp., illus., bibl., index. New York/Chichester, Eng.: John Wiley and Sons, 1999. $27.95.


Shapiro, Robert. *Planetary Dreams: The Quest to Discover Life beyond Earth.* xiv + 306 pp., frontis., illus., index. New York/Chichester, Eng.: John Wiley and Sons, 1999. $27.95.

Sigrist, René; Barras, Vincent; Ratcliff, Marc. *Lewis Jurema: Chirurgien et Naturaliste (1751-1819).* (Bibliothèque d'Histoire des Sciences, 2.) [vii] + 494 pp., illus., apps., bibl., index. Chêne-Bourg: Geor, 1999. SF50.


Sned, David L. *The Gatsby Committee, Eisenhower, and the Cold War.* x + 286 pp., illus., bibl., index. Columbus: Ohio State University Press, 1999. $39.95 (cloth); $19.95 (paper).


(The History of Medicine in Context.) [viii] + 259 pp., bibl., index. Aldershot, Eng./Brookfield, Vt.: Ashgate, 1999. $84.95.


Weinrich, Klaus. Die Lichtbrechung in den Theorien von Descartes und Fermat. (Sudhoff’s Archiv, Zeitschrift für Wissenschaftsgeschichte, 40.) 172 pp., figs., bibl. Stuttgart: Franz Steiner, 1998. DM78, £42.50.


Yoneyama, Lisa. Hiroshima Traces: Time, Space, and the Dialectics of Memory. (Twentieth-Century Japan: The Emergence of a World Power, 10.) xiv + 298 pp., bibl., index. Berkeley/Los Angeles/London: University of California Press, 1999. $45 (cloth); $17.95 (paper).

Zimmerman, Jonathan. Distilling Democracy: Alcohol Education in America’s Public Schools, 1880-1925. xviii + 208 pp., bibl., index. Lawrence, Kans.: University Press of Kansas, 1999. $29.95.

Zimmerman, Francis. The Jungle and the Aroma of Meats: An Ecological Theme in Hindu Medicine. (Indian Medical Tradition, 4.) xvi + 271 pp., illus., app., index. Rochester, N.Y./Woodbridge, Eng.: Boydell and Brewer, 1997. $75.


Yeo, Eileen Janes. The Contest for Social Science: Relations and Representations of Gender and Class. xx + 394 pp., tables, bibl., index. London: Rivers Oram Press, 1996. $55.

Yoneyama, Lisa. Hiroshima Traces: Time, Space, and the Dialectics of Memory. (Twentieth-Century Japan: The Emergence of a World Power, 10.) xiv + 298 pp., bibl., index. Berkeley/Los Angeles/London: University of California Press, 1999. $45 (cloth); $17.95 (paper).

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