MELLON GRANT
TO BRING SOVIET SCHOLARS TO
1991 ANNUAL MEETING

A recent grant of $40,000 from the Andrew W. Mellon Foundation has enabled the Society to invite six young Soviet historians of science and technology to visit the United States and Canada for three weeks next autumn, and to introduce them to some aspects of current North American scholarship in the history and social studies of science and technology. During their stay, they will attend the concurrent annual meetings of the History of Science Society and the Society for the History of Technology, and take part in the discussions that will form the basis of the HSS/SHOT Critical Problems Conference. Before and after the Madison meeting, they will visit the graduate programs in these disciplines at the universities of Chicago, Pennsylvania, Toronto, and Wisconsin, at Columbia, Harvard, and Johns Hopkins universities, and at the Massachusetts Institute of Technology. Just before their return to the Soviet Union, the visitors will attend the 1991 annual meeting of the Society for the Social Studies of Science in Cambridge, MA, 14-16 November 1991.

The grant and the program it supports derive from an initiative first proposed by Loren R. Graham (MIT and Harvard), who arranged the details of the visitors’ itineraries and has coordinated the process that chose them. The selection committee—comprising Mark B. Adams (Univ. of Pennsylvania), Susan Gross Solomon (Univ. of Toronto), Daniel Todes (Johns Hopkins Univ.), and Douglas Weiner (Univ. of Arizona)—has issued invitations; the Society awaits word on their acceptance. The October issue of the *HSS Newsletter* will announce the names of the Soviet scholars attending the Madison meeting.

The *HSS Executive Committee*

**PRESIDENT**

Stephen G. Brush,
University of Maryland

**VICE-PRESIDENT**

Sally Gregory Kohlstedt,
University of Minnesota

**EXECUTIVE SECRETARY**

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Lester D. Stephens,
University of Georgia

**EDITOR**

Ronald L. Numbers,
University of Wisconsin-Madison

The *Newsletter of the History of Science Society* is published in January, April, July, and October. Issues are sent to all individual members of the Society; those who reside outside of North America pay an additional $5 yearly to cover a portion of postal charges. The *Newsletter* is available to nonmembers and institutions for $20 a year.

The *Newsletter* is overseen by a Steering Committee consisting of the President, the Executive Secretary, and the Editor of the History of Science Society. It is edited by Michael M. Sokal and produced at the Office of the Executive Secretary by Gena M. Pavlicek on an Apple Macintosh-based desktop publishing system using Microsoft Word and Adobe PageMaker.

Send items for the *Newsletter* (preferably on disk, in MS-DOS or Macintosh format) to the Office of the Executive Secretary, History of Science Society, 35 Dean Street, Worcester, MA 01609; telephone (508) 331-5712; teletype (508) 331-5800. The deadline for receipt of news is the first of the month prior to publication, although urgent announcements will be accepted until the fifth of the month. Articles and other long pieces should be submitted at least two weeks before the first.

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THE 1991 HSS ELECTION CANDIDATES’ BIOGRAPHIES

FOR VICE-PRESIDENT

Betty Jo Teeter Dobbs

David C. Lindberg

FOR COUNCIL

Toby A. Appel
NSF Visiting Professorship for Women, Program in History of Science, Department of History, University of Florida. Ph.D., Princeton University, 1976. Specialties: history of biology and medicine in America, comparative anatomy and evolutionary biology in

Keith R. Benson


Daniel P. Jones


Diane B. Paul


F. Jamil Ragep


Ronald Rainger


Thomas B. Settle

Alice Stroup

Edith Dudley Sylla

Joella G. Yoder

FOR NOMINATING COMMITTEE, FROM COUNCIL

William B. Ashworth, Jr.
John C. Greene

Pamela E. Mack

Mary Jo Nye

Joan L. Richards

Spencer R. Weart
Director, Center for History of Physics, American Institute of Physics, New York. Ph.D., University of Colorado (physics & astrophysics), 1968. Specialties: history of modern nuclear physics, geophysics, French and American science; social relations of science. Professional activities: HSS—Council, 1980-83; 1990-; Treasurer, 1984-87; Finance Committee and Committee on Develop-
Margaret J. Osler
Associate Professor, Department of History, University of Calgary. Ph.D.


FOR NOMINATING COMMITTEE, AT LARGE

Margaret J. Osler

Karen Meier Reeds

Robert J. Richards

M. Norton Wise

Robert J. Richards

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**NEWS OF THE SOCIETY**

The Society notes with regret the death of Peter D. Olch, at age 61, on 26 April 1991 in Bethesda, MD.

**Publishing Isis and Osiris**

The April 1991 issue of the *HSS Newsletter* (p. 4) reported that the Society’s Executive Committee and committees on Finances and Publications unanimously recommended acceptance by the HSS Council of a fifth-draft contract with the University of Chicago Press for the publication of *Isis* and *Osiris*. Through March, the Council voted 27 to 0 (by mail ballot) to accept this recommendation and, on 1 July 1991, the Press assumed all publications responsibilities for the two journals. [On 30 June 1991, the Society closed its Publications Office at the University of Pennsylvania.] Correspondence on matters such as non-receipt of journals, addresses changes, and orders for back issues should be addressed to the Journals Division, University of Chicago Press, P.O. Box 37005, Chicago, IL 60637. Correspondence on other publications matters can be addressed to the Journals Division, 5720 South Woodlawn Avenue, Chicago, IL 60637. Correspondence on other Society matters should continue to be addressed to the Office of the Executive Secretary, 35 Dean Street, Worcester, MA 01609; (508) 831-5712. With this move, the Spectacular Back Issue Sale for *Isis* and *Osiris* announced in the Newsletter’s last issue (p. 13) has ended.

**Dibner Visiting Historians of Science Program**

As announced in the April 1991 issue of the *HSS Newsletter* (p. 1), the Dibner Fund—a Connecticut-based foundation whose trustees include David Dibner and Frances K. Dibner—awarded last fall a grant of $10,000 to support the HSS Visiting Historians of Science Program. With the news of this grant, the National Committee overseeing the Program urged the Society to implement some long-discussed and long-deferred plans for expansion (as discussed below) and to rename it the Dibner Visiting Historians of Science Program. The HSS Executive Committee readily accepted these recom-
mandations, and from 1 July 1991 the program will proudly carry its new name. This action recognizes both the Dibner Fund’s most recent gift, and especially the Dibner family’s long-time support for the Society and its discipline.

Initially established in 1985 with grants from the Exxon Foundation and the Ford Foundation, the Dibner Visiting Historians of Science Program sponsors visits by leading historians of science to campuses at which the discipline is not well represented. These scholars present public lectures and conduct seminars to illustrate the intellectual vitality and pedagogical utility of the history of science, and also meet with curriculum planners—such as provosts, deans, departments heads, curriculum committees chairs, and the like—to discuss specific ways in which our discipline can serve their campuses’ needs. As the initial grants expired, additional support—most notably that arranged by Gerald Holton in 1989, in connection with his receipt of the Gernant Award of the American Institute of Physics—and increased contributions from host institutions have allowed the program to thrive. But (as noted) the recent grant from the Dibner Fund will allow the program to implement several significant plans for expansion.

For example, as the Program grew to rely on larger honoraria from host campuses through the late 1980s, the Society could not sponsor visits to colleges and universities unable to cover a relatively large portion of the visitor’s expenses. With the grant from the Dibner Fund to draw on, host contributions will lose the significance they once had to have, and the Society can now sponsor more visits to many more less affluent institutions. This change can already be seen in the many kinds of colleges and universities at which the Society will sponsor visits during the Fall 1991 semester. These institutions and the visitors they will host are: University of Alaska Southeast, Timothy Lenoir; Carleton College, David C. Lindberg; Coe College, Elizabeth Garber; Emory University, Allan M. Brandt; University of Evansville, David C. Lindberg; Jamestown College, David B. Wilson; University of Missouri, Rolla, Timothy Lenoir; Nazareth College, Phillip R. Sloan; State University of New York, College at Fredonia, Elizabeth Garber; Ottawa University, Timothy Lenoir; Washington & Lee University, Kenneth M. Taylor; Wentworth Institute of Technology, Joan L. Richards; Wittenberg University, Phillip R. Sloan; and Wright State University, Allan M. Brandt.

In addition, in cooperation with the Canadian Society for the History and Philosophy of Science, the Program will now offer visits to Canadian colleges and universities on a regular basis. Brochures for 1992 and 1993 will be distributed widely throughout English- and French-speaking North America next fall, and the Society expects Dibner Visiting Historians of Science to begin travelling just as widely soon thereafter. The National Committee overseeing the program has thus been redefined as the North American Committee, and its current members—in consultation with the Executive Committee—has selected a new group of Dibner Visitors to serve for the next two years. The final roster has yet to be completed, and will appear in the October issue of the HSS Newsletter. Several scholars have, however, already accepted appointment; they are Keith R. Benson (Univ. of Washington), Mordechai Feingold (Virginia Polytechnic Institute and State Univ.), Sharon Kingsland (Johns Hopkins Univ.), David Kohn (Drew Univ.), Mary Jo Nye (Univ. of Oklahoma), and Alan I. Shapiro (Univ. of Minnesota).

1992 Joint Meeting with the British and Canadian Societies

On the model of the highly successful Anglo/American joint meeting of the HSS and BSHS in Manchester in July 1988, HSS, BSHS, and Canadian Society for the History and Philosophy of Science are planning an Anglo/North-American Joint Meeting for Toronto, with full-day meetings on Sunday, Monday, and Tuesday, 26-28 July 1992. Arrival of participants will be expected and a reception will be held on Saturday evening, 25 July, to enable travelers to take advantage of reduced air fares. Planning is already sufficiently advanced to assure participants of a pleasant and cost-effective stay in this exciting city; Local Arrangements Chair is Polly Winsor, Institute for the History and Philosophy of Science and Technology, Victoria College, University of Toronto, Canada MSS 1K7.

This announcement constitutes the call for papers, and for proposals by prospective organizers of scholarly sessions. The overall theme for the meeting will be the "History of Laboratories and of Laboratory Science," selected because of its wide chronological and subject scope, and because it bridges a variety of approaches and methods in the history, philosophy, and sociology of science, medicine, and technology. Practitioners of history of field and observational sciences are urged to develop sessions devoted to the tension or interaction between laboratory and field, or the role of laboratory ancillae in field sciences. However, this joint meeting will not be exclusively devoted to the stated theme, and prospective session organizers are invited to submit proposed topics in other areas as well. There will be, however, no general or works-in-progress sessions, and paper proposals will be accepted only for the thematic orientation discussed above. Session organizers are encouraged to create mixed sessions with U.S., British, and Canadian speakers, and to leave sufficient time for good discussions. Sessions will last two to three hours, and papers will be twenty to thirty minutes long. Abstracts will be required of speakers, due in the hands of Polly Winsor by 1 June 1992; they will be reproduced for all participants and made available upon registration.

Please send proposals, including (for proposed sessions) prospective speakers, rough paper topics, and discussant or commentator, or (for proposed papers) a provisional abstract of around 250 words, by 1 October 1991 to one of the Program Chairs for the respective societies: For HSS, Alan Rocke, Department of History, Case Western Reserve University, Cleveland, OH 44106; For BSHS, David Knight, Department of Philosophy, University of Durham, 50, Old Elvet, Durham DH1 3HN, England; for CSHPS, Trevor Levere and Jed Z. Buchwald, Institute for the History and Philosophy of Science and Technology, Victoria College, University of Toronto, Canada MSS 1K7.
Education News

The Committee on Education expects to have its Undergraduate Guide to the History of Science ready for distribution by July 1991. This 20 page brochure provides an overview of the history of science and related career possibilities. The Guide is available at no cost and can be ordered by contacting Sharon Kingsland, Department of the History of Science, Johns Hopkins University, Baltimore MD 21218. Copies will be distributed automatically to the main history of science programs in the U.S. and Canada.

At the Madison meetings, the Committee on Education will sponsor a workshop on courses which deal with the relationship between the history of science and the history of technology. The workshop, co-sponsored by SHOT, includes panels from both societies. The panels will speak about their courses and will distribute copies of their course syllabi to the audience. Members of the audience who teach courses on the workshop theme are encouraged to bring copies of their syllabi for distribution. Limited reimbursement of photoduplication costs may be obtained through the office of the HSS Executive Secretary, 35 Dean Street, Worcester MA 01609. Receipts must be submitted for reimbursement. Funds for workshop costs are provided by the Richard Lounsbery Foundation. — Sharon Kingsland

Honors and Prizes Subcommittees

HSS members interested in serving on the Committee on Honors and Prizes, or any of the subcommittees that select the winners of the Society's prizes—i.e., the Pfizer Award, the Watson Davis Prize, the Derek Price Award, the History of Women in Science Prize, and the Henry and Ida Schuman Prize—for 1992 and later are encouraged to contact CoHP's current Chair, Hamilton Cravens (465 Myrtle Court, Benicia, CA 94510-1451; (707) 747-6828) with a brief statement of interest in and qualifications for such service. CoHP welcomes telephone inquiries, but a written statement is essential.

Appropriations for the National Science Foundation

The Consortium of Social Science Associations—of which the Society belongs—reports that supporters of the National Science Foundation in the U.S. House of Representatives are working toward a major increase in NSF appropriations for fiscal year 1992, but that they face stiff opposition. Recently the House Appropriations Subcommittee on Veterans Affairs, Housing and Urban Development, and Independent Agencies—which oversees NSF's budget—has voted to allocate $2.7218 billion for NSF. This sum is only $200,000 below the president's request and represents a 17.5 percent increase over NSF's appropriation for fiscal year 1991. The Subcommittee achieved this increase largely (so COSSA reports) by appropriating $100 million for the NASA Space Station, rather than the $2.1 billion that the Bush administration had requested. As COSSA's report continues, "a major effort will occur, led by Vice-President Dan Quayle, Chairman of the National Space Council, to restore full funding for the Space Station, a move that would (under one proposal) reduce the NSF research budget for fiscal year 1992 by $250 million." HSS members who support higher appropriations of the National Science Foundation may thus wish to contact their representatives immediately and urge them to support the priorities for science established in the bill passed by the subcommittee. By the time this issue of the HSS Newsletter appears, however, the full House may have voted on this matter, and HSS members may also wish to contact their senators. For further information about this issue contact the HSS Executive Secretary or COSSA, 1522 K Street, NW, Washington, DC 20005; (202) 842-3525; fax (202) 842-2788.

Appropriations for the National Archives

Historians of science whose research depends upon the resources of the U.S. National Archives may wish to join with other scholars—called to action by the National Coordinating Committee for the Promotion of History, to which HSS belongs—in a campaign for substantial budget increases for 1992 for the National Archives and Records Administration. In particular, the Committee and its allies recommend increases for the National Historical Publications and Records Commission; for records appraisal, declassification (if needed), disposition, description, and servicing; for the preservation of electronic records; and for Archives II, NARA's new facility scheduled to open in College Park, MD, in 1994. Copies of an NCC Briefing Sheet on the issue, with specific suggestions for action, are available from the HSS Executive Secretary, or from the National Coordinating Committee, 400 A Street, SE, Washington, DC 20003; (202) 544-2422.

RELATED ORGANIZATIONS

The American Association for the History of Medicine invites proposals for papers on any aspect of the history of medicine for its 1992 annual meeting, 30 April-3 May, in Seattle. Papers must represent original work not already published or in press. Potential speakers should submit seven copies of a one page abstract incorporating a statement of the research question, findings and conclusion, as well as name, title, preferred mailing address, work and home telephone numbers, present institutional affiliation and academic degrees by 15 October 1991 to Steven J. Peitzman, Department of Medicine, Medical College of Pennsylvania, 3300 Henry Avenue, Philadelphia, PA 19129; (215) 842-6988.

BJHS Back Issues Sale

Although the History of Science Society has ended its sale of back issues of Isis and Osiris announced in the last issue of the HSS Newsletter, the British Society for the History of Science has continued its own sale of back issues of the British Journal for the History of Science. Although the sale closed officially on 30 June, the BSHS Executive Secretary will extend it briefly for HSS members (and their libraries) who submit orders as soon as possible after that date. Prices per issue, including surface postage and handling (for BSHS members, HSS members, and libraries only are $3.00 for issues published from 1962 through 1973).
History of Science Society
Society for the History of Technology

JOINT ANNUAL MEETING
AND
CONFERENCE ON CRITICAL PROBLEMS AND RESEARCH FRONTIERS
IN HISTORY OF SCIENCE AND TECHNOLOGY

30 October—3 November 1991

1991 ANNUAL MEETING

From 30 October through 3 November, the History of Science Society will hold its 1991 annual meeting concurrently with the annual meeting of the Society for the History of Technology and the jointly sponsored Conference on Critical Problems and Research Frontiers in History of Science and Technology in Madison, Wisconsin. The meeting marks the fiftieth anniversary of the University of Wisconsin’s Department of the History of Science. In addition, a special session will also celebrate the fiftieth anniversary of the American Institute of the History of Science. The meeting’s registration form appears on p. 26. Please complete and return this form as soon as possible, as fees rise after 1 October 1991.

Hotel Reservations

The two conference hotels are The Concourse Hotel [One West Dayton Street, Madison, WI 53703; (608) 257-6000] and the Inn on the Park, 22 South Carroll Street, Madison, WI 53703; (608) 257-8811]. Reservations at both hotels will be handled by the Concourse. Those wishing the conference rates must reserve their rooms before 30 September 1991.

The conference rates at both hotels are $45 for a single; $69 for a double, triple, or quad, exclusive of sales tax (5%) and room tax (7%). To register, please call (800) 356-8293, and indicate that you are reserving a room for the “HST” meeting. Those living abroad, or where “800” (inward WATS) service is unavailable (and only such people) should write directly to The Concourse Hotel; address above.

It may be possible to make child-care arrangements for a limited number of participants in the conference. If such care is required, please contact Harold J. Cook, at (608) 263-7378.

Critical Problems Conference

The CPC has been planned by a joint committee of both societies, comprising Joan Lisa Bromberg, Loren R. Graham, Frederic L. Holmes (co-chair), Judith McGaw, Glenn Porter, Robert C. Post, Charles Rosenberg, and Bruce Sinclair (co-chair). Their activities were supported by a planning grant (made jointly to both societies) from the National Science Foundation Program on Studies in Science, Technology, and Society. An analogous major grant will support the CPC itself.

Twenty CPC sessions will consist of general discussion of precirculated papers available on request from the Local Arrangements Committee. Grant support has subsidized their duplication, but individuals must pay a portion of postage and handling costs. Please indicate your interest on the registration form.

Banquets and Box Lunches

Each Society will hold its own awards banquets; all meeting participants are, of course, welcome to register for either or both through the meeting’s registration form. In addition, those attending workshops and committee and interest group meetings scheduled at 11:45 a.m. each day may wish to avoid lunchtime rush by ordering box lunches. These will be available only to those who reserve them through the meeting’s registration form.

Excursions and other Special Activities

This year’s meetings will also offer four different half-day excursions. One trip will go to Taliesin, the home of Frank Lloyd Wright, and the location of an architectural school that carries on Wright’s ideas. A second will visit Horicon Marsh National Wildlife Refuge, which is a large wetlands area where tens of thousands of Canada geese and other waterfowl stop over on their seasonal migrations. Late October should see the peak of the migration season. A third trip will take visitors to the Time Museum in Rockford, Illinois, where they will see an impressive collection of timepieces spanning many centuries. Finally, there will also be a short excursion to the Capital Brewery in Middleton, Wisconsin, where visitors will be able to inspect the process for making beer and sample the local brew. Availability of places for these excursions is limited, and they will cost a bit extra, so please sign up for them on the registration form.

Aside from these trips out of town, there will be things to do in Madison as well. The Rare Book Room of the University’s Memorial Library will be having an open
house for meeting participants on Thursday afternoon, featuring a special display assembled by John Neu from Wisconsin’s large history of science collection. On Friday afternoon, the Wisconsin State Historical Society will host a tour of the Society’s extensive archival holdings and library of North American History, followed by a reception. The Historical Society’s holdings include more than 2.8 million items on U.S. and Canadian history, and are especially renowned for its collection of North American newspapers, which is the largest anywhere outside of the Library of Congress. The tour and reception at the Historical Society are free to anyone who wishes to go, but the group must be limited to the first 150 people who sign up for it. Please indicate your interest on the registration form.

Travel Arrangements

Madison is served by six major airlines: American, Midway, Midwest Express, Northwest, TWA, and United. Attendees may, of course, make their own arrangements or work with their own travel agents, and the Local Arrangements Committee recommends Midwest Express very highly. Others have found that dealing with the meeting’s “official travel agent”—Ambassador Travel [1011 4th Avenue, Suite 2401, Seattle, WA 98104, (800) 233-8263, (206) 467-9186, fax (206) 467-9186]—yields real benefits. These include exclusive discounted airfares (5% off the least expensive published fares) and discounted car rentals. To receive these special rates, please contact the agency (at its toll-free number) and identify yourself as an attendee of the History of Science Society and History of Technology Meeting. Please call on weekdays between 7:00 a.m. to 5:00 p.m. (Pacific Time).

Those who fly into Chicago O’Hare can connect to Madison by bus as well as by plane. The Van Galder-Alco Bus provides comfortable and rapid service to the University’s student union. The bus leaves every hour-and-one-half from O’Hare (and every hour between 4:00 and 6:00 p.m.), the trip takes 3 hours (or less), and the round-trip fare (as of May 1991) is $29.

Travel Grants

With support from the Richard Lounsbery Foundation and other funds, the Society will again award travel grants for the 1991 annual meeting for independent scholars, advanced graduate students, and individuals (including those with temporary and part-time appointments) teaching at smaller colleges and universities without travel budgets. To enable individuals to make early travel plans, the deadline was moved this year to late May, and it will continue to be late May in future years. For the 1991 annual meeting, however, a second competition will be held: applications for this second round must be received by the HSS Executive Secretary by Monday, 19 August 1991. These should include a curriculum vitae and a brief letter with the names of two individuals who may be asked about the applicant’s scholarly work, the approximate cost of economy-class round-trip airfare (or automobile mileage) to the meeting and (most important) a statement about the applicant’s formal participation in the meeting. Highest priority for funding will be given to those giving papers in a session at either the 1991 Annual Meeting or the Critical Problems Conference, with next highest priority going to those giving works in progress or participating in Society governance. Students should document their status, and those teaching at institutions without travel budgets should provide brief letters from their deans or department heads.

Dinner in Honor of Edward Grant

The meeting will feature a testimonial dinner in honor of Edward Grant, on the occasion of his 65th birthday, to be held on Friday, 1 November, at 7 p.m. (social hour and cash bar at 6:00 p.m.) in the Beefeaters’ Room of the University of Wisconsin Student Union. Space is limited, reservations will be made on a first-come, first-served basis, and must be received by 23 October 1991. Those wishing to attend should indicate their meal choices (beef, chicken, or vegetarian) and send $20 per person to David C. Lindberg (Department of the History of Science, University of Wisconsin, Helen C. White Hall 4143, Madison, WI 53706) to whom checks should be made payable. Payment should not be enclosed with or added to regular meeting registration payment.
Michael Faraday: Archives, Manuscripts, and Correspondence in Great Britain. Lenore Symons, Institution of Electrical Engineers

Stopping Time: Faraday and the Creation of Perceptual Order. Ryan Tweney, Bowling Green State University

Geometry and Genius: Mathematics and Method in Faraday's Experiments. David Gooding, University of Bath

Scientist as Hero: Public Images of Faraday. Geoffrey Cantor, University of Leeds


Michael Faraday and Electro-Magnetic Field Theory. John Bryant, University of Michigan

Commentators: Nancy Nersessian, Princeton University, and Frank A.J.L. James,* Royal Institution

Joint Hospitality Suite
10:00 p.m. - ?

THURSDAY, 31 OCTOBER

Registration, Concourse Hotel
8:30 a.m. - 5:00 p.m.

HSS Committee on Honors and Prizes
7:30 a.m. - 8:30 a.m.

HSS Dibner Visiting Historians of Science Meeting
7:30 a.m. - 8:30 a.m.

I. Are There Good Reasons for the Existence of Separate Disciplines of History of Science and Technology? (HSS and SHOT)
9:00 a.m. - 11:30 a.m.

Chairs: Frederic L. Holmes, Yale University
Bruce Sinclair, Georgia Institute of Technology

Panelists:
Ruth Schwartz Cowan, SUNY at Stony Brook
Peter Galison, Stanford University
David Hounshell, Carnegie-Mellon University
Rachel Laudan, University of Hawaii
Mary Jo Nye, University of Oklahoma
Svante Lindqvist, Royal Institute of Technology, Stockholm
2. Secretaries' Workshop: Funding Research in History of Technology and Science (HSS and SHOT)  
11:45 a.m. - 1:15 p.m.  
Chair: Bruce Seely, Michigan Technological University  
Panelists:  
Ronald J. Overmann, National Science Foundation  
Daniel P. Jones, National Endowment for the Humanities  
Janet Greenberg, American Council of Learned Societies  

3. Strategies for Courses on The Scientific Revolution (HSS)  
11:45 a.m. - 1:15 p.m.  
Chair: Richard S. Westfall, Indiana University  
Panelists:  
Robert Westman, University of California, San Diego  
Peter Dear, Cornell University  
Steven J. Harris,* Brandeis University  

Technology and Culture Editorial Committee Luncheon  
11:45 a.m. - 1:30 p.m.  
OSIRIS Editorial Board Luncheon  
11:45 a.m. - 1:15 p.m.  
SHOT Technology Studies and Education Special Interest Group  
11:45 a.m. - 12:30 p.m.  
HSS Women’s Committee  
11:45 a.m. - 1:15 p.m.  
SHOT Albatrosses Special Interest Group (Aviation and Space Technology)  
12:30 p.m. - 1:15 p.m.  
SHOT Pelicans Special Interest Group (Chemical Technology)  
HSS Chemical Sciences Interest Group  
12:30 p.m. - 1:15 p.m.  
Excursion to Horicon Marsh  
12:30 p.m. - 5:00 p.m.  
Excursion to Capital Brewery  
1:30 p.m. - 3:00 p.m.  

II. Doing the History of Technology (SHOT)  
(based on discussion of precirculated papers)  
1:30 p.m. - 4:30 p.m.  
Chair: Colleen A. Dunlavy, University of Wisconsin  

Towards a New Analysis of American Industrialism  
Philip Scranton, Rutgers University  

The Comparative Study of the History of Technology  
Ulrich Wengenroth, Technical University of Munich  

Science and Technology as Intersecting Socio-Cognitive Worlds  
Eda Kranakis, University of Amsterdam  

III. Cultural Critiques of Technology (SHOT)  
(based on discussion of precirculated papers)  
1:30 p.m. - 4:30 p.m.  
Chair: Rosalind Williams, Massachusetts Institute of Technology  

The Frankfurt School, Cultural Studies and the Critique of Instrumental Reason  
Ian Angus, University of Massachusetts  

Technology as Power  
Stanley Aronowitz, City University of New York  
Commentator: Susan Douglas, Hampshire College  

IV. Antiquity (HSS)  
1:30 p.m. - 3:15 p.m.  
Author of precirculated paper: Heinrich von Staden, Yale University  

V. Should Scientists Write History of Science? (HSS)  
1:30 p.m. - 3:15 p.m.  
Author of precirculated paper: Stephen G. Brush, University of Maryland  
Commentator: Martin Rudwick, University of California, San Diego  

VI. The Scientific Revolution (HSS)  
1:30 p.m. - 3:15 p.m.  
Author of precirculated paper: William B. Ashworth, Jr., University of Missouri, Kansas City  
Commentator: Mario Biagioli, UCLA  

VII. Asian Science (HSS)  
1:30 p.m. - 3:15 p.m.  
Author of precirculated paper: Shigeru Nakayama, Kanagawa University  
Commentator: James R. Bartholomew, Ohio State University  

Historians of Technology and their Philosophies: Some Reflections  
Carl Mitcham, Pennsylvania State University
VIII. Science and Government after World War II (HSS)
3:30 p.m. - 5:15 p.m.

Author of precirculated paper: Nathan Reingold, National
Museum of American History, Smithsonian Institution

Commentator: Stuart W. Leslie, Johns Hopkins University

IX. History of Modern Experimental Life Sciences (HSS)
3:30 p.m. - 5:15 p.m.

Authors of precirculated paper: Gerald Geison, Princeton
University; Daniel J. Kevles, California Institute of Technology

Commentator: John E. Lesch, University of California, Berkeley

X. Medieval Science (HSS)
3:30 p.m. - 5:15 p.m.

Author of precirculated paper: David C. Lindberg,
University of Wisconsin

Commentator: Joan Cadden, Kenyon College

XI. The Social Sciences and the History of Science (HSS)
3:30 p.m. - 5:15 p.m.

Author of precirculated paper: Steven Shapin, University of
California, San Diego

XII. Gender in Science and Technology (HSS and SHOT)
7:30 p.m. - 9:30 p.m.

Chair: Robert Nye, University of Oklahoma

Feminism Confronts Technology
Judy Wajcman, University of New South Wales

Gender and Science: A Case Study of Disciplinary and
Political Divergences
Evelyn Fox Keller, University of California, Berkeley

The Cultural Construction of Masculinity in Technology
Carroll Pursell, Case Western Reserve University

Reception, Memorial Union Great Hall
9:30 p.m. - 11:15 p.m.

Joint Hospitality Suite
11:15 p.m. - ?

FRIDAY, 1 NOVEMBER

Registration, Concourse Hotel
8:30 a.m. - 5:00 p.m.
SHOT Jovians Special Interest Group (Electrical Technology)
12:30 p.m. - 1:15 p.m.

Excursion to Taliesen
12:30 p.m. - 5:00 p.m.

XIV. Women in Technology and Science (HSS and SHOT)
(based on discussion of precirculated papers)
1:30 p.m. - 4:30 p.m.

Chair: Rima D. Apple, University of Wisconsin, Madison
Speakers:
Sally Gregory Kohlstedt, University of Minnesota
Kathleen Ochs, Colorado School of Mines
Commentator: Margaret W. Rossiter, Cornell University

XV. Knowing, Thinking, and Doing (SHOT)
(based on discussion of precirculated papers)
1:30 p.m. - 4:30 p.m.

Chair: Gail Cooper, Lehigh University

On the History and Sociology of Hand Work: The Mechanic as Blacksmith and Bricoleur
Douglas Harper, SUNY College at Potsdam

Minding the Shop: Technology and Cognition
Charles Keller, University of Illinois

Knowledge in Things and Knowledge of Things
Steven Lubar, National Museum of American History, Smithsonian Institution
Commentator: John Staudenmaier, SJ, University of Detroit

XVI. The History of Military Technology (SHOT)
(based on discussion of precirculated papers)
1:30 p.m. - 4:30 p.m.

Chair: Alex Roland, Duke University

Speakers:
Carlo M. Cipolla, University of California, Berkeley, and University of Florence
Daniel Headrick, Roosevelt University
Barton Hacker, Oregon State University
Commentator: William McNeil, University of Chicago

XVII. Technology and the Environment (SHOT)
(based on discussion of precirculated papers)
1:30 p.m. - 4:30 p.m.

Chair, Michal McMahon, New Jersey Institute of Technology

Working Environments
Arthur McEvoy, Northwestern University

Ratings First! Earth Later! Media Depictions of Environmental Issues
Michael Smith, University of California, Davis

Engineering a Better Environment
Jeffrey Stine, National Museum of American History, Smithsonian Institution
Commentator: Ted Steinberg, University of Michigan

XVIII. The Cognitive Sciences and the History of Science (HSS)
1:30 p.m. - 3:15 p.m.

Author of precirculated paper: Nancy Nersessian, Princeton University

XX. History of Mathematics and History of Science (HSS)
1:30 p.m. - 3:15 p.m.

Author of precirculated paper: Joan L. Richards, Brown University

XXI. History of Medicine and History of Science (HSS)
1:30 p.m. - 3:15 p.m.

Author of precirculated paper: John Harley Warner, Yale University

Commentator: Charles Rosenberg, University of Pennsylvania

XXII. The Moral Economy of Science (HSS)
3:30 p.m. - 5:15 p.m.

Author of precirculated paper: Lorraine J. Daston, University of Göttingen

Commentator: Peter Dear, Cornell University

XXIII. History of the Exact Sciences (HSS)
3:30 p.m. - 5:15 p.m.

Author of precirculated paper: Noel Swerdlow, University of Chicago

Commentator: Jed Z. Buchwald, University of Toronto
XXIV. Open Forum on Critical Problems in the History of Science (HSS)
3:30 p.m. - 5:15 p.m.
Moderator: Frederic L. Holmes, Yale University

Reception, Wisconsin State Historical Society
4:00 p.m. - 5:00 p.m.

HSS Business Meeting
5:30 p.m. - 6:15 p.m.

SHOT Military History Special Interest Group
5:30 p.m. - 6:30 p.m.

SHOT TEMSIG Special Interest Group (Technology Museums)
5:30 p.m. - 6:30 p.m.

HSS President's Reception for Council Members
6:15 p.m. - 7:00 p.m.

Joint Reception
6:00 p.m. - 8:00 p.m.

ISIS Editorial Board Dinner
7:00 p.m. - 9:00 p.m.

SHOT Awards Banquet
7:30 p.m. - 10:00 p.m.

HSS Forum for History of Science in America: Business Meeting
8:00 p.m. - 8:30 p.m.

HSS Forum for History of Human Science: Business Meeting
8:00 p.m. - 8:30 p.m.

Forums for American and Human Sciences: Joint Panel Discussion of Carl Degler, In Search of Human Nature
8:30 p.m. - 10:00 p.m.

Moderator: Edward J. Larson, University of Georgia

Panelists:
Elazar Barkan, California Institute of Technology
Robert J. Richards, University of Chicago
Henrika Kuklick, University of Pennsylvania

HSS Astronomy Interest Group: Business Meeting and Tour of Washburn Observatory
8:30 p.m. - 11:00 p.m.

Joint Hospitality Suite
10:00 p.m. - ?

SATURDAY, 2 NOVEMBER

Registration, Concourse Hotel
8:30 a.m. - 5:00 p.m.

HSS Committee on Research and the Profession
7:30 a.m. - 8:30 a.m.

HSS Committee on Meetings and Programs
7:30 a.m. - 8:30 a.m.

6. Much Ado About Medieval and Early Modern Cosmology: A Session in Honor of Edward Grant (HSS)
8:30 a.m. - 10:15 a.m.

Organizer: Peter G. Sobol, University of Wisconsin-Madison

Chair: David C. Lindberg, University of Wisconsin-Madison

The Order of the Heavens from Isidore to the Twelfth-Century Reform in Cosmology.
Bruce Eastwood, University of Kentucky

Aristotelian Commentaries, Summae, and Scientific Change.
Edith Sylla, North Carolina State University

Place and Void in Early Seventeenth-Century Textbooks.
Roger Ariew, Virginia Polytechnic Institute and State University

Commentator: Edward Grant, Indiana University

7. Natural History in the Middle West: The Nineteenth Century (HSS and the Society for the History of Natural History)
8:30 a.m. - 10:15 a.m.

Chair: William A. Deiss,* Smithsonian Institution Archives

"A Naturalist Among the First of Our Western Men": Philo R. Hoy (1816-1892), Racine, Wisconsin.
William A. Deiss

Increase Allen Lapham and the Networks of Science in Nineteenth-Century America.
Elizabeth B. Keeney, Harvard University

Robert Kennicott, Illinois' Pioneering Naturalist.
Ron Vasile, The Chicago Academy of Sciences

Local Institutions of Science in the Middle West.
Daniel Goldstein, University of Iowa

8. Policy Implications of Gender Research in Science, Technology, and Medicine (HSS)
8:30 a.m. - 10:15 a.m.

Chair: Ann B. Shteir,* York University

Now You See 'Em, Now You Don't: The Gender Dynamics of Bio-Medical Research.
Gina Feldberg, York University
Bioethics, Feminism, and the “Perfect Child”: Social Policy Implications.
Joan Rothschild, University of Lowell

Science Policy or Social Policy for Women in Science: Lessons from Historical and Contemporary Case-Studies.
Pnina G. Abir-Am, Johns Hopkins University

Commentators: Judith Walzer Leavitt, University of Wisconsin-Madison; Ruth Schwartz Cowan, State University of New York at Stony Brook

9. Between Science and Technology: The Construction of Instrumentation (HSS)
8:30 a.m. - 10:15 a.m.

Chair: Richard Sorrenson,* Indiana University

The Ocular Harpsichord of Louis-Bertrand Castel, or the Instrument that Wasn’t.
Thomas L. Hankins, University of Washington

Between Science and Industry: Ramsden’s Dividing Engine.
Richard Sorrenson

Automation in Instrumentation: The Changing Place of the Observer in the Nineteenth Century.
Zeno Swijtink, Indiana University

What is Proof? Alcohol Content as Contested Terrain between Science and Practice.
Deborah Jean Warner, National Museum of American History, Smithsonian Institution

10. On a Piece of Huxley: A Wider View of Thomas H. Huxley (HSS)
8:30 a.m. - 10:15 a.m.

Chair: Nancy Slack,* Yale School of Medicine

Thomas Huxley: Convincing Men They are Monkeys.
Sherrie Lyons,* Sonoma State University

Homo Scientificus: Thomas Huxley, the Man of Science and the Sciences of Man in Victorian England.
Paul White, University of Chicago

Joy Harvey, University of Oklahoma

Commentator: James Paradis, Massachusetts Institute of Technology

11. Recent Themes in Language and Rhetoric of Science (HSS)
8:30 a.m. - 10:15 a.m.

Co-Chairs: Cheryce Kramer, University of Chicago, and Amir Alexander, Stanford University

Mathematical Physics in America During the 1920s: Rhetoric and Research.
Loren Butler, University of Chicago

Humanist Reforms of Dialectic and Scholastic Cosmology Debates.
Garrit Curfs, Virginia Polytechnic Institute and State University

Goethe’s History of Science.
Karl J. Fink, St. Olaf College

The Rhetorical Constitution of Wilhelm Ostwald’s Energetics.
Mi Gyung Kim, Rutgers University

12. Historians Chasing Computers: A Panel on Biographical Databases in History of Science (HSS)
8:30 a.m. - 10:15 a.m.

Chair: Arnold Thackray, University of Pennsylvania

Panelists:
Robert A. Hatch, University of Florida
Philip F. Rehbock,* University of Hawaii
P. Thomas Carroll, Rensselaer Polytechnic Institute
Ronald Weissman, NeXT Computer, Inc.
Frank J. Sulloway, Massachusetts Institute of Technology

13. Works in Progress: Selected Topics in the History of Science and Technology (HSS)
8:30 a.m. - 10:15 a.m.

Chair: Alexi Assmus, University of California, Berkeley

Robert H. Silliman, Emory University

Benjamin Silliman, Jr. and Western Mining: Scientific Consulting in Gilded Age America.
George E. Webb, Tennessee Technological University

Testing a Tradition, II: Charles T. Jackson and the Native Copper of Lake Superior.
David J. Krause, Henry Ford Community College

Doing the Right Science at the Wrong Time: The Canadian Fisheries Expedition of 1914-1915.
Eric L. Mills, Dalhousie University

Thinking about Nineteenth Century Astronomy as Big Science.
Karen A. Rader, Indiana University

Against the House: The Relationship of Gamblers to Probability Theory.
Nora Wainer, City University of New York
Amy Sue Bix, Johns Hopkins University

14. National Telephone Systems in Comparative Perspective (SHOT)
8:30 a.m. - 10:15 a.m.
Organizer: Pamela Laird Chair: Daniel Headrick
Commentator: Patrice A. Carre
Speakers: Andrew Butrica, Kenneth Lipartito, Frank Thomas

15. Technology as Social Process (SHOT)
8:30 a.m. - 10:15 a.m.
Organizer: Andrew Jamison
Speakers: Ami Svensson, Mikael Hard, Andrew Jamison

16. Authority and Expertise in Technological Development (SHOT)
8:30 a.m. - 10:15 a.m.
Chair: Hans-Joachim Braun Commentator: Bruce Seely
Speakers: Paul Ceruzzi, Roger Launius, Vincent Brannigan

17. Astronomers and Telescopes (HSS)
10:30 a.m. - 12:15 p.m.
Chair and Commentator:
Owen Gingerich,* Harvard-Smithsonian Center for Astrophysics

Telescopes in the Age of Cassini.
Albert Van Helden, Rice University

Slough to Melbourne: Observing with Speculum.
Robert Smith, National Air and Space Museum, Smithsonian Institution, and Johns Hopkins University

Donald Osterbrock, Lick Observatory

18. Science and the Evolution of Values in Early Modern Europe (HSS)
10:30 a.m. - 12:15 p.m.
Chair and Commentator: Katharine Park, Wellesley College

Curiosity and the Polemic Against Secrecy in the Renaissance.
William Eamon, New Mexico State University

The Discourses of the Virtuosi of France and Social Values.
Kathleen Wellman,* Southern Methodist University

Patriotism, Science, and Improvement: Beekeeping and the Study of Bees in the German Enlightenment.
Henry Lowood, Stanford University

19. Pictures and Theories: Visual Representations in 19th- and 20th-Century Geology, Biology, and Medicine (HSS)
10:30 a.m. - 12:15 p.m.
Chair: Lynn Nyhart, University of Wisconsin-Madison

Early Visual Representations of the Prehuman World.
Martin Rudwick, University of California, San Diego

The Evolution of Wallace's Line.
Jane Camerini,* University of Wisconsin-Madison

Beyond Mere Description: William Morris Davis, Block Diagrams, and Genetic Description.
Mark Hineline, University of California, San Diego

Greg Mitman,* University of Oklahoma

Persuading by Pictures: The Visualization of Coronary Thrombosis in the 1920s.
Christopher Lawrence, Wellcome Institute for the History of Medicine.

20. Recent Themes in the History of Modern Physics (HSS)
10:30 a.m. - 12:15 p.m.
Chair: Diana L. Barkan, California Institute of Technology

Adrienne W. Kolb, Fermi National Accelerator Laboratory, and Lillian Hoddeson, University of Illinois, Urbana-Champaign

Geneses of Scientific Ideas as Historiographic Goal.
Paul Forman, National Museum of American History, Smithsonian Institution

Expanding Pools of Measurables and Increasing Degree of Axiomatization: Historical Laws in the Development of Physics.
Wen-yuan Qian, Blackburn College

Defining Reality: Search for the Neutrino.
Charles E. Atchley, University of Minnesota

21. Symposium on the Historical Lessons of Methodological Struggles in the Social Sciences (HSS)
10:30 a.m. - 12:15 p.m.
Chair: Steve Fuller,* Virginia Polytechnic Institute and State University

Making Counterfactuals Safe for the History of Science: Applying the Lessons of the New Economic History.
Steve Fuller and William Lynch, Cornell University

The Importance of Studying Failures in the History of Science: The Case of Interdisciplinary Social Research in the Post-World War II Era.
Mark Solovey, University of Wisconsin-Madison
David Valone, University of Chicago

Stabilizing the Place of Economics in the Scientific Hierarchy of 19th Century Britain.
James Henderson, Valparaiso University

Mosca, Gramsci, and the Elitist Paradigm in Social Science.
Maurice A. Finocchiaro, University of Nevada-Las Vegas

22. Theories of Salvation and the Progress of Science in Medieval and Early Modern Times: Inter-Cultural Perspectives (Islam, Judaism, and Christianity) (HSS)
10:30 a.m. - 12:15 p.m.
Chair: Amos Funkenstein, University of California, Los Angeles
Concepts of Salvation and the Course of Arabic Science
A. I. Sabra,* Harvard University
Incentives and Impediments to Science in the Medieval Jewish Community: The Soteriological Factor
Gad Freudenthal,* CNRS, Paris
Protestant Soteriology and the Legitimation of the New Science in the Seventeenth and Early Eighteenth Centuries
Michael Heyd, Hebrew University, Jerusalem
Commentator: Bernard R. Goldstein, University of Pittsburgh.

23. Works in Progress: Methods and Resources in History of Science (HSS)
10:30 a.m. - 12:15 p.m.
Chair: Clark Elliott, Harvard University Archives
The John Herschel Correspondence Project.
Michael J. Crowe, University of Notre Dame
Karl Hufbauer, University of California, Irvine
The Algebra of Master Dardi of Pisa: A Fourteenth-Century Masterwork.
Warren Van Egmond, Arizona State University
Thomas Söderqvist, University of Gothenburg, Sweden
Jeffrey C. Brautigam, University of Florida

Tools of Enlightenment: The Material Culture of Science in Eighteenth-Century Britain.
Alice Walters, University of California, Berkeley

24. Culture and Cognition: New Approaches to the Study of Invention and Innovation (SHOT)
10:30 a.m. - 12:15 p.m.
Organizer: W. Bernard Carlson Chair: Tom Peters
Commentators: David C. Gooding and Joe Corn
Speakers: Bryan Pfaffenberger, W. Bernard Carlson and Michael E. Gorman

25. Technology Transfer (SHOT)
10:30 a.m. - 12:15 p.m.
Commentator: Darwin Stapleton
Speakers: Wim Ravesteijn, Anthony Stranges, Margaret Leidelmeijer

26. What Engineers Know and How They Know It (SHOT)
10:30 a.m. - 12:15 p.m.
Organizer and Commentator: Glenn Bugos Chair: Stuart Leslie
Speakers: Takehiko Hashimoto, Edward W. Constant, Walter G. Vincenti

HSS Committee on Education
12:15 p.m. - 1:30 p.m.

HSS Committee on Independent Scholars
12:15 p.m. - 1:30 p.m.

SHOT Information, Computers & Society Special Interest Group
12:15 p.m. - 1:30 p.m.

SHOT WITH Special Interest Group (Women in Technological History)
12:15 p.m. - 1:30 p.m.

HSS Committee on Finance (followed from 4:00 - 5:00 by Budget Subcommittee)
1:30 p.m. - 4:00 p.m.

27. Science in the Soviet Union: New Perspectives (HSS)
1:30 p.m. - 3:15 p.m.
Chair and Commentator: Loren R. Graham, Massachusetts Institute of Technology
Ronald E. Doel,* Center for History of Physics, American Institute of Physics
Soviet Astronomy and the Great Terror of 1936-38.
Robert A. McCutcheon, Computer Sciences Corporation

28. Galileo, His Precursors, and His Followers (HSS)
1:30 p.m. - 3:15 p.m.
Chair: Maurice A. Finocchiaro,* University of Nevada-Las Vegas

Galileo’s Use of the Paduan Regressus in His Astronomical Discoveries.
William A. Wallace, University of Maryland-College Park

Exploring the Limits of Preclassical Mechanics.
Jürgen Renn, Boston University

Mario Biagioli, University of California, Los Angeles

Commentator: Richard S. Westfall, Indiana University

29. The Evolution of Interpretations of Quantum Mechanics (HSS)
1:30 p.m. - 3:15 p.m.

Chair: Max Dresden, Stanford University

Bohr’s Principle of Complementarity—The Arguments and the Rhetoric.
Mara Beller, The Hebrew University of Jerusalem

Spreading the Spirit: Werner Heisenberg and the Copenhagen Interpretation.
David Cassidy, Hofstra University

Attempts to Decide Experimentally Between Schroedinger’s and Born’s Interpretations of Wave Mechanics.
Linda Wessels, Indiana University

The Fate of Causal Quantum Theory.
James T. Cushing,* University of Notre Dame

30. Humanism and Science (HSS)
1:30 p.m. - 3:15 p.m.

Chair and Commentator: Peter Dear,* Cornell University

The Writings of Georgius Agricola on Science and Technology.
Owen Hannaway, Johns Hopkins University

Humanist Methods of Natural Philosophy in Jean Bodin’s Universae Naturae Theatrum.
Ann Blair*

Anthony Grafton, Princeton University

Epicureanism in Renaissance Ethics and Natural Philosophy.
Lynn Sumida Joy, University of Notre Dame

31. Newton’s Mechanics: The Last Thirty Years of Scholarship and Beyond (HSS)
1:30 p.m. - 3:15 p.m.

Chair: Herman Erlichson,* The College of Staten Island of the City University of New York

Fundamental Problems of the Principia in Retrospect.
I. Bernard Cohen, Harvard University (Emeritus)

The Formulation of the Principia.
D. T. Whiteside, Cambridge University

The Unique, Critical, and Continuing Role of Curvature in Newton’s Dynamics.
J. Bruce Brackenridge, Lawrence University

“By Their Properties, Causes, and Effects”: Newton’s Scholium on Space, Time, and Motion.
Robert Rynasiewicz, Johns Hopkins University

Conics are the Only Inverse-Square Orbits: The Principia’s Sketch Becomes a Proof.
Bruce Pourciau, Lawrence University

Newton’s Earliest Work on the Inverse Problem.
Herman Erlichson

32. Works in Progress: The Mind, Body, and Society (HSS)
1:30 p.m. - 3:15 p.m.

Co-Chairs: Richard M. Burian, National Humanities Center and Virginia Polytechnic Institute and State University, and Doris T. Zallen, Virginia Polytechnic Institute and State University

The Nature and Evolution of the Chinese Medical Gaze.
Shigehisa Kuriyama, Emory University

Mary Bogin, Cornell University

Challenging the Search for General Laws: Pragmatist Psychologists During the Great Depression.
Katherine Ann Pandora, University of California, San Diego

Cultural Determinants of Biological Determinism: The Reception of Sociobiology in the West and the East.
Ullica Segerstråle, Illinois Institute of Technology

Robert L. Martenssen, University of California, San Francisco

Kathy J. Cooke, University of Chicago

Karl Lashley and Holism.
Nadine Weidman, Cornell University
33. Works in Progress: Social and Cultural Relations of Science and Technology (HSS)
1:30 p.m. - 3:15 p.m.

Co-chairs: Matt Price, Stanford University, and Christophe Lecuyer, Stanford University

Modern Science in the United States and Japan: A Comparative Study
Ansu Gu, University of Science and Technology of China

The Semiotics of the Wire: Gender, Language, and the Telegraph in Henry James’ “In the Cage.”
Debra J. Rosenthal, Princeton University

Karl Aloys Schenzinger’s Novel, Anilin: Chemistry and Chemical Technology in Nazi Literaturpolitik.
Michael N. Keas, University of Oklahoma

Beyond the Material: Object and Essence in Modern Art.
Steve Jones, Embry Riddle Aeronautical University

The Shifting Character of Sir David Brewster’s Ideas on the Plurality of Worlds.
Miguel de Asis, University of Notre Dame

From the Liberal Religion of Reason to Lebensphilosophie, Mysticism, and Nazi Myths: The Responses of the Wilhelminian and the Weimar Theoretical Physicists.
Peter A. Degen, University of California, Berkeley

Vera Causae and the Religious Orientation of John Herschel’s Philosophy of Science.
Marvin Bolt, University of Notre Dame

34. Inventing, Building, and Selling a Technologized France in the Twentieth Century (SHOT)
1:30 p.m. - 3:15 p.m.

Organizer: Robert L. Frost  Chair: Edward T. Gargan
Commentator: C. Rodney Day
Speakers: Rosemary Wakeman, Gabrielle Hecht, Robert L. Frost

35. Issues in Biomedical Technology (SHOT)
1:30 p.m. - 3:15 p.m.

Organizer: Ellen Koch  Chair: Nancy Rockafeller
Commentator: Adrian Noc
Speakers: David Cantor, Julie Fairman, Susan Cozzens and Alfred Kaut

36. Manufacturing and Labor in America (SHOT)
1:30 p.m. - 3:15 p.m.

Chair: Larry Gross
Speakers: Sara Wermiel, Timothy Sullivan, Ronald Edsforth

37. Interdisciplinary Experiments: Poetics, Science, and History in Early Modern Europe (HSS and Society for Literature and Science)
3:30 p.m. - 5:15 p.m.

Chair and Commentator: James Bono, Institute for Advanced Study

The Plane of Subjectivity: The Place of Fiction in Early Modern Science.
Paula Findlen,* University of California, Davis

Sightlessness and Insight: Milton’s Blindness: Contexts of Literature, Medicine, and Astronomy.
Pamela Gossin,* University of Oklahoma

Canonical Misrepresentations: The Problem of Technology in Milton and Newton.
Kenneth Knospel, Georgia Institute of Technology

38. Research Schools from Multidisciplinary Perspectives (HSS)
3:30 p.m. - 5:15 p.m.

Chair: Robert W. Seidel,* University of California

Tacit Knowledge and School Formation.
Kathryn M. Olesko, Georgetown University

Research Schools of Molecular Biology in Britain, France, and the United States. - Phina G. Abir-Am, Johns Hopkins University

Building Traditions: Research Schools in Early Operations Research.
Robin E. Rider, Bancroft Library, University of California, Berkeley

Commentator: Karl Hufbauer, University of California, Irvine

39. The Role of Comets in the Scientific Revolution (HSS)
3:30 p.m. - 5:15 p.m.

Chair: Bernard R. Goldstein, University of Pittsburgh

Comets and the Earth’s Rotation from al-Tusi to Copernicus.
F. Jamil Ragep, University of Oklahoma

The Optical Theory of Comets from Apian to Kepler.
Peter Barker,* Virginia Polytechnic Institute and State University

Roger Ariew, Virginia Polytechnic Institute and State University

40. New Light on Classic Topics in the History of Science (HSS)
3:30 p.m. - 5:15 p.m.

Chair: Joel Gennath, Center for History of Physics, American Institute of Physics

“Saving the Phenomena” in Ancient Greek Astronomy.
James Evans, University of Puget Sound
John Tolan, University of Wisconsin-Milwaukee

A "Barrier" Account of the Overthrow of Phlogiston.
Howard Margolis, University of Chicago

Faraday and Sturgeon: Different Experimental Lives.
Iwan Rhys Morus, University of Cambridge

Jun Fundano, Kanazawa Institute of Technology

41. Political Agendas and Powerful Constituencies (HSS)
3:30 p.m. - 5:15 p.m.

Chair: Lorraine J. Daston, University of Göttingen

The Germanic "Hero of Knowledge" (the Researcher) as Modern Work of Art.
William Clark,* University of Göttingen

Sulphuric Acid, the Crystal Foundation, and British Enterprise, 1851.
Juliet Fleming, University of Southern California

Cultural Translation: Science as Spectacle in Colonial India.
Gyan Prakash, Princeton University

The "Social Science Movement" in the Era of Professionalism and Specialization in the United States.
Stephen J. Cross,* Johns Hopkins University

42. Works in Progress: Conceptual and Institutional Developments in the Life Sciences (HSS)
3:30 p.m. - 5:15 p.m.

Chair: Vassiliki Betty Smocovits, Stanford University and University of Florida

G. Evelyn Hutchinson: How Did One Man Have So Much Influence on Ecology?
Nancy G. Slack, Russell Sage College

"Nature is Not a Cathedral but a Workshop": Naturalists, Bacteriology and the Culture of Science in Nineteenth-Century Russia.
Elizabeth A. Hachten, Northwestern University

A 20th-Century Phlogiston.
Douglas Allchin, University of Chicago

Beyond the Fringe of the Evolutionary Synthesis: The Case of Bacteria.
William C. Summers, Yale University

Why Do the Birds and the Peas, and the Protozoans, Do It? Nineteenth Century Views on the Evolutionary Significance of Sex.
Susan M. Mooney, Stonehill College

Twentieth Century Biology and the Nobel Prizes.
Valery Cholakov, Northwestern University

From Natural History Cabinet to Zoological Institute: The Institutionalization of Zoology in the German University in the Nineteenth Century
Marsha L. Richmond, Darwin Correspondence Project

43. Works in Progress: Conceptual and Institutional Developments in the Physical Sciences (HSS)
3:30 p.m. - 5:15 p.m.

Chair: Maila Walter, Harvard University

The Energism of Wilhelm Ostwald: Chemistry as Science and Philosophy.
James A. Altena, University of Chicago

The Emergence of the Cavendish School.
Dong-Won Kim, Seoul National University

"The Roof of an Old Theory": Leo Szilard's Exorcism of Maxwell's Demon.
R. Scott Sheffield, University of Florida

The Zeeman Effect and the "Construction" of the Concept of the Electron.
Theodore Arabatzis, Princeton University

Puzzles in the Technology of Experiment: Galileo's Work in 189v.
David K. Hill, Augustana College

Newton on Relative Space: A Fresh Look.
Richard T.W. Arthur, Middlebury College

Larry Randles Lagerstrom, University of California, Berkeley

44. U.S. and Latin American Exchanges in Science and Technology (HSS and SHOT)
3:30 p.m. - 5:15 p.m.

Organizer, Chair, and Commentator: Ubiratan D'Ambrosio, Unicamp (Brazil)

Charles Frederic Hart and the Beginning of Brazilian Earth Sciences and Technologies.
Milton Vargas

Scientific and Technological Relations between the United States and Latin America in the Twentieth Century.
Adolfo Olea-Franco, Harvard University
45. Imagery and Innovation (SHOT)
3:30 p.m. - 5:15 p.m.
Chair: Marcel LaFollette
Commentator: Edward Pershey
Speakers: Bayla Singer, Julie Wosk, Chris Gray

46. Works in Progress (SHOT)
3:30 p.m. - 5:15 p.m.
Chair: Merritt Roe Smith
Speakers: Brett D. Steele, George Basalla, John K. Brown, Fredric Quivik, Berta Sichel

47. Alternative Media Presentations (SHOT)
3:30 p.m. - 5:15 p.m.
Presenters: Peter Kushkowski, Mary Yeater Rathbun, Matthew Mehalik

HSS Distinguished Lecture
5:30 p.m. - 6:30 p.m.
Chair: Thomas Parke Hughes, University of Pennsylvania
The Case of Gorbachev and the Ghost of the Executed Engineer.
Loren R. Graham, Massachusetts Institute of Technology

Reception
6:30 p.m. - 8:00 p.m.

HSS President's Reception for Prize Winners
6:30 p.m. - 8:00 p.m.

HSS Banquet
8:00 p.m. - 9:30 p.m.

SHOT Executive Council Meeting
9:30 p.m. - 11:00 p.m.

SHOT/HSS Graduate Student Party
9:30 p.m. - 11:30 p.m.

Joint Hospitality Suite
10:00 p.m. - ?

SUNDAY, 3 NOVEMBER

48. Perspectives on Historiography: In Honor of Everett Mendelsohn's 60th Birthday (HSS)
8:30 a.m. - 10:15 a.m.
Organizer: Silvan S. Schweber, Brandeis University
Chair: Barbara G. Rosenkrantz, Harvard University
The Historiography of the Sciences in the Enlightenment.
Shirley A. Roe, University of Connecticut
Evolution and Animal Behavior.
Richard W. Burkhardt, Jr., University of Illinois
The History of the Social History of Science.
Robert Proctor, Pennsylvania State University
The Writing of Policy-Directed History.
Allan Brandt, University of North Carolina
Commentator: Everett Mendelsohn, Harvard University

49. American Pharmaceutical Science and Technology (HSS and AIPHP)
50th Anniversary Session, American Institute of the History of Pharmacy
8:30 a.m. - 10:15 a.m.
Chair: Gregory J. Higby,* American Institute of the History of Pharmacy
Science and Regulation: The Establishment of the Drug Laboratory of the USDA Bureau of Chemistry.
John P. Swann, U.S. Food and Drug Administration
Jon M. Harkness, University of Wisconsin-Madison
Jeffrey L. Sturchio, Merck and Company, Inc.
Commentator: John Parascandola, National Library of Medicine

50. Seventeenth-Century Cosmologies and Philosophies of Nature (HSS)
8:30 a.m. - 10:15 a.m.
Chair and Commentator: Peter Barker, Virginia Polytechnic Institute and State University
Ancients, Moderns, and the History of Philosophy: The Case of Gassendi's Epicureanism.
Margaret J. Osler,* University of Calgary
Cosmology and Theology in the Late 17th Century: The Cases of Athanasius Kircher and Christian Huygens.
Martha Rose Baldwin, Harvard University
Physics or Metaphysics? The Sun in Newton's Cosmology.
B.J.T. Dobbs, University of California, Davis

51. Disciplinary History: Modern Astronomy as a Case Study (HSS)
8:30 a.m. - 10:15 a.m.
Chair: Ron E. Doel, Center for History of Physics, American Institute of Physics
Two Ghettos and a Second Look.
Marc Rothenberg,* Joseph Henry Papers, Smithsonian Institution
Discipline as Community: The Social History of Modern Science.
John Lankford, University of Missouri at Columbia

Science in Government: The Case of the American Astronomical Community.
Robert W. Smith, National Air and Space Museum, Smithsonian Institution, and Johns Hopkins University

52. Enlightenment Problems and Romantic Experiments (HSS)
8:30 a.m. - 10:15 a.m.

Moderator: Frederick Gregory, University of Florida

Humboldt's Vital Genius.
Michael Dettelbach, University of Cambridge

Johann Wilhelm Ritter and the Physics of Sidereal Motion.

Emily Thompson, Princeton University

Martin Collins, National Air and Space Museum, Smithsonian Institution

Zuoyue Wang, University of California, Santa Barbara

The Origins and Early Use of the Ultramicroscope: Between Theoretical Science and Industrial Interests.
David Cahan, University of Nebraska-Lincoln

Educating the Marketplace: Werner Siemens and Academic Electrotechnology, 1875-1890.
Chairs: Stephen G. Brush, University of Maryland  
Carroll Pursell, Case Western Reserve University

Panelists:
Frederick Gregory, University of Florida  
Susan Smulyan, Brown University  
Robert McCormick Adams, Smithsonian Institution

Meeting for OSIRIS Instrument Volume
12:00 p.m. - 3:00 p.m.

Excursion to Time Museum
1:30 p.m. - 5:30 p.m.

Related Organizations - continued
$4.00 (for 1974-80 issues) and $5.00 (for 1981-90 issues).  
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BSHS Executive Secretary, 31 High Street, Stanford in the  
Vale, Faringdon, Oxon SN7 8LH, England; telephone and  
fax (0367) 718-963.

Society for the History of Technology
As previously announced (see HSS Newsletter, January 1991, p. 7), the Society for the History of Technology will hold its  
next annual meeting at Uppsala University, Sweden, about 45  
miles north of Stockholm, 16-21 August 1992, immediately  
after the joint meeting in Gothenburg of the Society for the  
Social Studies of Science and the European Association for the  
Study of Science and Technology (see below). The SHOT
GRANTS & FELLOWSHIPS AVAILABLE

The American Council of Learned Societies will again award fellowships and grants for 1992-93. All require U.S. citizenship or permanent legal residence; requests for application forms must indicate citizenship or permanent residence, highest academic degree held and date received, academic or other position, field of specialization, proposed subject of research or study, period of time for which support is requested, and the specific program under which application is contemplated. Programs include ACLS Fellowships for Research in the Humanities, application deadline, 30 September 1991. ACLS Grants-in-Aid, to support expenses of humanistic research in progress, application deadline, 1 November 1991. Fellowships for Chinese and East European Studies, application deadline, 2 December 1991. Potential applicants should note that the Council has had to suspend the award of travel grants for U.S.-based scholars attending international meetings pending the success of its own grant-seeking efforts, but hopes to resume the program in the near future. (Individuals can ask to be notified if and when the program is resumed.) For further information and applications forms contact the Office of Fellowships and Grants, American Council of Learned Societies, 228 East 45th Street, New York, NY 10017-3398.

The 1992-93 National Program for Advanced Study and Research in China of the Committee on Scholarly Communication with the People's Republic of China supports scholars and advanced graduate students to visit China, and Chinese scholars to visit the United States. Research grants will be awarded primarily for individual projects; those interested in collaborative research must submit discrete proposals. All program participants, except Chinese fellows, must be American citizens or permanent residents. Funding is provided by several federal agencies and private foundations in four categories: The Graduate Program, the Research Program, the China Conference Travel Grants Program, and Chinese Fellowships for Scholarly Development. Each has its own requirements and deadlines. For further information contact the CSCPRC, National Academy of Sciences, 2101 Constitution Avenue, Washington, DC 20418; (202) 334-2718; fax (202) 334-3094.


The School of Historical Studies, Institute for Advanced Study, Princeton, offers research fellowships and temporary memberships for periods ranging from three months to two years. Requirements, appointment details, stipends, application procedures, and deadlines vary with the program, but the Ph.D. (or equivalent) and substantial publications are required of all candidates. For further information and application materials, contact the Administrative Officer, School of Historical Studies, Institute for Advanced Study, Princeton, NJ 08540.

The Macleay-Mikoulo-Macleay Centenary Fellowship is awarded for research in zoology or anthropology, using the collections of the University of Sydney’s Macleay Museum. The historic collections were initiated about 1800 and were given to the University in 1888. Fellows may be required to participate in lectures or demonstrations and may be appointed on a part-time or full-time basis for a period of three to twelve months (although the fellowship in 1991 is unlikely to exceed three months, or pro rata part-time). For further information contact Peter Stanbury, Director of the Macleay Museum, The University of Sydney, NSW, 2006 Australia; telephone (02) 692-2274; fax (02) 692-4203. Applications must be submitted by 31 July 1991.

The National Endowment for the Humanities awards grants under the category of Humanities, Science and Technology, for the support of scholarly research that employs the theories and
methods of humanities disciplines to study science, technology, and medicine. Applicants may request support for full or part-time salaries, travel, and other costs of conducting research for periods of from one to three years. This category of support is for projects that, because of their intellectual scope and consequent size, duration, or complexity, cannot be accomplished through individual one-year fellowships. The next deadline for receipt of applications is **15 October 1991**. For further information and application materials contact Daniel P. Jones, Program Officer for Humanities, Science and Technology, Room 318, National Endowment for the Humanities, Washington, DC 20506; (202) 786-0210.

The **Travel to Collections** program of the National Endowment for the Humanities provides grants of $750 to assist American scholars to meet the costs of long-distance travel to the research collections of libraries, archives, museums, or other repositories throughout the United States and the world. Awards are made to help defray such research expenses as transportation, lodging, food, and photoduplication and other reproduction costs. Deadlines are **15 January and 15 July**. Information and application materials are available from the Travel to Collections Program, Division of Fellowships and Seminars, Room 316, National Endowment for the Humanities, 1100 Pennsylvania Avenue, NW, Washington, DC 20506; (202) 786-0463.

The **National Humanities Center** offers 35-40 academic-year post-doctoral fellowships for advanced study to "senior scholars of recognized accomplishment" and to promising young scholars, who should be no more than ten years beyond the completion of graduate study and should be engaged in research beyond the revision of their dissertations. Application for 1991-92 must be received by **15 October 1991**. For further information and application materials contact Fellowship Program, National Humanities Center, P.O. Box 12256, Research Triangle Park, NC 27709-2256; (919) 549-0661.

The **National Library of Medicine** again plans to select one recognized scholar to engage in historical research and staff consultation during the 1992-93 season. Applications are now invited from individuals interested in spending from six to twelve months at the Library between 1 September 1992 and 31 August 1993. Detailed announcements and applications forms may be obtained from the Chief, History of Medicine Division, National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894; (301) 496-5405. Applications must be submitted by **15 December 1991**.

Graduate students in the history of science...
and technology from all countries except Sweden are encouraged to apply for the newly instituted Lars Hierta Fellowship at the Department for the History of Science and Technology, Royal Institute of Technology, Stockholm. One fellow will be appointed each year, and the successful applicant will be invited to spend one month at the department in Stockholm. The fellowship will include a round trip ticket to Sweden from the student’s home institution, room and board in a student hostel for one month, and a small honorarium, enabling him or her to travel around in Scandinavia to visit other departments, libraries, archives and museums after the month in Stockholm. Applications for the 1992 fellowship must be received before 1 October 1991, should consist of no more than 2 typewritten pages with no appendices, and should be addressed to Svante Lindqvist, Department of History of Science and Technology, Royal Institute of Technology, S-100 44 Stockholm, Sweden; fax (8) 24 62 63.

Stanford University awards Andrew W. Mellon Postdoctoral Fellowships in the Humanities to highly promising scholars-teachers who received their Ph.D.s after June 1985 and before September 1992. These nonfaculty one-year positions carry annual stipends of $31,000 plus benefits, departmental affiliation, limited teaching duties, the opportunity for scholarly work and intellectual growth, and are renewable for a second year. All materials, including applications forms and three letters of reference, are due no later than 15 November 1991; applicants will be notified in late February 1992. For applications forms and further information contact Mellon Postdoctoral Fellowships, The Dean’s Office, Humanities and Science, Building One, Stanford University, CA 94305; (415) 723-2275.

The Woodrow Wilson International Center for Scholars awards approximately 40 residential fellowships each year for advanced research in the humanities and social sciences. The application deadline is 1 October 1991. For further information and application materials contact the Fellowships Office, Woodrow Wilson Center, Washington, DC 20560; (202) 357-2841; fax (202) 357-4439.

Friends of the University of Wisconsin-Madison Library offer two $800.00 residential fellowships annually, each one month in duration, for research in any field of the humanities appropriate to the library’s collections by scholars who live beyond commuting distance to Madison. U.S.-based applicants must have the Ph.D.; foreign graduate students who have yet to complete their dissertations may also apply. Completed applications are due 1 October and 1 April; the fellowships may be taken at any time. For further information and application forms contact Friends of the Library, University of Wisconsin-Madison, 976 Memorial Library, Madison, WI 53706; (608) 262-3243.

POSITIONS

This list is compiled with Anne Millbrooke, Archivist of United Technologies Corporation and includes all position announcements brought to the Society’s attention. Individual notices are drawn (and often condensed) from many sources and (for positions in the U.S. and Canada) usually include affirmative action statements or their equivalent. The Society cannot assume any liability for the accuracy of any listing, and potential applicants should double- and triple-check all requirements, especially closing dates.

The Department of the History of Science, Harvard University, seeks to fill (beginning 1 July 1992) a three-year assistant professorship in the History of Science with special competence in the history of medicine. Candidates should be prepared to teach one course each term and to teach and administer a segment in the Department’s undergraduate tutorial program covering one of the three years of undergraduate concentration. The initial appointment may be renewed for a second three years. Candidates will be expected to complete the doctoral degree by September 1992. Their research may focus on any area or period of the history of medicine, although preference will be given to those whose work centers in Europe or in non-Western traditions.

Initial application materials, including a curriculum vitae and the names of appropriate references should be received by 15 October 1991 by Barbara G. Rosenkrantz, Department of the History of Science, Harvard University, Science Center 235, Cambridge, MA 02138.

The Johns Hopkins University Humanities Center seeks a tenure-track Assistant or Associate Professor in the history of psychiatry, psychoanalysis and/or psychology. Candidates should have strong interests in the relevance of these disciplines to humanistic studies, and should submit letters of application and complete dossiers to Walter Michaels, Department of English, Johns Hopkins University, Baltimore, MD 21218, by 15 September 1991.

Lawrence Livermore National Laboratory seeks a Historian with an interest and background in the history of science and technology or related fields for a position as Historian for the Laboratory, to "produce for publication professional articles of historical value concerning the Laboratory and its past and present programs both from a viewpoint of the development of scientific fields and of the interaction of these developments with societal forces." Cooperation and collaboration with colleagues at the University of California and other universities is expected and will be encouraged. Applicants should possess a Doctorate in History of the equivalent, and a proven record of authorship. Applicants should send resume plus record of authorship to Sandy Rambach, Lawrence Livermore National Laboratory, P.O. Box 5510, L0725, Dept. A91178AD, Livermore, CA 94550. U.S. citizenship required.

The Western Museum of Mining and Industry seeks a Curator of Collections. For further information contact the Museum, 1025 NorthGate Road, Colorado Springs, CO 80921.

The Department of the History of Science, University of Wisconsin-Madison, announces a probable tenure-track opening for an assistant professor specializing in the history to modern (since 1800) science, to begin August 1992. Candidates with completed Ph.D.s
are strongly preferred and should submit a full curriculum vitae, a statement of research and teaching plans and interests, and at least three letters of recommendation. Finalists will be asked to provide additional material. Application deadline: 1 October 1991; some preliminary interviewing will occur at the HSS annual meeting in Madison. Inquiries and applications should be addressed to David C. Lindberg, Department of the History of Science, University of Wisconsin, Helen C. White Hall 4143, Madison, WI 53706; (608) 262-1406/3971/7915.

POSITIONS (FOR THE RECORD)

The Adler Planetarium sought a one-year part-time intern (with a college degree in astronomy, physics, history, or related field) to serve 1 June 1991 through 30 June 1992. For further information contact A. S. Whitt, The Adler Planetarium, 1300 South Lake Shore Drive, Chicago, IL 60605.

Armstrong University advertised two temporary, potentially renewable, one-year appointments for historians with expertise in (among other areas) “U.S. economic, business, or technological history.” The search closed on 1 June 1991. For further information contact Roger Warlick, Department of History, Armstrong State University, Savannah, GA 31419-1997.

Livingston University sought a historian for a tenure-track position with expertise in (among other areas) history of science and technology. The search closed on 3 May 1991. For further information contact James Pate, Livingston University, Station #23, Livingston, Alabama 35470.

The Museum of American Textile History sought a Director “knowledgeable of the history of technology & industrial history ... [with] at least ten years of museum-related experience.” For further information contact the Search Committee, P.O. Box 1483, Manchester-by-the-Sea, MA 01944.

The History of Science Department at the University of Wisconsin, Madison, superseded the notice appearing in the last issue of the HSS Newsletter by announcing an opening for a non-renewable full-time visiting assistant professor for 1991-92. The search closed on 17 May 1991. For further information contact Search Committee, Department of the History of Science, 4143 Helen White Hall, University of Wisconsin-Madison, Madison, WI 53706.

FUTURE MEETINGS & CALLS FOR PAPERS

To celebrate the 400th anniversary of the birth of Pierre Gassend, the Association des Animateurs du Centre Culturel Pierre Gassend is organizing a series of events during the summer of 1992 at Digne-les-Bains and, in collaboration with the Project Pro-Peyresq and the Maison des Pays du Haut Verdon, at Peyresq and in the valley of Haut Verdon. For further information, contact either Anthony Turner, 24 Rue du Buisson Richard, 78600 le Mesnil-le-Roi, France (telephone 39 12 11 91; fax 39 62 07 22) or Nadine Gomez, Musee de Digne, 64 Boulevard Gassendi, 04000 Digne-les-Bains (telephone 92 31 40 74).

The Istituto Nazionale di Fisica Nucleare, Città di Cesena, will sponsor a conference on Bell's Theorem and the Foundations of Modern Physics, Palazzo del Ridotto, Cesena, Italy, 7-10 October 1991. Potential participants and others should contact F. Pollini, Tourist Office of Città di Cesena, Piazza del Popolo 1, 1-47023 Cesena (FO), Italy; telephone (547) 356327; fax (547) 356329.

With support from the Alfred P. Sloan Foundation, the Center for the History of Electrical Engineering will sponsor a conference on Technological Competitiveness in the Electrical and Electronics Industries: Historical and Contemporary Perspectives, 10-13 October 1991, in New Brunswick, NJ. The conference will discuss “historical examples of competitiveness—chosen from the power, lighting, electrical appliance, computer, semiconductor, consumer electronics, aerospace electronics, and telecommunications industries—and their relevance for today’s situation.” For further information, including details about registration fees and hotel reservations, contact Ms. Michael Ann Ellis, Center for the History of Electrical Engineering, Rutgers University, 39 Union Street, New Brunswick, NJ 08903-5062; (908) 932-1066; fax (908) 932-1193; e-mail IEEE@ZODIAC.RUTGERS.EDU.

The Cheiron Society will meet at Universidad Complutense, Madrid, 4-8 September 1991. For further information contact Enrique Lafuente, Department of Psicologia Basics, Facultad de Psicologia, UNED, P Box 60.187, 28071 Madrid Spain.

A day-long conference, Experiencing Nature, will be held at the University of Chicago, 30 October 1991, to celebrate the sixty-fifth birthday of Allen G. Debus and the thirtieth anniversary of his coming to the University of Chicago. I. Bernard Cohen will give a keynote address on "The 'Body Politic' Before and After the Scientific Revolution: An Example of the Interactions Between the Natural Sciences and the Social Sciences." For further information, contact Karen V. H. Parshall, Department of History, University of Virginia, Charlottesville, VA 22903, or Paul Theerman, Joseph Henry Papers, SI-149 MS 429, Smithsonian Institution, Washington, DC 20560. (Note that this meeting will take place immediately prior to the History of Science Society meeting in Madison, WI.)

A meeting on the history of gravitation sponsored by the Institute of Physics History Group at Birmingham University, 26 October 1991, will feature talks on the measurement of "Big G," gravitational theory from Newton, and the origins of General Relativity. For further details contact Peter Tyson, 102 Clent View Road, Birmingham, B32 4LW.

The Institute for Liberal Studies at Kentucky State University will sponsor its third annual Conference on Science, Technology, and Religious Ideas, 10-11 April 1992, Frankfort, KY. Scholars are encouraged to submit paper proposals of at least 750 words by 17 January 1992 on
topics related to the interactions and connections among science, technology, and religious ideas, including: the history of science-religion interaction, the new physics and philosophical theology, biology and teleology, technology and religion, ethics of technology, sociobiology and religion, connections with cultures of African and Asian origin, and connections with literature and the arts. For details contact Mark Shale, Institute for Liberal Studies, Kentucky State University, Frankfort, KY 40601; (502) 227-5924/6411.

The fifth International Congress of History of Oceanography will focus on "Oceanography: the Pacific perspective" and will be held in La Jolla, CA, in July 1991, to mark the 90th anniversary of the founding of the Natural History Society of San Diego's marine laboratory, better known today as the Scripps Institution of Oceanography. Local arrangements will be overseen by Deborah C. Day, Scripps Institution of Oceanography Archives. The program is being arranged by Keith R. Benson (Medical History and Ethics, SB-20, University of Washington, Seattle, WA 98195) and Philip F. Rehbock (Department of History, University of Hawaii, 2530 Dole Street, Honolulu, HI 96822), from whom further information should be requested.

The American Association for the Advancement of Science invites nominations (by 1 August 1991) for the 1992 AAAS/Westinghouse Award for Public Understanding of Science and Technology of $2,500. For further information, contact Patricia S. Curlin, American Association for the Advancement of Science, 1333 H Street, NW, Washington, DC 20005; (202) 326-6602; fax (202) 371-9526.

The Ohio State University Press annually offers the Helen Hooven Santmyer Prize of $2,500 for "the best book-length manuscript, in any discipline, on the contributions of women, their lives and experiences, and their roles in society." Manuscript submissions for the 1992 prize must be received by 1 October 1991. For further information contact Charlotte Dihoff, Ohio State University Press, 1070 Carmack Road, Columbus, OH 43210-1002; (614) 292-6930.

The History of Geology Division of the Geological Society of America seeks nominations for its History of Geology Award, and asks nominators to submit "as much information as possible" about the potential recipient to Robert H. Dott, Jr., Department of Geology, University of Wisconsin, Madison, WI 53706.

The Cornell GHOB5 (Graduate History of Biology Students) will sponsor the twenty-eighth annual Joint Atlantic Seminar for the History of Biology at Cornell University, Ithaca, NY 3-4 April 1992. For additional information contact GHOB5, c/o Sara Tjossem, Department of Ecology and Systematics, Cornell University, Corson Hall, Ithaca, NY 14850.

The organizing committee for the third Latin American Congress of History of Science and Technology—Mexico City, 12-16 January 1992—has issued its second circular, which provides details about the Congress's themes, submission procedures, social program, and other important information. Potential participants and other attendees should request copies from Juan José Saldaña, Apartado postal 21-873, 04000 Mexico, D.F., Mexico; fax (52) (5) 534-4651.

Le Comité Lavoisier de l'Académie des Sciences will commemorate the bicentenary of the death of Antoine Lavoisier with several programs. For further information contact Horeau Alain, Le Comité Lavoisier, Académie des Sciences, 23 Quai Conti, 75006 Paris; (1) 43 26 66 21.

The sixteenth annual meeting of the Midwest Victorian Studies Association, 24-25 April 1992, South Bend, IN, will address the theme "England in the 1890's." The Association welcomes proposals on any aspect of the 1890's or the fin de siècle. Potential speakers should submit seven copies of a two-to-three page abstract by 15 November 1991 to Michael Clarke, Department of English, Loyola University of Chicago, 6525 North Sheridan Road, Chicago, IL 60626; (312) 508-2240.

An international congress, Louis Proust: Theory, Practice and Scientific Diffusion in the XVIIIth Century Chemist, will be held in Segovia, May 1992. For further information, including circulars on the congress, contact Congreso Internacional "Louis Proust," Secretaría Científica, Casa de la Química, Jardines del Alcázar, 40005 Segovia, Spain.

The Cornell University Department of Physics and Program on History and Philosophy of Science and Technology of Cornell University will sponsor an all-day Symposium on Enrico Fermi, 14 October 1991. Speakers will include Harold Agnew, Hans Bethe, S. Chandrasekar, Richard Garwin, M. L. Goldberger, Jay Orear, Art Rosenfeld, Val Telegdi, Al Wattengen, Nella Fermi Weiner, Jane Wilson, and Robert Wilson. For further information contact Jay Orear, Department of Physics, Newman Lab, Cornell University, Ithaca, NY 14853.

The "Fiftieth Anniversary Jubilee" of the Thoreau Society will take place in Concord and Worcester, MA, 8-19 July 1991, and will feature (among other events) exhibits and other programs that "will examine Thoreau as a scientist, engineer, and inventor." For further information contact the Society, 60 Thoreau Street, Concord, MA 01742; (508) 369-4213.

PRIZE COMPETITIONS
The Third World Academy of Sciences History of Science Prize of $10,000 (U.S.) and a personalized plaque "is awarded for the best unpublished research essay highlighting the work of a scientist from a country of the Third World prior to the twentieth century, whose scientific achievements were not previously recognized." Entries for the 1992 competition should be between 20,000 and 50,000 words, should be submitted in English, and "should indicate the impact of the scientist's contributions on his or her community and, where relevant, establish their influence on modern scientific thought." The competition is open to scholars both from the Third World and elsewhere. Essays should be received by the Executive Secretary of the Third World Academy of Sciences no later than 1 March 1992. Submissions should be addressed to Helen Grant, History of Science Prize, Third World Academy of Sciences, c/o International Centre for Theoretical Physics, P.O. Box 586-Strada Costiera 11, 34136, Trieste, Italy; telephone (40) 2240-1; fax (40) 224559; e-mail twas@atsictp.bitnet.

**DISSENTATIONS COMPLETED**

Readers of the HSS Newsletter may also want to consult *A List of Theses in History of Science in British Universities and Polytechnics in Progress or Recently Completed* (no. 21, 1990-91), compiled by Sophie Forgan and issued by the British Society for the History of Science. Copies are available—without charge on request for BSHS members—at $6.00 or £3.00 postpaid for others—from the BSHS Executive Secretary, 31 High Street, Stanford in the Vale, Faringdon, Oxon SN7 8LH, England.


**MEETING REPORTS**

On Saturday, 20 April 1991, a conference in honor of the 200th birthday of Michael Faraday was held at Bowling Green State University in Bowling Green, OH. Sponsored by a private fund, with assistance from the Departments of Psychology, Physics, Biological Sciences, Computer Science, and the office of the Vice President of Academic Affairs, the conference brought five Faraday scholars together for a day of paper presentations and much informal discussion.

Presenters were Geoffrey Cantor (Univ. of Leed), David Gooding (Univ. of Bath), Frank A. J. L. James (Royal Institution), Nancy Neressian (Princeton Univ.) and Ryan Tweney (Bowling Green, who organized and chaired the meeting). All speakers presented the findings of some of their recent work on Faraday, and the result was a composite picture that promises to shed new light on the life and works of one of the true "greats" of the history of science.

Cantor's paper focused on Faraday's need to impose order and avoid disorder on his conception of the world, building a new link to Faraday's thought from his recently published book, *Michael Faraday: Sandemanian and Scientist* (Macmillan, 1991). Tweney described some aspects of Faraday's work in 1831 on acoustics and optical deceptions that shed light on his later discoveries in electricity and magnetism, and Gooding elaborated on the theme of Faraday's non-formal "mathematics," an extension of his claims in *Experiment and the Making of Meaning* (Kluwer, 1990). Gooding and Tweney are preparing a jointly-authored paper that addresses these themes. Neressian then linked the two prior papers together with a consideration of Maxwell's use of analogy in the formulation of a formal field theory, building on the analysis in her *From Faraday to Einstein*, (Kluwer, 1984), as well as more recent papers. James, as the final speaker, hinted at the richness of the forthcoming complete correspondence of Faraday, which he is editing, by describing new results bearing on Faraday's switch away from practical research toward pure research in the 1830s.

Discussion with the audience and among the presenters emphasized the presence of common themes in the presented papers. In particular, the view of Faraday as a sophisticated user of both theoretical and experimental methodologies was central, as well as the general point that consideration of the cognitive underpinnings of scientific thinking can help to reveal the nature of some otherwise puzzling historical data. — Ryan Tweeney

The Lone Star History of Science Group held its fourth annual meeting on 19 April at Stephen F. Austin State University in Nacogdoches, Texas. Bruce Hunt (Univ. of Texas) spoke on cable telegraphy and electrical theory in Victorian Britain; the participants then enjoyed a picnic dinner. The group will next meet in the spring of 1992 at the University of Texas, Austin. Those interested in participating should contact Bruce Hunt, Department of History, University of Texas, Austin, TX 78712.
XIXTH
INTERNATIONAL CONGRESS

The XIXth International Congress of History of Science will take place at the Science Faculty, in Zaragosa, Spain, 22-29 August 1993. As usual, the Congress will consist of Symposia, which will address themes of special interest, Scientific Sections devoted to the various branches and periods of the history of science and technology and Poster Sessions. The official languages of the Congress will be English, French and Spanish. The Director of the Program Committee is Prof. Jean Dhommes (Centre National de la Recherche Scientifique, Unité no. 21/49 rue Mirabeau, F-75016 PARIS, France). The President of the Organizing Committee is Prof. Mariano Hormigón (see address below). Chairpersons of the various Commissions and Committees of the Division of History of Science of the International Union of History and Philosophy of Science who are interested in organizing special symposia are invited to contact either Prof. Dhommes or Prof. Hormigón in the near future. The First Circular will be distributed in late summer 1991 by the National Committees of the Division of the History of Science of the International Union of History and Philosophy of Science, and may also be requested from Prof. Hormigón. The Second Circular will be mailed to all colleagues who return the First Circular’s reply card. For further information contact the Congress Office, Facultad de Ciencias (Matemáticas), Ciudad Universitaria, E-50009 Zaragosa, Spain; telephone (76) 357-180; fax (76) 565-852; telex 58198 EDUCI-E; e-mail ichs@cc.unizar.es

GRADUATE PROGRAMS

Recent appointments in the Science Studies Program at the University of California, San Diego, under the National Science Foundation Research Training Grant, include Robert Marc Friedman (Program Coordinator), David Bloor (Visiting Professor, winter 1992), Michael Aaron Dennis and David Stump (Postdoctoral fellows, 1991-92), and Michael Lynch and Luc Giard (visiting faculty, winter 1992).

The Program in History and Philosophy of Science at the University of Notre Dame will offer a Ph.D. beginning in 1990-91. In the past, students who took an M.A. in the Program often went on to complete a Ph.D. in one of the doctoral programs of the University (Philosophy, History, or Theology). The new Ph.D. will incorporate the requirements for a doctorate in either History or Philosophy (depending on the student’s choice) as part of the broader requirements for the doctoral degree in History and Philosophy of Science. Students who take the new doctoral degree in HPS will thus also obtain the equivalent of a doctoral degree either in History or Philosophy.

The Program faculty comprises: Michael Buckley, S.J. (religion and science); Michael Crowe (history of physics and mathematics); James Cushing (philosophy of quantum mechanics); Gary Gutting (continental philosophy of science); Christopher Hamlin (history of technology and medicine); Mark Jordan (medieval science and medicine); Lynn Joy (Renaissance science and philosophy); J.B. Kennedy (philosophy of quantum mechanics); Edward Manier (philosophy of biology); Vaughn McKim (philosophy of social science); Erman McMullin (history of the philosophy of science); Philip Morowski (history of economics); Philip Quinn (science and values); William Ramsey (philosophy of psychology); Francesca Rochberg-Hall (ancient science); and Phillip Sloan (history of biology). The Program headquarters is at the Reilly Center for Science, Technology and Values, University of Notre Dame, 309 O’Shaughnessy, Notre Dame, IN 46556; (219) 239-5015.

Ph.D. programs in history of technology have recently been instituted at the Royal Institute of Technology in Stockholm and the Chalmers University of Technology in Gothenburg. The programs have been designed in close cooperation between the two institutions, and will continuously exchange faculty, courses, and visiting lecturers. The Gothenburg program will also cooperate with departments in the humanities and social sciences at the University; the Stockholm program already has strong links with the Office for History of Science at Uppsala University and the Technology and Social Change Program at Linköping University. The programs’ addresses and fax numbers are: Center for History of Technology, Chalmers University of Technology, S-412 96 Gothenburg, Sweden; fax (31) 72 38 27; and Department of History of Science and Technology, Royal Institute of Technology, S-100 44 Stockholm, Sweden; fax (8) 24 62 63.

SUMMER PROGRAMS

The third International Summer School in History of Science will be held at the University of California at Berkeley, 13 July to 24 July 1992, on the themes, “The Natural Sciences and Their Applications between the Two World Wars.” In keeping with previous sessions of the School, participation is limited to advanced graduate students and faculty familiar with the general area of the study. Those selected to participate will receive free room and board in Berkeley during their attendance. Some support for travel expenses may be available. The School charges no fees and offers no degrees. Students can apply for either one or both of the two weeks. Lecturers for the first session, on exact sciences, will be Dominique Pestre, CERN and Paris, and Svante Lindqvist, Stockholm; and for the second, on life-and geosciences, Evelyn Fox Keller, Berkeley, and Mott T. Greene, Tacoma. Potential participants who notify one of the organizers of their interest so will receive early in the Fall of 1991 a program of the Berkeley sessions and an application for participation in them. The organizers are: Giuliano Pancaldi, Department of Philosophy, University of Bologna, Via Zamboni 38, 40126 Bologna, Italy; Tore Frängsmyr, Office for History of Science, Uppsala University, Box 256, S-751 05 Uppsala, Sweden; and John L. Heibron, Office for History of Science and Technology, 470 Stephens Hall, University of California, Berkeley, CA 94720, USA.
AWARDS, HONORS & APPOINTMENTS

Among the new fellows recently elected by the American Academy of Arts and Sciences are Keith M. Baker (Univ. of Chicago), David C. Lindberg (Univ. of Wisconsin-Madison), Sylvan S. Schweber (Brandeis Univ.), Merritt Roe Smith (MIT), and Arnold Thackray (Univ. of Pennsylvania).

The Association of College and Research Libraries recently presented its Leaf "American Book Prices Current" Award—for catalogues published by libraries in conjunction with exhibits of books and/or manuscripts—to the Linda Hall Library for The Face of the Moon: Galileo to Apollo by William B. Ashworth, Jr. (Univ. of Missouri, Kansas City).

Simon Baatz has been appointed Lecturer in North American Studies in the School of English and American Studies at the University of Sussex.

Peter Bowler (Queen's Univ., Belfast) has been awarded a major research grant by the British Academy to study the social context of science in Ireland, 1890-1950.

Richard M. Burian (Virginia Polytechnic Institute and State Univ.) has been named one of 37 National Humanities Center Fellows for 1991-92.

Gordon J. Craig (Univ. of Edinburgh) has received the History of Geology Award of the Geological Society of America.

Marcos Cueto has been awarded a Mellon Fellowship in the History and Philosophy of the Life Sciences at MIT for 1991-92.


Steven L. Goldman (Lehigh Univ.) and Melvin Kranzberg (Georgia Institute of Technology) are Sigma Xi National Lecturers for 1991-92.

George B. Grifenhagen has been elected Executive Secretary of the American Institute of the History of Pharmacy.

Anita Guerrini has been named Lecturer in History of Science at the University of California, Santa Barbara.

David Knight has been appointed to the Chair of History and Philosophy of Science at the University of Durham.

Edith H. Luchins has been named Distinguished Visiting Professor at the U.S. Military Academy at West Point for 1991-92.

Pamela E. Mack has been granted tenure at Clemson University.

Gregg A. Mitman has been named Assistant Professor of the History of Science at the University of Oklahoma.

Peter J. T. Morris (Open Univ., UK), has been awarded the 1991-92 Edelstein International Fellowship in the History of Chemical Sciences and Technology.

Ronald L. Numbers has been named William Coleman Professor of the History of Science and Medicine at the University of Wisconsin-Madison.

Mary Jo Nye has been named George Lynn Cross Research Professor of the History of Science at the University of Oklahoma.

Judy E. O'Neill became Associate Director of the Charles Babbage Institute, Center for the History of Information Processing, in January 1991.

Michael Osborne has been named Assistant Professor of History of Science at the University of California, Santa Barbara.

Theodore M. Porter has been appointed Associate Professor in the Department of History, University of California, Los Angeles.

James A. Secord has been appointed Senior Lecturer in History of Science at Imperial College.

Ana I. Simoes (Univ. of Maryland) has been awarded the American Philosophical Society's John C. Slater Fellowship for 1991-92.

Winners of the 1990 Singer Prize of the British Society for the History of Science include Mark Harrison (Green College, Oxford), joint first prize of £150, for "Tropical Medicine in Nineteenth-Century India;" Jonathan Topham (Univ. of Lancaster), joint first prize of £150, for "Natural Theology and the Working Class: the Bridgewater Treatises in Popular Adult Education;" J.F. McDiarmid Clark (Oxford), special commendation and £50, for "Eleanor Ormerod: 'Pioneer of Purity Even More than of Paris Green';" and Ben Marsden (Univ. of Kent at Canterbury), special commendation and £50, for "Engineering Science in Glasgow: Economy, Efficiency and Measurement as Prime Movers in the Differentiation of an Academic Discipline."

Alison M. Turtle has been appointed Director of the Centre for the Human Aspects of Science and Technology at the University of Sydney.

John Harley Warner (Yale Univ.) received the American Association for the History of Medicine's William H. Welch Medal for The Therapeutic Perspective: Medical Practice, Knowledge, and Identity in America, 1820-1835 (Harvard University Press).

Dora B. Weiner (UCLA) has been awarded a three-year Charles E. Culpeper Foundation Scholarship for her project, "Observe and Heal: The Origins of a Humane Medicine in the French Revolution—Philippe Pinel (1745-1826), Internal Pathology and Mental Alienation."

Colleagues at the École pratique des Hautes Études are making plans to honor Mirko Grmek on the occasion of his retirement with (among other tributes) the publication of a volume, Maladie et maladies, histoire et conceptualisation.

For further information contact Daniéle Gourechts, École pratique des Hautes Études, 45-47 rue des Écoles, 75005 Paris.
PUBLICATIONS

Anker Publishing Company has announced a new series of scholarly books and advanced texts in the history of psychology, which will include original works and selected reprints for scholars and students. For further information contact the editor of the series, Ludy T. Benjamin, Jr., Department of Psychology, Texas A & M University, College Station, TX 77843-4235; (409) 845-2540.

Several members of the Society have recently received copies of DIO & The Journal for Hysterical Astronomy. Its final page of text reads (in part) as follows: "DIO & the supplemental Journal for Hysterical Astronomy are published thrice yearly by: DIO, Box 19935, Baltimore, MD 21211-0935 USA. Telephone (answering machine always on): 301-889-1414. DIO is primarily a journal of scientific history & principle. At present, most DIO copy is written by Dennis Rawlins and friends. Each author has final editorial say in his own article. The J.H.A. is rumored to be edited by the intrepid feline explorer Admiral Purry ... DIO invites communication of readers' incredulity, appreciation, nausea, empathy, scorn, support, and-or advice. Written contributions are encouraged for the columns: Unpublished Letters, Referees Refereed, and regular Correspondence. Deftly or daffily crafted reports, on appropriate candidates for recognition in J.H.A.'s pages, will of course also be considered for publication. (A subject's eminence may enhance J.H.A. publication chances. The writer's won't.)" Rawlins also reports that he "regrets the lack of face-to-face debate about the central contested issue of ancient astronomy; i.e., the 'Ptolemy controversy'."

The International History, Philosophy, and Science Teaching Group offers annual subscriptions (of at least three issues) to its Newsletter for $15.00 (US), $20.00 (Aus) or £10 (UK). Send check (or, preferably, credit card information) to Michael R. Matthews, School of Education, University of New South Wales, Kensington, NSW, Australia; telephone (2) 697-4900; fax (2) 662-4749; e-mail matthews@usage.csd.unsw.oz.au.

E. J. Brill has announced a new series of books, Studies in Ancient Medicine, and invites submissions of manuscripts—including multi-authored work—on the theory and practice of public and private medicine in Antiquity, Late Antiquity and the Early Middle Ages." For further information contact the editor of the series, John Scarborough, School of Pharmacy, University of Wisconsin, 425 North Charter Street, Madison, WI 53706.

RECENT GRANTS & FELLOWSHIPS

The American Institute of the History of Pharmacy recently awarded four grants-in-aid totalling $5,000 for thesis research related to the history of pharmacy. The recipients and their projects are: Caroline J. Acker (Univ. of California, San Francisco), "Addiction and the Laboratory: Medical and Scientific Explanations of Opiate Addiction in the 1920s and 1930s."; Kyunghee Kwon (Philadelphia College of Pharmacy and Science), a study examining closures of independent pharmacies; Mark Rogers (Univ. of Chicago), "Shamanism and Ethnicity in Contemporary Ecuador"; and Thomas J. Wolfe (Univ. of Wisconsin-Madison), "The Thomsonians: Medicine, Religion, and Popular Culture in Antebellum America."

The John Simon Guggenheim Memorial Foundation recently awarded 143 fellowships. The list of recipients and their projects includes: Joan Jacobs Bromberg (Cornell Univ.), Female adolescence in historical perspective, 1790-1990; N. Katherine Hayles (Univ. of Iowa), Cybertexts, "virtual reality," and contemporary literature; Ian Mueller (Univ. of Chicago), Studies in the philosophy and mathematics of later classical antiquity; Matthew Ramsey (Vanderbilt Univ.), The development of professional monopoly in French medicine, 1770-1830; Londa Schiebinger (Pennsylvania State Univ.), The politics of 18th-century natural history; and EdwardTenner (Princeton Univ. Press), The unintended consequences of technological and social systems.

Ten scholars working in history of science and closely related fields are among the individuals recently awarded National Endowment for the Humanities fellowships. These individuals and their projects are: David S. Bolotin (Saint John's College, New Mexico), political responsibility in the presentation of the inquiry into nature in Aristotle's Physics; John P. Carriero (Harvard Univ.), Spinoza and the new science; Desley A. Deacon (Univ. of Texas, Austin), a biography of the sociologist, anthropologist, and feminist intellectual Elsie Clews Parsons, 1874-1941; Michael O. Lieb, (Univ. of Illinois, Chicago), occult and visionary mentalities in the Renaissance; Donald L. Miller (Lafayette College), the city of the century-Chicago, 1893; Mary B. Pickering (Amherst College), Auguste Comte: a critical biography; Abner Shimony (Boston Univ.), search for a naturalistic world view; Stephen P. Turner (Univ. of South Florida), early American sociology and its context; Martha H. Verbrugge (Bucknell Univ.), women and physical education in America, 1880-1980; and Jack M. Weatherford (Macalester College), intellectual influences on Native Americans on the discipline of anthropology.

Fourteen individuals planning to pursue graduate study in history of science are among the 950 recipients of National Science Foundation Graduate Fellowships for 1991-92. These individuals and their undergraduate institutions are: Mary Alexandra Cooper (Harvard Univ.), Joshua Bruce Dever (Princeton Univ.), Tamar Gendler (Yale Univ.), Aditi Gowri (York Univ.), Teresa A. Hopper (Stanford Univ.), Cheryce M. Kramer (Stanford Univ.), Abigail Jane Lustig (Univ. of California, Berkeley), Kristen Ellen Maschka (Univ. of Illinois, Chicago), Brian Wendell Ogilvie (Univ. of Chicago), Matthew William Price (Stanford Univ.), Lionel Stefan Shapiro (Harvard Univ.), Serena Susan Spudich (Stanford Univ.), Preston Kyle Stanford (Northwestern Univ.), and Michael Alan Thau (Temple Univ.).

The University of Oklahoma has named Sonja Brennies (Karl Sudhoff Institute, Karl Marx Univ., Leipzig) and George Molland (King's College, Univ. of Aberdeen) Rockefeller Foundation Research Fellows for 1991-92. Their
respective projects are “Assimilation and Transformation of the *Introducitio Arithmeticae* by Nicomachus of Gerasa during the Islamic Middle Ages” and “Roger Bacon’s Relation to Earlier Science.”

The Woodrow Wilson National Fellowship Foundation recently named 99 Mellon Fellows in the Humanities, who will begin graduate study next fall. Among those named are Mary A. Cooper, Teresa A. Hopper, and Brian W. Ogilvie.

**RESEARCH OPPORTUNITIES**

The Five College Women’s Studies Research Center (a joint project of Amherst, Hampshire, Mount Holyoke, and Smith Colleges and the University of Massachusetts at Amherst) will soon appoint its first group of research associates. No stipend is available, but scholars are provided with offices, library privileges, and the opportunity to participate in varied seminars and colloquia. For further information contact Gail Hornstein, Department of Psychology, Mount Holyoke College, South Hadley, MA 01075; (413) 538-2339; e-mail ghornste@mhch.bitnet

Early last spring the NASA History Division invited proposals for a history of planetary geosciences. For further information contact Roger D. Launius, Code ADA-2, History Division, NASA Headquarters, Washington, DC 20546.

The National Park Service sought (through Solicitation no. CX-1100-RFP-1013) to let a contract for research leading to a “Historic Furnishings Report” for the Thomas A. Edison Laboratory, Edison National Historic Site, West Orange, NJ. For further information contact Annette Abshire, Contracting Branch, National Park Service. Administrative Annex, Taylor Street, Harper’s Ferry, WV 25425; (304) 535-6495.

The Regional Oral History Office, University of California, Berkeley, has made available nineteen volumes in the History of the Kaiser Permanente Medical Care Program Series. These oral histories are with “physicians, administrators, and other key participants in the development of the largest HMO in the United States.” For further information contact the Regional Oral History Office, 466 Library, University of California, Berkeley, CA 94720; (415) 642-7395.

The Rockefeller Archive Center has opened the papers of Paul Ehrlich (1854-1915), Nobel prize-winning hematologist, histochemist, and immunologist, for limited scholarly research. For further information contact Darwin H. Stapleton, Rockefeller Archive Center, 15 Dayton Avenue, Pocantico Hills, N. Tarrytown, NY 10591-1598; (914) 631-4505.

**Isis**

**Books Received**

Quarterly Report to 22 February 1991 (continued)


*Torretti, Roberto. *Creative Understanding: Philosophical Reflections on Physics.* xvi + 369 pp., bibl., index. Chicago/London: The University of Chicago Press, 1990. $79.95, $63.95 (cloth); $32.50, $25.95 (paper).


*Vinti, Carlo (Editor). *Galileo e Copernico: Alle origini del pensiero scientifico moderno.* (Universitala degli Studi di Perugia collani di “Ricerche filosofiche,” epistemologia e storia della scienza, No. 2). 250 pp., illus., fig. Assisi: Edizioni Porziuncola, 1990. L 20.000 (paper).


*Wall, Kameswar C. *Chandra: A Biography of S. Chandrasekhar.* x + 341 pp., illus., bibl., index. Chicago/London: The University of Chicago Press, 1991. $29.95.


*Whiteside, James. *Regulating Danger: The Struggle for Mine Safety in the Rocky Mountain Coal Industry.* xvi + 265 pp., illus., figs., tables, bibl., index. Lincoln/London: University of Nebraska Press, 1990. $37.50.

*Williams, Michael (Editor). *Wetlands: A Threatened Landscape.* (The Institute of British Geographers Special Publications Series, Vol. 25.) x + 419 pp., illus., figs., tables, app., bibl., index. Oxford/ Cambridge, MA: Basil Blackwell, 1990. $79.95.


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Books Received

Quarterly Report to 15 May 1991

Abed, Shukri B. Aristotelian Logic and the Arabic Language in Alfarabi. (SUNY Series, Toward a Comparative Philosophy of Religion.) xxvi + 201 pp., apps., bibl., index. Albany: State University of New York Press, 1991. $16.95 (paper).


Benjamin, Judy T., Jr. Harry Kirke Wolfe: Pioneer in Psychology. xvi + 200 pp., illus., app., bibl., index. Lincoln/London: University of Nebraska Press, 1991. $30.


Brimblecombe, P.; Pfister, C. (Editors). The Silent Countdown: Essays in European Environmental History. xii + 265 pp., figs., tables, bibli., index. Berlin/Heidelberg/New York: Springer-Verlag, 1990. $78.

Burchfield, Joe D. Storms above the Desert: Atmospheric Research in New Mexico, 1935-1985. With the assistance of Jim Corey. Introduction by Bernard Vonneugt. xviii + 153 pp., illus., apps., bibl., index. Published in cooperation with the Historical Society of New Mexico. Albuquerque: University of New Mexico Press, 1987. $22.50 (cloth); $11.95 (paper).


Cooper, Victoria; Cox, William E. Guide to the Papers of Alexander Wetmore, circa 1848-1979, and Undated. (Archives and Special Collections of the Smithsonian Institution, No. 11.) vi + 212 pp., illus., app., bibl., index. Washington: Smithsonian Institution, 1990. (Paper.)

Crombie, A. C. Science, Optics and Music in Medieval and Early Modern Thought. xii + 474 pp., illus., figs., bibl., index. London/Rome: The Hambledon Press, 1990. $60.

Crowcroft, Peter. Elton's Ecologists: A History of the Bureau of Animal Population. Foreword by Thomas Park. xx + 177 pp., illus., figs., apps., bibl., index. Chicago/London: The University of Chicago Press, 1991. $40.25 (cloth); $18.25 (paper).

Dawson, Virginia P. Engines and Innovation: Lewis Laboratory and American Propulsion Technology. (NASA SP-4306.) (The NASA History Series.) x + 276 pp., illus., figs., tables, apps., bibl., index. Washington, DC: National Aeronautics and Space Administration, Office of Management, Scientific and Technical Information Division, 1991. (Paper.)

de Clercq, Peter. The Leiden Cabinet of Physics. (Museum Boerhaave Leiden,

Dekker, E. The Leiden Sphere: An Exceptional Seventeenth-Century Planetarium. (Museum Boerhaave Leiden, Comm. 222.) 40 + v pp., illus., figs., tables, apps. Leiden: Museum Boerhaave, 1986. (Paper.)


Friedlander, Michael W. Cosmic Rays. 160 pp., illus., figs., tables, bibl., index. Cambridge/London: Harvard University Press, 1989. $27.50 (cloth); $10.95 (paper).


García Tapia, Nicolás. Pedro Juan de Lastanos: El autor aragonés de los veintidós libros de los ingenios. 142 pp., illus., figs., apps. Huesca, Spain: Instituto de Estudios Altazorregoneses, 1990. (Paper.)


Gross, Alan G. The Rhetoric of Science. viii + 248 pp., illus., bibl., index. Cambridge/London: Harvard University Press, 1990.


Hofmann, Joseph Ehrenfried. Ausgewählte Schriften. 2 vols. Edited by Christoph J. Scriba. 509 pp., illus., tables, bibls.; 500 pp., illus., figs., apps., bibls., indexes. Hildesheim/Zurich/New York: Georg Olms Verlag, 1990. DM 396.

Hobendorn, Gerrit; Magull-Seltenreich, Achim (Editors). Von der Heilkunde zur Massenentwürmung: Medizin im Nationalsozialismus. 287 pp., illus., bibl., index. Heidelberg: Wunderhorn Kursiv, 1990. DM 28 (paper).


Howell, Benjamin F., Jr. An Introduction to Semiological Research: History and Development. viii + 193 pp., illus., bibl., tables, app., bibl., index. Cambridge/New York: Cambridge University Press, 1990. $24.95.


Iannaceone, Isia; Tamburello, Adolfo (Editors). Dall’ Europa alla Cina: contributi per una storia dell’Astronomia. viii + 256 pp., figs., tables, bibls., index. Naples: Università degli Studi “Federico II,” Istituto Universitario Orientale, 1990. (Paper.)

Kanigel, Robert. The Man Who Knew Infinity: A Life of the Indian Genius Ramanujan. x + 438 pp., illus., bibl., index. New York; Toronto; New York/Oxford/Singapore: Charles Scriber’s Sons; Collier Macmillan Canada; Maxwell Macmillan International, 1991. $27.95, Can$36.95.

Kendleberger, Charles P. Historical Economics: Art or Science?. x + 371 pp., figs., tables, bibls., index. Berkeley/Los Angeles: University of California Press, 1991. $34.95.


Kohler, Robert E. Partners in Science: Foundations and Natural Scientists, 1900-1945. xv + 415 pp., illus., tables, index. Chicago/London: The University of Chicago Press, 1991. $34.95, £27.95.


Laudan, Larry. Science and Relativism: Some Key Controversies in the Philosophy of Science. (Science and Its Conceptual Foundations series.) xiv + 180 pp., bibl., index. Chicago/London: The University of Chicago Press, 1990. $32 (cloth); $12.95 (paper).


López Piñero, José M. Clásicos Médicos Valencianos del Siglo XVI. 141 pp., illus. Valencia: Generalitat Valenciana, Conselleria de Sanitat i Consum, 1990. (Paper.)


Malina, Janoslav; Vaseck, Zdenek. Archaeology Yesterday and Today: The Development of Archaeology in the Sciences and Humanities. Translated and edited by Marek Zvelebil. xiv + 320 pp., figs., bibl., indexes. Cambridge/New York/Melbourne: Cambridge University Press, 1991. $65 (cloth); $18.95 (paper).


Moran, Bruce T. Chemical Pharmacy Enters the University: Johannes Hartmann and the Didactic Care of Chymistry in the Early Seventeenth Century. 88 pp., illus. Madison, WI: American Institute of the History of Pharmacy, 1991. $16.50 (cloth); $7.50 (paper).


Poppelreuter, W. Disturbances of Lower and Higher Visual Capacities Caused by Occipital Damage: With Special Reference to the Psychopathological, Pedagogical, Industrial, and Social Implications. Translated by J. Zihl. With the assistance of L. Weiskrantz. (History of Neuroscience, No. 2.) xxii + 370 pp., illus., figs., tables, bibl., index. Oxford: Clarendon Press, 1991. $47.50.


Rescher, Morton F. Memory in Mind and Brain: What Dream Imagery Reveals. xiv + 218 pp., figs., bibl., index. New York: Basic Books, a Division of Harper Collins Publishers, 1991. $27.95.


Roney, Lois. Chaucer's Knight's Tale and Theories of Scholastic Psychology. xviii + 376 pp., illus., apps., bibl., indexes. Tampa: University of South Florida Press, 1991. $34.95 (cloth); $16.95 (paper).


Rutherford, F. James; Ahlgren, Andrew. Science for All Americans. xxvi + 246 pp., illus., figs., tables, bibl., indexes. New Haven/London: Yale University Press, 1991. $16.95 (paper).


Schefer, Hubert W. Das Berufsethos des Arztes Paracelsus. (Gesnerus Supplement, Vol. 42) xii + 106 pp., illus., bibl. Aarau/Frankfurt am Main/Salzburg: Verlag Sauerländer, 1990. DM 48 (paper).