TORONTO BECKONS

Three societies—the British Society for the History of Science, the Canadian Society for the History and Philosophy of Science, and the History of Science Society—have collaborated to produce the rich program published here (pp. 6-11) for this July's British-North American Joint Meeting. Those able to attend this conference will enjoy a visit to one of the most cosmopolitan cities on the continent. Victoria College in the University of Toronto, where the sessions will be held, is right in the heart of Toronto. If the last time you visited our city was to attend the 1980 Four-Society meeting, you will be surprised to see how our skyline has changed. But don't worry. All of the things you loved before are still here, and have been joined by many other attractions: the network of trolley cars, subways and buses that puts it all in easy reach; an enormous variety of ethnic restaurants and markets rooted in communities where the languages of China, India, and dozens of other cultures are spoken; the Royal Ontario Museum, the great Imax screen at Ontario Place, the Science Centre, Skydome stadium, and, on August first, the colourful Caribana parade. Not far from Toronto is the Stratford festival (which features Gilbert and Sullivan as well as Shakespeare), the Shaw festival, and of course Niagara Falls. Certainly one of North America's most diverse cities, Toronto still has a small-town atmosphere, because we feel safe, day or night, strolling about. Of course, if you only stay three days, you will be too busy at the conference to take in the more than a fraction of these attractions. So why not leave yourself an extra few days to be a tourist? And when you come, bring along a friend to share Toronto with you!—Mary P. Winsor
NEWS OF THE SOCIETY

The Society notes with regret the death of Raymond J. Seeger, at age 85, on 14 February 1992, in Washington, DC.

Nominations for 1992


The Society's Statutes permit HSS members to nominate additional candidates for the Council within two months of the appearance of this issue of the Newsletter. Petitions for candidates for Council must contain at least fifteen signatures and must include the agreement of the person nominated. They must reach both the Chair of the Nominating Committee and the Executive Secretary by 10 June 1991. Publications deadlines require earlier submission if petition candidates' biographies and photographs are to appear in the July 1992 issue of the HSS Newsletter, in which the ballot will be published.

Guide to the History of Science

The 1992 HSS Guide to the History of Science—edited by P. Thomas Carroll (Rensselaer Polytechnic Institute), with a contribution by Roy E. Goodman (American Philosophical Society Library)—has just been published for the Society by the University of Chicago Press. This well-known resource provides otherwise unavailable information of importance about our discipline and its practitioners in a readily accessible form. Its Guide to the Profession includes detailed (and well-indexed) international entries on over 250 institutions for graduate study and research in the history of science, technology, and medicine, on over 200 societies and organizations in these fields, and on over 150 relevant journals and newsletters. Its Directory of Members contains a full alphabetical listing of the Society's nearly 3,000 members, with information about their affiliations, education, home and office addresses and telephone numbers (and e-mail addresses where available), and interests and areas of specialty, all indexed by members' subjects of interest and geographical location.

All HSS members in North America should already have received their complimentary copies of the Guide. If you haven't, please contact the Journals Division, University of Chicago Press, P.O. Box 37005, Chicago, IL 60637; (312) 753-3347. Overseas members should receive their copies shortly.

Many HSS members find the Guide indispensable enough to justify keeping copies both at their homes and in their offices, and many make sure their students can readily consult it by having their institutions' libraries purchase one or more copies. Those who already ordered additional copies should receive them soon. Further additional copies are available from the University of Chicago Press (at the address and telephone number noted) for $26.00 (paperbound) and $39.00 (casebound).

Individuals who join (or rejoin) the Society during the next two years will receive copies of the 1992 Guide with their first issues of Isis, while supplies last. Those who were members in 1990 but have not renewed their memberships may claim copies without charge from the Press.

Executive Secretary Search

As noted in the Newsletter's last issue (p. 5), the five-year term of the current Executive Secretary of the History of Science Society will expire at the end of December 1992. A Search Committee has been formed to consider applications from members interested in the position. Previous secretaries have brought considerable institutional support to supplement the funds provided by the Society for direct costs. Those interested in the position are urged to talk as soon as possible with the chair and other members of the Search Committee and with the current Executive Secretary, Michael M. Sokal, about the responsibilities of the position. The Search Committee, under HSS Statutes, comprises Sally Gregory Kohlstedt, chair, and David C. Lindberg, William B. Ashworth, Jr., Mary Jo Nye, Margaret J. Osler, Karen Reeds, and Spencer R. Weart. The committee will begin to review candidates after 1 May.

Treasurer Search

After a two-year term of dedicated service to the Society, Lester D. Stephens, Professor of History at the University of Georgia, has decided not to accept a second term as HSS Treasurer. The Society thus welcomes expressions of interest in, and nominations for, the position. The Treasurer takes charge of all HSS financial matters, and (as chair the Committee on Finances and its Budget and Investment Subcommittees) oversees all budget-making and investment decision-making activity. The Treasurer is also a member of the HSS Executive Committee.

Potential candidates for the position are urged to discuss their interests with Treasurer Stephens (Department of History, University of Georgia, Athens, GA 30602; (404) 542-2515) and President Kohlstedt (Institute of Technology, University of Minnesota, 117 Pleasant Street, SE, Minneapolis, MN 55455; (612) 626-1802). The Executive Committee hopes to nominate a Treasurer to Council before the Council's next meeting, in Washington in December. Indeed, while the new Treasurer will not formally begin a two-year (renewable) term until 1 January 1993, Treasurer Stephens and the Executive Committee would welcome her or his involvement in Society financial affairs at an earlier date. The Executive Committee will begin to review candidates after 1 May.
CoP Seeks Members’ Views of HSS Journals

The HSS Committee on Publications is charged overseeing the Society’s publications. Since the editorship of Isis will change at the end of 1993, when Ronald L. Numbers will step down, and since Arnold Thackray’s second five-year term as editor of Osiris will expire at the same time, the Committee is reviewing both periodicals this year. Its members thus invite comments and suggestions to help them with this review. Please respond as soon as possible to the Committee’s chair, Edith Dudley Sylla, 110 Bleecker Street, Apt. 23D, New York, NY 10012; (212) 673-2131. Comments received by 5 May 1992 will be most helpful, but later responses (through 1 October) will also be useful.

NEWS OF THE PROFESSION

As announced in the last Newsletter issue (p. 7), the National Science Foundation has recently created a Directorate for Social, Behavioral, and Economic Sciences (SBES), to which the NSF Program for Studies in Science, Technology, and Society (SSTS) has been assigned. Precise organization of divisions within the Directorate was deferred pending appointment of a permanent Assistant NSF Director for SBES, and for the time being SSTS reports directly to the SBES Acting Director.

On 30 January 1992 NSF Director Walter E. Massey announced the appointment of Cora Bagley Marrett, currently Professor of Sociology and of Afro-American Studies at the University of Wisconsin, Madison, as Assistant Director of SBES. A graduate of Virginia Union College with a Ph.D. in sociology from the University of Wisconsin, Madison, Dr. Marrett has also taught at the University of North Carolina and Western Michigan University, served on the boards of Argonne National Laboratory, the Center for Advanced Studies in the Behavioral Sciences, and the Social Science Research Council, chaired the first NSF Committee on Equal Opportunities in Science and Technology, and was a member of the President’s Commission on the Accident at Three Mile Island. With broad research and teaching interests—she recently received the University of Wisconsin’s Distinguished Teaching Award—she has written “On the Evolution of Women’s Medical Societies” for the Bulletin of the History of Medicine (1979, 53: 434-448), and has served on the advisory panel for the NSF Program on Ethics and Values in Science, now a component of SSTS. She will take office sometime in May 1992.

As HSS members know, the Humanities, Science and Technology Program of the Division of Research Programs of the National Endowment for the Humanities has done much to promote scholarship in our discipline, and in many closely related fields. Indeed, the NEH/HST Program funds scholarship across the full spectrum of humanities disciplines, and thus supports work unfunded by, e.g., the National Science Foundation and the National Library of Medicine. Since at least the mid-1980s, NEH has earmarked a portion of Division of Research Programs funds for HST research—the appropriation for the program in 1992 is $925,000—and has regularly held separate review panels to evaluate HST proposals. [These often bring useful expertise to the review process, and help counter incorrect perceptions that HST scholarship is well-supported elsewhere.] Perhaps most importantly, the program’s separate budget line and separate guidelines have done much to inform scholars of NEH’s interest in HST scholarship and to attract them to important HST issues and, most generally, the program’s support has done much to promote important new areas of HST study, including Science and Literature and the Philosophy of Technology.

As this issue of the Newsletter goes to press, NEH officials have begun to implement plans that would downgrade the status of this program. Details remain unclear, but probable changes include discontinuing the program’s separate guidelines and separate listings in NEH publications and the past practice of earmarking a portion of Division of Research Programs funds for HST research, and may also include eliminating separate HST review panels. While these changes do not necessarily mean that NEH’s commitment to funding HST research will lessen—and individuals like Celeste Colgan, NEH Deputy Chairman, continue to praise the HST Program, the research it has funded, and the work of Daniel P. Jones, its program officer—they do carry many implications, and at the very least HST research will lose the visibility it once had.

The Society—through Ronald S. Calinger (HSS Washington Representative) and through its membership in the National Humanities Alliance—has followed the implementation of these changes since they were first proposed, and will continue to for the foreseeable future. Individual HSS members may also wish to monitor events by contacting the NEH Office of Publications and Public Affairs [(202) 786-0446] or Daniel P. Jones [(202) 786-0210] or write to the National Endowment for the Humanities (Washington, DC 20506).

The most important issue at present is that the 1993 NEH budget submitted to Congress by President Bush contains no budget allocation for the Humanities, Science and Technology Program. Individual HSS members may wish to express their opinions on this aspect of the 1993 NEH budget by writing directly to the members of the Interior and Related Agencies subcommittees of the Senate and House of Representatives, which oversee the NEH. For information about these subcommittees, and about the hearings they have scheduled on proposed NEH appropriations, contact the HSS Washington Representative, Ronald S. Calinger, Department of History, Catholic University of America, Washington, DC 20064; (202) 319-5484; the Executive Secretary; or the National Humanities Alliance, 1527 New Hampshire Avenue, NW, Washington, DC 20036; (202) 328-2121. (continued page 5)

The Society's fiscal year runs from 1 July to 30 June. The Treasurer presents a Projected Budget to Council for review and approval at its annual meeting preceding the fiscal year. In the months that follow, the Executive Committee may make adjustments in this budget, and the Treasurer presents a Revised Operational Budget for Council review and approval the following fall, a few months into the fiscal year. The Council thus considers two annual budgets each year.

At its 1991 Madison meeting (see HSS Newsletter, January 1992, p. 3), however, the Council deferred final vote on a revised final budget for 1991-92 and a preliminary budget for 1992-93, pending detailed review of plans to implement final fund transfers required by the Society's contract with the University of Chicago Press. In the months that followed, HSS Treasurer Lester D. Stephens and Budget Subcommittee chair Jane Maienschein and their colleagues addressed this issue and, early in January, presented budgets for Council consideration.

Revised Operational Budget for 1991-92

<table>
<thead>
<tr>
<th>General Expenses</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Isis</em> Editorial Office</td>
<td>$95,035</td>
</tr>
<tr>
<td>Executive Secretary's Office</td>
<td>$41,705</td>
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<tr>
<td><em>Current Bibliography</em> Editing</td>
<td>$9,020</td>
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<tr>
<td>Treasurer's Office</td>
<td>$6,600</td>
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<tr>
<td><em>HSS Newsletter</em> (Desktop-Publishing, Production &amp; Mailing)</td>
<td>$16,405</td>
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<tr>
<td>Other Administrative Costs</td>
<td>$12,420</td>
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<tr>
<td>Transition Costs (HSSPO)</td>
<td>$1,500</td>
</tr>
<tr>
<td>Program Initiation Fund</td>
<td>$10,000</td>
</tr>
<tr>
<td>Annual Audit</td>
<td>$5,500</td>
</tr>
<tr>
<td>Meetings</td>
<td>$3,000</td>
</tr>
<tr>
<td>Prizes</td>
<td>$5,000</td>
</tr>
<tr>
<td><em>Guide to the History of Science</em></td>
<td>$24,200</td>
</tr>
</tbody>
</table>

*Totals*

| *Guide to the History of Science* | $24,200 |
| **Total** | $326,171 |

General Income

<table>
<thead>
<tr>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Chicago Press Payments</td>
</tr>
<tr>
<td>Transfer of Unused Investment Income for 1989-90</td>
</tr>
<tr>
<td>Transfer of Unused Investment Income for 1990-91</td>
</tr>
<tr>
<td>Income earned by General Endowment, 1991-92 (estimate)</td>
</tr>
<tr>
<td><strong>Transfer from Osiris Fund to General Fund</strong></td>
</tr>
<tr>
<td>Sales of <em>Guide to the History of Science</em></td>
</tr>
<tr>
<td>Income from Prize Funds</td>
</tr>
<tr>
<td>Meetings</td>
</tr>
<tr>
<td>Miscellaneous</td>
</tr>
<tr>
<td>Sales of <em>Isis</em> Back Issues</td>
</tr>
</tbody>
</table>

**Total** | $326,171

In February the Council voted without dissent (by mail ballot) to accept these budgets.

HSS members should note that since the University of Chicago Press assumed publication responsibilities for *Isis* and *Osiris* in July 1991, and since the Society collected (late in 1990) membership dues for the entire 1991 calendar year, these budgets appropriately include payments to the Press for (what accountants call) "unearned subscription income" for *Isis* and *Osiris*. In scheduling these payments, the Press agreed to defer the initial payment, to extend the payment period, and to charge reasonable interest on any balance due. As the budgets emphasize, these payments are not drawn from the principal of the Society's endowment, which remains at approximately $1,250,000. As such, any rumors that the Society is in serious financial difficulty or that the Press has acted against the Society's best interests are false.

Osiris Expenses

<table>
<thead>
<tr>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Editing</td>
</tr>
<tr>
<td>Transfer of 1991 Unearned Subscription Income for <em>Osiris</em> to the University of Chicago Press</td>
</tr>
</tbody>
</table>

**Total** | $33,629

Osiris Income

<table>
<thead>
<tr>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Chicago Press Payments</td>
</tr>
<tr>
<td>Income earned by <em>Osiris</em> Fund, 1990-91</td>
</tr>
<tr>
<td>Income earned by <em>Osiris</em> Fund, 1991-92 (estimate)</td>
</tr>
<tr>
<td><strong>Transfer from Osiris Fund</strong></td>
</tr>
</tbody>
</table>

**Total** | $33,629

* Leaving a balance of $30,373 [+$2,430 (8% interest)] owed to the University of Chicago Press

** Excess of *Osiris* expenses over *Osiris* income, 1990-91

*** Estimated balance of *Osiris* Fund after all transfers, $90,428

Projected Budget for 1992-93

<table>
<thead>
<tr>
<th>General Expenses</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Isis</em> Editorial Office</td>
<td>$97,667</td>
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<tr>
<td>Executive Secretary's Office</td>
<td>$40,000</td>
</tr>
<tr>
<td><em>Current Bibliography</em> Editing</td>
<td>$9,600</td>
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<tr>
<td>Treasurer's Office</td>
<td>$6,600</td>
</tr>
<tr>
<td><em>HSS Newsletter</em> (Desktop-Publishing, Production &amp; Mailing)</td>
<td>$25,000</td>
</tr>
<tr>
<td>Other Administrative Costs</td>
<td>$10,375</td>
</tr>
<tr>
<td>Program Initiation Fund</td>
<td>$8,000</td>
</tr>
<tr>
<td>Annual Audit</td>
<td>$4,500</td>
</tr>
<tr>
<td>Meetings</td>
<td>$5,000</td>
</tr>
<tr>
<td>Transition Costs (<em>Isis</em> editor, Executive Secretary &amp; Treasurer)</td>
<td>$2,000</td>
</tr>
<tr>
<td>Prizes</td>
<td>$5,000</td>
</tr>
</tbody>
</table>

(continued next page)
## April 1992

**News of the Profession**  (continued from page 3)

Two electronic mail lists of interest to HSS members have recently begun operation. The *Psychology of Science* E-mail Group emerged at the 1991 meeting of the Society for the Social Studies of Science and is moderated by Eric G. Freedman, a social psychologist at Michigan Technological University. It comprises “psychologists, philosophers, historians, and sociologists interested in the psychological processes that underlie science and technology” and addresses (among other concerns) “the role of analogy, imagery in science and technology, scientific reasoning strategies, the psychology of scientific creativity, social influences, and computer models of science.” *Sci-Tech-Studies* was created by Bart Simon, a graduate student in the University of California, San Diego, Science Studies Program, as a “forum in which people involved in STS can communicate with one another about issues of concern to the field,” as “an attempt to foster a professional community rich in dialogue and discussion,” and to “help keep STS enthusiasts up to date with the current trends in STS around the world.”

Individuals with e-mail accounts may join either or both lists. To subscribe to “Psychology of Science,” send your e-mail address, postal address, and telephone number to PsySci@MTU5.cis.MTU.edu, or to Eric G. Freedman, Department of Humanities, Michigan Technological University, 1400 Townsend Drive, Houghton, MI 49931; (906) 487-2540. To subscribe to “Sci-Tech-Studies,” simply send an e-mail message reading “Sub Sci-Tech-Studies” to Listserv@UCSD.Edu. After joining these lists, new subscribers will receive detailed follow-up messages from the moderators, which include instructions on posting messages to the lists. They will also soon begin to receive all items posted to the lists.

Independent scholars in western Pennsylvania are organizing a seminar/reading group in history of science and technology and invite all individuals interested in joining them to contact Frances C. Robb, 626 Ridgefield Avenue, Pittsburgh, PA 15216; (412) 343-5456.

### RELATED SOCIETIES

Officers of the *Sociedade Brasileira de Historia da Ciencia* for 1992-93 include Ubiratan D’Ambrosio, President; Ewaldino Mello de Carvalho, Paulo Gadelha, and Anna Carolina Regner, Vice-Presidents; Isidoro M. da Silva Alves, Secretary General; Ana Maria Alfonso-Goldfarb, Secretary; and Carlos Arthur R. do Nascimento, Treasurer.

The European Society for the Study of Science and Theology has members in fifteen European countries and the United States. Its current projects include contacts with the St. Petersburg School of Religion and Philosophy, a private institution devoted to higher education on religions and philosophy. For further information contact Christoph Wassermann, ESSSAT Secretary, Breslauer Str. 7, D-7858 Weil am Rhein, Germany; telephone 49-2154-24223.

The *History of Geology Division* of Geological Society of America is raising funds to secure the future of its History of Geology Award, and the GSA Foundation has agreed to add $.50 to the Award Fund from its unrestricted receipts for each $1.00 contributed to the fund by division members. For further information contact Donald M. Hoskins, Division Chairman for 1992, Bureau of Topological and Geologic Survey, Department of Environmental Resources, Commonwealth of Pennsylvania, P. O. Box 2357, Harrisburg, PA 17105; (717) 787-2169.

### PRIZE COMPETITIONS

The *Society for the Social Studies of Science* recently created the Nicholas Mullins Award for “an outstanding piece of scholarship by a graduate student in the general field of Science and Technology Studies.” Submissions—which were due 1 April 1992—must be in English, may include unpublished papers, published articles, dissertation chapters, and the like, and should not exceed 10,000 words. The judges requested eight copies of each entry (with detachable cover sheets) to permit “blind” evaluation. For further information contac Wiebe E. Bijker, Science and Technology Studies, University of Limburg, P. O. Box 616, NL-6200 MD Maastricht, The Netherlands; telephone 31-43-888383; fax 31-43-259311; e-mail Bijker@Philosophy.RULimburg.NL.
Provisional Program British-North American History of Science Conference
(Special Joint Meeting of HSS, BSHS, CSHS)
Toronto, Ontario, 25-28 July 1992

Session organizers are asked to verify all details herein. Any participant who notices errors or wishes to make a change is urged to contact her or his session organizer (indicated on the program by an asterisk) and Alan J. Rocke, Department of History, Case Western Reserve University, Cleveland OH 44106; (216) 368-2614; fax (216) 368-4681; e-mail AJR@po.CWRU.Edu. All speakers must submit abstracts to M. P. Winsor, Institute for the History and Philosophy of Science and Technology, 316 Victoria College, University of Toronto, Ontario M5S 1K7, for arrival no later than 1 June 1992. All participants must register.

All sessions will be in Northrop Frye Hall (NFH) and Victoria College (VIC), on the campus of the University of Toronto. Registration will be at Victoria College. Tours of Niagara Falls and of Toronto are being planned. All times on 24-hour clock.

SATURDAY, 25 JULY, 20:00-22:00
Welcoming Reception (Foyer, VIC)

SUNDAY, 26 JULY, 8:30-10:30
1. The Laboratory in the Military Context I
NFH 003. (See no. 5 for second session.)
Willem Hackmann (Museum of History of Science, Oxford), Scientific Warfare in the Royal Navy and the Founding of the First Naval Laboratory
*Joseph Marchese (Navy R&D Center, Bethesda), The Creation of the Office of the Director of Navy Laboratories and the Establishment of a 'Corporate Community of Centers of Excellence'
Robert W. Seidel (Los Alamos National Laboratory), The DOE Weapons Laboratories
Comment: David van Keuren (Naval Research Laboratory)

2. History and Social Dimensions of Molecular Biology I
(double session in honor of John T. Edsall’s 90th birthday)
NFH 113. (See no. 13 for second session.)
*Chair: John T. Edsall (Harvard Univ.)
John T. Edsall (Harvard Univ.), The Early History of Cooperativity and Ligand Binding by Hemoglobin
Seymour S. Cohen (Marine Biological Laboratory, Woods Hole), From Phage-Induced Enzymes to the Chemotherapy of AIDS
Jan Sapp (York Univ.), Naked Genes and Symbiosis: From Cell Biology to Molecular Biology
Comments: Robert Olby (Univ. of Leeds) and *Pnina Abir-Am (Johns Hopkins Univ.)

3. Experiment and Verification in Eighteenth-Century

Continental Science, NFH 119.
Chair: David Knight (Univ. of Durham)
*Kari Fink (St. Olaf College), Goethe’s Disclosure of Newton’s Experiment in Optics
Maria Trumper (Yale Univ.), Verification and Variation: The Experimental Response in Germany to Galvani’s Discovery of Animal Electricity
Arthur Donovan (U.S. Merchant Marine Academy), Experiment and Authority in Lavoisier’s Chemistry
Comment: Geoffrey Cantor (Univ. of Leeds)

David Rosner (City Univ. of New York), Management Science: Silicosis and the Politics of Medical Knowledge
Rosemary Stevens (Univ. of Pennsylvania), Scientific Management and Scientific Medicine in the U.S.A., 1900-1925
Roger Cooter and *Steve Sturdy (Univ. of Manchester), Scientific Management and the Medical Revolution in Britain, 1900-1919

SUNDAY, 26 JULY, 10:45-12:45
5. The Laboratory in the Military Context II
NFH 003. (See no. 1 for first session.)
Paul Forman (Smithsonian Inst.), The Maser, the Laser, and Columbia University’s Radiation Laboratory: Fundamental Physics from Military R&D
Robert Bud (Science Museum, London), The Microbiological Research Establishment, Porton Down: The Warfare Laboratory as Context for Biotechnology
Bruce Hevly (Univ. of Washington), A Scientific Reconnaissance: The IGY Research Program of the US Naval Research Laboratory
Comment: Stuart Leslie (Johns Hopkins Univ.)

6. Which Comes First, the Data or the Theory?, NFH 113.
Chair and comment: Seymour Mauskopf (Duke Univ.)
Stephen G. Brush (Univ. of Maryland), The Role of Empirical Tests in the Evaluation of Theories in Physical Science
*Richard Rice (North Carolina State Univ.), Fighting the New Solution Theory with Facts: The Experimental Failure of Henry Armstrong and Louis Kahlenberg
Keith Nier (Thomas A. Edison Papers), How the French Revolution and German Laboratories Prevented Any ‘Kuhnian’ Revolutions, or, Was Kelvin’s View of Science Superior to Kuhn’s?

Chair and Comment: John Christie (Univ. of Leeds)
Roger Emerson (Univ. of Western Ontario), Science in Glasgow, 1680-1800
Anita Guerrini (Univ. of California, Santa Barbara),
8. The Tension Between Field and Laboratory Studies in Biology, 1900-1945, VIC 115.
Chair: *Peter Bowler (Queens Univ., Belfast)
Betty Smocovitis (Stanford Univ.), A Division of the Spoils: Botany and the Fate of Evolution at Harvard, 1900-1945
Sharon Kingsland (Johns Hopkins Univ.), Ecology in Laboratory and Field: D. T. MacDougal and the Desert Botanical Laboratory in the Early Twentieth Century
Ronald Rainier (Texas Tech Univ.), Fieldwork as Social Ideology: Henry Fairfield Osborn and the Campaign against Experimental Biology

SUNDAY, 26 JULY, 12:45-14:30 LUNCH

SUNDAY, 26 JULY, 14:30-17:00

Chair and comment: Andrew Rowan (Tufts Univ.)
E. M. Tansey (Wellcome Institute), The Laboratory Animal in British Biomedical Research
*Susan Lederer (Pennsylvania State Univ. College of Medicine), Constraints on Laboratory Animals in American Biomedical Research, 1920-1966
*John Parascandola (National Library of Medicine), The Development of the Concept of Alternatives to Animals in Research and Testing
Mary Ann Elston (New College, Univ. of London), Putting Laboratory Animals into Politics: The Campaign to Reform Legislative Control of Animal Experimentation in Britain, 1966-1986

SUNDAY, JULY 26, 14:30-16:30

10. Theory versus Practice in the Agricultural Sciences NFH 113.
Organizer: Jonathan Harwood (Univ. of Manchester)
Tim DeJager (Univ. of Manchester), Basic or Beneficial: British Plant Breeding Research, 1930-1955
Mark Finlay (Univ. of North Carolina, Charlotte), The Death of the Academies: Practice and Science in 19th-Century German Agricultural Education
Paolo Palladino (Univ. of California, Davis, and Univ. of Manchester), Wizards and Devotees: The Mendelian Theory of Inheritance and the Professionalisation of Agricultural Science in Britain and the United States, 1900-1920
Comment: Barbara Kimmelman (Philadelphia College of Textiles and Science)

11. The Extramural Laboratory I
NFH 119. (See no. 15 for second session.)
Organizer: Simon Schaffer (Univ. of Cambridge)
Arne Hessenbruch (Univ. of Cambridge), Context Multiplication in Context: X Ray Diagnosis (ca. 1898) and X Ray Intensity (ca. 1925)
Graeme Gooday (Univ. of Kent, Canterbury), Laboratory Electricians at Large: Electrotechnical Translation in the Late Victorian Landscape
Alex Soo jung-Kim Pang (Stanford Univ.), Fielding the Observatory: Space and Stability in Solar Eclipse Expeditions, 1860-1914

12. The Laboratory and the Courtroom, VIC 115.
Jenny Ward (Univ. of Cambridge), Special Pathology and the Crippen Case
Christopher Hamlin (Univ. of Notre Dame), Engineering Expertise and Private-Bill Procedure in Nineteenth-Century Britain
*Carolyn Shapiro (Yale Univ.), Laboratory, Field, Law Office and Courtroom: The Chicago Drainage Case, 1900-1906

SUNDAY, 26 JULY, 17:15-18:45

13. History and Social Dimensions of Molecular Biology II NFH 003. (See no. 2 for first session.)
Hans-Jorg Rheininger (Univ. Lübeck), What Does It Mean to Produce Epistemic Things? The Experimental Construction of Transfer-RNA
Sahota Sarkar (Boston Univ.), From the Double Helix to the Genetic Code: A History of the Information Metaphor in Biology
Angela Craeger (Harvard Univ.), Protein Chemistry, Molecular Biology and the Development of Theories of Allostery
Comments: Robert Olby (Univ. of Leeds) and Pnina Abir-Am (Johns Hopkins Univ.)

SUNDAY, 26 JULY, 16:45-18:45

Chair: *Trevor Levere (Univ. of Toronto)
Anita McConnell (Wellcome Institute), Is the World Really Like That?
Vincent Ponko, Jr. (St. Thomas Aquinas College), The Help to Science of the U. S. Navy in Explorations involving Heavenly Bodies and Watery Depths (post-Civil War)
Suzanne Zeller (Wilfred Laurier Univ.), The Colony as Laboratory: From Patron to Mentors in the Botanical Exploration of Canada

15. The Extramural Laboratory II NFH 119. (See no. 11 for first session.)
Robert Brain (Univ. of California, Los Angeles), The Extramural Laboratory Limited: German Arbeitswissenschaft versus Max Weber
Michael Bravo (Univ. of Cambridge), Ethnocentrism in Laboratory Encounters

*Chair: Colin Hempstead (Teesside Polytechnic), Hempstead
Iwan R. Morus (Univ. of Cambridge), Witnessing the World: Experimental Practice and Display in the Early Nine-
17. Experiments in Pedagogical Contexts, NFH 003.
Chair: Graeme Gooday (Univ. of Kent, Canterbury)
*Kathryn M. Olesko (Georgetown Univ.) and Frederic
L. Holmes (Yale Univ.), A Classic Experiment as Cheshire Cat:
Teaching Helmholtz’s Nerve Experiments
Alan J. Rocko (Case Western Reserve Univ.), Research
Groups and Research Pedagogy in German Chemistry: Kolbe’s
Laboratories in Marburg and Leipzig
Richard Kremer (Dartmouth College), Pedagogy vs.
Research in Purkyne’s Breslau Laboratory
Comment: R. Steven Turner (Univ. of New Brunswick)

18. Discovery in the Chemical Laboratory, NFH 113.
Chair: Pat Munday (Montana College of Mineral
Science and Technology)
David Knight (Univ. of Durham), Davy in the Laboratory
Frank James (Royal Institution), Faraday’s Electrochemistry
John H.S. Green (University College, London),
Chemical Laboratories at University College, London, 1828-1914

19. The Scientist as Subject, NFH 119.
Chair: *Geoffrey Cantor (Univ. of Leeds)
Thomas Söderqvist (Stanford Univ.), The Passions of the Scientist
John Christie (Univ. of Leeds), Science, Subjectivity
and Biography
Raymond E. Fancher (York Univ.), The Psychologist as Biographer

Organizer: Trevor Levere (Univ. of Toronto)
Chair: Charles H. Smith (Geological Survey of Canada)
William E. Eagan (Moorhead State Univ.), The
Canadian Geological Survey: Hinterland between Two Metropolises
Hugh S. Torrens (Univ. of Keele), The Geological Survey of Great Britain, the Education of Miners and the Problem of the ‘Practical Man’
John Brooke (Univ. of Lancaster), The Scientist as Aesthete: Hugh Miller and the Popularization of Geology

Chair: Ruth Leys (Johns Hopkins Univ.)
Ian Hacking (Univ. of Toronto), What Psychology Has

22. Problems in the History of Low-Temperature Physics
NFH 113.
K. Gavroglu (National Technical Univ., Athens), Low Temperature Work at London and Leiden: Their Diverging Practices
Erwin Hiebert (Harvard Univ.), European Nuclear Physics Laboratories in the 1930s
Terry Shinn (Sorbonne), Instrument-Worlds and Intellectual Change: The Bellevue Magnet’s Challenge to French Low Temperature Physics, 1922-1940
Comment: *Jed Z. Buchwald (Univ. of Toronto)

23. What was Astronomy in Early Medieval Europe?
NFH 119.
Stephen McCluskey (West Virginia Univ.), The Places of Astronomy: Science and Symbol in the Early Middle Ages
*Bruce Eastwood (Univ. of Kentucky), The Renovation of Planetary Astronomy in Carolingian Europe
Daibhi O Croin (University College Galway), The Evolution of Irish Computistical Studies in the Seventh Century
Comment: Jamil Ragep (Univ. of Oklahoma)

24. The Laboratory and the Natural World in the Field Sciences, VIC 115.
*Marianne Ainley (Concordia Univ.), Laboratory Work in the Field Sciences in Canada: Gender Implications?
Lester D. Stephens (Univ. of Georgia), The Prevalence of the Naturalist Tradition over the Experimentalist Approach in the Nineteenth-Century American South
Sally Newcomb (Prince George’s Community College, MD), The Laboratory in a Field Science: Geology
Thomas Söderqvist (Stanford Univ.), Ecology Between the Lab and the Field
Comment: Stephen Bocking (Univ. of Toronto)

25. Instrumentation and the Production of Phenomena
NFH 003.
*Davis Baird and *Alfred Nordmann (Univ. of South Carolina)
Mathias Dörries (Univ. of California, Berkeley),
Balances, Spectroscopes, and the Reflexive Nature of Experiment
David Gooding (Univ. of Bath), What was Experimental about Thought Experiments?
Karin Knorr-Cetina (Univ. Bielefeld), Primitive Classifications: Reconfigurations of Objects and Subjects in Natural Science Laboratories

Chair: Norman Ball (Univ. of Waterloo)
Kenneth Mernitz (State Univ. of New York, Buffalo),
Promoting Petroleum Science: The American Petroleum Institute's Fundamental Research Program, 1919-1940
Augustus Giebelhaus (Georgia Institute of Technology). Laboratory Science in the Public Interest: Thermodynamics Research at the U.S. Bureau of Mines Bartlesville Petroleum Experiment Station
Joseph Marchese (Navv R&D Center, Bethesda),
Research and Development on Oil Shale During the U.S. Government's Synthetic Fuels Demonstration Program
*Anthony Stranges (Texas A & M Univ.), Canada's Mines Branch and its Synthetic Fuel Program for Energy Independence
Comment: Sheldon Hochheiser (AT&T Archives)

27. Experimentation and Interpretation in Mendelian Heredity, VIC 115.

Doris T. Zallen, Lucien Cuenot and Mendelian Experimentation on Animals
*Robert Olby (Univ. of Leeds), Controversies in the Interpretation of Mendelian Experiments
Jonathan Harwood (Univ. of Manchester), The Impact of Mendelism on the Practice of the German Plant and Animal Breeders
Comment: Jan Sapp (York Univ.)

MONDAY, 27 JULY, 14:30-16:30


Chair: David Gooding (Univ. of Bath)
*John Pickstone (Univ. of Manchester), Museological Science? The Place of the Analytic/Comparative in 19th-Century Science, Technology and Medicine
Sophie Forgan (Teesside Polytechnic), The Architecture of Display: Objects, Museums and Universities in 19th-Century Britain

MONDAY, 27 July, 17:15-18:45

29. Works in Progress I, NFH 003.

30. Works in Progress II, NFH 113.

MONDAY, 27 JULY, 16:45-18:45


Richard Staley (Univ. of Cambridge), The Laboratisation of Mathematics: Reforming Pedagogy in Germany and Britain ca. 1900
*Isobel Falconer (independent scholar), Formulating a Theory: J. J. Thomson and E. Rutherford's Collaboration on X-Ray Ionisation

Jeff Hughes (Univ. of Cambridge), Accounting for Stability at Rutherford's Cavendish

MONDAY, 27 JULY, 19:00

Three-Society Banquet (Great Hall, Hart House)

TUESDAY, 28 JULY, 8:30-10:30

32. The Public Perception of Experiment, NFH 003.

Chair: Paul Wood (Univ. of Victoria)
Jan Golinski (Univ. of New Hampshire), Enlightenment Science and the Problem of the Public Realm
Simon Schaffer (Univ. of Cambridge), Machine Philosophy and its Audiences in Georgian England
John Christie (Univ. of Leeds), Science and the Public Sphere in the Enlightenment
*Larry Stewart (Univ. of Saskatchewan), Paranoia and Response to Experiment in the Late Eighteenth Century

33. Experimentation and Evidence in Evolutionary Theory, NFH 113.

Jean Gayon (Univ. Bourgogne), Biometricians, Experimentation and the Problem of Evidence
Eduardo Wilner (Univ. of Guelph) and *Michael Ruse (Univ. of Guelph), The Challenge of Darwin's Origin
John Beatty (Univ. of Minnesota), Dobzhansky and the Hardening of the Synthesis

34. The Lab that Made a Wizard, NFH 119.

Chair: William Aspray (Center for History of Electrical Engineering)
Robert Rosenberg (Edison Papers), How the Phonograph Emerged in a Telegraph Lab Working on Telephones
*Keith Neir (Edison Papers), Edisonian Comparisons on What Kind of Theory Experiment Needs . . . and When
Paul Israel (Edison Papers), How Edison Incorporated 'Prior Knowledge' and 'Theory' into the Work of His Menlo Park Lab: The Case of Electric Lighting
Comments: Bruce Hunt (Univ. of Texas) and Eda Kranakis (Amsterdam)


Chair: Israel Kleiner (York Univ.)
Margaret Schabas (York Univ.), The Distinction Between Mathematical and Statistical Economics in the Nineteenth Century
*Thomas Archibald (Acadia Univ.), Keys to the Kingdom or Amazing Toys: Modes of Mathematical Modelling in Mid-Nineteenth-Century Physics
Oliver Darrigol (CNRS, Paris), Niels Bohr's Imaginary Laboratory
Stephen Stigler (Univ. of Chicago), How Experiments Create Probabilities
Comment: *Craig Fraser (Univ. of Toronto)
36. From Laboratories to Laws: Examples from Chemistry NFH 003.
   Chair: William Brock (Univ. of Leicester)
   Arthur Donovan (U.S. Merchant Marine Academy), Lavoisier's Laboratory
   *Mel Usselman (Univ. of Western Ontario), Reconstructing Classical Chemical Experiments
   Colin Russell (Open Univ.), Laboratory Techniques and the Birth of Organometallic Chemistry
   Comment: R. Steven Turner (Univ. of New Brunswick)

37. Experiments and Instruments in the Seventeenth Century, NFH 113.
   *David Bryden (National Museum of Scotland), The 'Imprimatur' of the Royal Society and the Marketing of Instruments in Late Seventeenth-Century London
   *Steve Pumfrey (Univ. of Lancaster), The Professionalization of Experiment at the Early Royal Society Lawrence Principe (Johns Hopkins Univ.), title to be announced.

   Chair: *Janet Browne (University College, London)
   *Harriet Ritvo (MIT), Race, Breeds, and Myths of Origin: Chillingham Cattle as Ancient Brions
   Ann Shier (York Univ.), Undomesticating a 'Feminine' Science: Popular Botany in the 1820s and 1830s
   William H. Brock (Univ. of Leicester), Liebig on Toast

   Chair and comment: to be announced
   *Jeff Ramsey (Univ. of North Carolina, Wilmington), Of 'Fundamental' Interest: Research in Mid-20th Century Academic and Industrial Chemical Science
   Ronald Kline (Cornell Univ.), Incorporating Science and Engineering: Industrial Research at General Electric and Westinghouse, 1880-1930
   *Loren Butler (Univ. of Chicago), Becoming Merely Useful: The Changing Place and Character of Applied Mathematics in America Between the Wars

TUESDAY, 28 JULY, 10:45-12:45

40. Cosmic Ray Research as a “Laboratory” of Elementary Particle Physics, NFH 003.
   Chair: *Laurie Brown (Northwestern Univ.)
   Laurie Brown, The Role of Mesons and Meson-Decay in the Interpretation of Cosmic Ray Phenomena
   Raj Williamson (Univ. of Manchester), The Cosmic-Ray Research of P. M. S. Blackett
   David Cassidy (Hofstra Univ.), The Heisenberg School of Cosmic Ray Theorists in the 1930s

   *Janet Bell Garber (independent scholar), William Sharp MacLeay, Entomologist
   Mario MacGregor (Univ. of Cambridge), Charles Darwin's View of MacLeay as Revealed in his Abstract of MacLeay's Horae Entomologicae
   Gordon McQuat (Univ. of Toronto), Hugh Strickland's Reaction to Quinarianism and the 'Strickland Rules' of Nomenclature
   Sherrie Lyons (Univ. of Chicago), William Sharp MacLeay and Huxley's Search for a Natural System of Classification
   Comment: Mary P. Winsor (Univ. of Toronto)

42. Imagery and Artistry in Laboratory and Field Notebooks, NFH 119.
   Chair: Jane Camerini (independent scholar)
   Beryl Hartley (Imperial College, London), Naturalistic Representation: Learning and Communicating New Skills in Nineteenth-Century Landscape Painting
   Arthur Miller (University College, London), Thought-Experiments: Journeys to Possible Worlds
   *David Gooding (Univ. of Bath), Representing the Practices that Represent the World
   David Topper (Univ. of Winnipeg), Scientific Illustrations: Purposes, Practices, Problems and Projects

43. Oceanographic Laboratories, VIC 115.
   Margaret B. Deacon (Univ. of Southampton), Zoological Laboratories and Marine Stations in Late Nineteenth Century Britain
   Keith Benson (Univ. of Washington), Teaching and Research at the Shore: The Early Development of Hopkins Marine Station and Friday Harbor Laboratories
   *Eric Mills (Dalhousie Univ.), The Marine Laboratory as Observatory: W. E. Ritter and the Scripps Institution
   Jennifer Hubbard (Univ. of Toronto), The International Passamaquoddy Power Commission of 1933-35

TUESDAY, 28 JULY, 17:15-18:45

44. Works in Progress III, NFH 003.

45. Works in Progress IV, NFH 113.
BRITISH-NORTH AMERICAN JOINT MEETING
British Society for the History of Science
Canadian Society for the History and Philosophy of Science
Conference on the History of the Laboratory and of Laboratory Science
26-28 July 1992
Toronto, Ontario, CANADA

CONFERENCE REGISTRATION FORM

NAME: ____________________________
INSTITUTION: ______________________
ADDRESS: __________________________

I am a member of: BSHS CSHPS HSS
(Please check all that apply)

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PRE-REGISTRATION (by 25 May 1992):
Member (of any sponsoring organization) 50 45 25
Non-member 75 67 38
Student 15 14 8

LATE REGISTRATION (after 25 May 1992):
Member (of any sponsoring organization) 65 58 33
Non-member 90 80 45
Student 20 18 10

BANQUET (Monday, 27 July 1992)
Chicken 30 27 15
Vegetarian 30 27 15

TOTAL OF ALL CHARGES
(Price includes G.S.T.)

Canadian registrants (and others paying in Canadian dollars) should send completed forms and cheques (made payable to "Joint Conference Local Arrangements") to:
Professor M.P. Winsor
Joint Conference
Local Arrangements
Institute for the History and Philosophy of Science and Technology, Victoria College, Room 316
University of Toronto
Toronto, Ontario, Canada M5S 1K7

U.S. registrants (and others paying in U.S. dollars) should send completed forms and checks (made payable to "HSS") to:
Dr. Michael M. Sokal
Executive Secretary, History of Science Society
35 Dean Street, Worcester, MA 01609 USA

British registrants (and other paying in sterling) should send completed forms and cheques (made payable to "BSHS") to:
Wing-Commander Geoffrey Bennett
Executive Secretary, British Society for the History of Science
31 High Street, Stanford in the Vale
Faringdon, Oxfordshire, UK SN7 8LH
OFFICERS OF RELATED SOCIETIES FOR 1992

American Association for the History of Medicine
President: John C. Burnham, Department of History, Ohio State University, 230 West 17th Avenue, Columbus, OH 43210; (614) 292-5465. Vice-President: Charles E. Rosenberg, Department of the History and Sociology of Science, University of Pennsylvania, 215 South 34th Street, Philadelphia, PA 19104; (215) 898-8210. Secretary-Treasurer: J. Worth Estes, Department of Pharmacology, Boston University School of Medicine, 80 East Concord Street, Boston, MA 02118; (617) 638-4328. Immediate Past President: Guenter B. Risse, Department of the History and Philosophy of Health Sciences, University of California, San Francisco, CA 94113; (415) 476-2766.

International Society for the History, Philosophy and Social Studies of Biology
President: David Hull, Department of Philosophy, Northwestern University, Evanston, IL 60208; (708) 491-3656; e-mail Brentano@Philo.Edu. President-Elect: Richard Burkhardt, Department of History, University of Illinois, 306 W. Vermont Street, Urbana, IL 61801; (217) 244-0922. Past-President: Jane Maienschein, Department of Philosophy, Arizona State University, Tempe, AZ 85282; (602) 965-6105; e-mail auVim@asuvm.inre.asu.edu. Treasurer: Joel Cracraft, Department of Anatomy, University of Illinois, P.O. Box 6998, Chicago, IL 60680; (312) 996-4955.

Philosophy of Science Association
President: Bas C. van Fraassen, Department of Philosophy, Princeton University, Princeton, NJ 08540; (609) 452-4304. President-Elect: Ronald N. Giere, Department of Philosophy, University of Minnesota, Minneapolis, MN 55455; (612) 374-1379; e-mail Philosci@UMNacvx.Bitnet.

Immediate Past President: Thomas S. Kuhn, Department of Linguistics and Philosophy, Massachusetts Institute of Technology, 200-105, Cambridge, MA 02139; (617) 253-5344. Executive Secretary: Peter D. Asquith, Department of Philosophy, Michigan State University, 503 South Kedzie Hall, East Lansing, MI 48824; (517) 353-9392; e-mail Asquith@MSU.Edu. Editor-in-Chief of Philosophy of Science: Merrilee H. Salmon, Department of History and Philosophy of Science, University of Pittsburgh, Pittsburgh, PA 15260; (412) 422-2022.

Society for Literature and Science
President: N. Katherine Hayles, Department of English, University of Iowa, Iowa City, IA 52242; Stanford Humanities Center, Mariposa House, Stanford University, Stanford, CA 94305; (415) 725-1330; e-mail Kate@Leland.Stanford.Edu.

Executive Director and Editor of Decodings (SLS Newsletter): Judith Yaross Lee, School of Interpersonal Communication, Lasher Hall, Ohio University, Athens, Ohio 45701; (614) 593-4844; e-mail LeeJ@OUvaxa.ohio.edu. First Vice-President: James Bonito, Department of History, State University of New York at Buffalo, Park Hall, Buffalo, NY 14260; (716) 636-3432; e-mail hischaos@ubvm.

Second Vice-President: Stuart Peterfreund, Department of English, Northeastern University, Boston, MA 02115; (617) 437-2512. Bibliographer: Donald Benson, Department of English, Iowa State University, Ames, IA 50011; (515) 294-8374.

Editor of Quadrant: Kenneth Knoespel, Department of Literature, Communication, and Culture, Georgia Institute of Technology, Atlanta GA 30332; (404) 894-2841.

Society for the History of Technology
President: Carroll W. Pursell, Department of History, Case Western Reserve University, Cleveland, OH 44106; (216) 368-2261; e-mail cxp7@po.CWRU.Edu. Vice President and President Elect: Ruth Schwartz Cowan, Department of History, State University of New York, Stony Brook, NY 11794; (516) 632-7498; e-mail RCOwAN@cmail.SUNYSB.Edu.

Secretary: Bruce Sesey, Department of Social Sciences, Michigan Technological University, Houghton, MI 49931; (906) 487-2459; e-mail BSey@MTUs5.cts.MTU.Edu. Treasurer: Russell I. Fries, Institute for Defense Analyses, 1801 North Beauregard Street, Alexandria, VA 22311; (703) 845-2405.


Society for the Social Studies of Science
President: Harry Collins, School of Humanities and Social Sciences, University of Bath, Bath UK BA2 7AY; (0225) 826-826; e-mail hssHMC@vk.ac.Bath.GDR. Immediate Past President: Harriet Zuckerman, Department of Sociology, Columbia University, Fayerweather Hall, New York, NY 10027; (212) 280-2149. Secretary-Treasurer: Wesley Shrum, Department of Sociology, Louisiana State University, Baton Rouge, LA 70803; (504) 388-1647; e-mail sowes@LSUvm.Bitnet. Editor of Technoscience (4S Newsletter): Steve Fuller, Center for the Study of Science in Society, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061; (703) 231-7687; e-mail Fuller@vtvm2.cc.vt.Edu.

EDUCATION PROGRAMS

The Science Dynamics Department at the University of Amsterdam offers a one-year Masters program in science and technology studies. The department defines "Science Dynamics" as "the interdisciplinary study of the development of science and technology in relation to their intellectual and social contexts," and draws on the approaches and methods of a variety of disciplines.
under the direction of G.J.V. Nossal (Melbourne). The limited-enrollment course will have "scientists meet with professional historians to analyze and discuss the events that have marked turning points in their field of interest," and will "emphasize discussion and the exchange of ideas across disciplinary boundaries." Applications, with brief curriculum vitae and statements specifying scientific and academic experience and interest in the topic of the course, should be sent by 30 April 1992 to History of Science Unit, Stazione Zoologica di Napoli, Villa Comunale, I-80121 Napoli, Italy; telephone 39 (0) 815833215; fax 39 (0) 81 7641355. Late applications will be considered. A registration fee of Italian Lira 1,250,000 (approx. US $1,000) will be required to cover registration and board and lodging in Ischia.

An International Workshop on the History of Women in Science, Technology and Medicine will be held 8-13 August 1992 in Sopron, Hungary, and 14 August at the Technical Museum, Vienna, Austria, under the auspices of the Commission on the History of Women in Science, Technology and Medicine, Division of History of Science, International Union of the History and Philosophy of Science. Potential participants should contact one of the Workshop's organizers as soon as possible. They are: Eva Vámos, Commission President [Országos Múszaki Múzeum (National Museum for Science and Technology), Kaposvár u. 13-15, H-1117 Budapest, Hungary, telephone (36-1) 166-7011; fax (36-1) 166-7188]; Margaret W. Rossiter, Commission Vice President [Dept. of Science and Technology Studies, Cornell University, 726 University Avenue, Ithaca, NY 14853; (607) 255-2545]; and Brigitte Hoppe, Commission Vice President [Institut für Geschichte der Naturwissenschaften, Postfach 26 01 02, D-8000 München 25, Germany]. Additional information is available from the Workshop Secretariat, MTESZ Pályázati és Vállalkozási Iroda, Istvánfiné Karácsonyi ldkikördövezető, H-1027 Budapest, Hungary; telephone (36-1) 201-87-73; fax (36-1) 156-12-15.
FUTURE MEETINGS & CALLS FOR PAPERS

In 1993, the American Association for the Advancement of Science will meet in Boston, 11-16 February. The AAAS Section on History and Philosophy of Science urges HSS members and others to submit proposals for three-hour symposia, technical sessions, and workshops, and can arrange to have the 1 April 1992 submission deadline extended. Proposal forms and submission details are available from AAAS Meeting Program Office, 1333 H Street, NW, Washington, DC 20005; (202) 326-6448; fax (202) 289-4021. Questions about the Section and its programs should be addressed to its Secretary, Edward Manier, Department of Philosophy, University of Notre Dame, Notre Dame, IN 46556; (219) 239-6471; e-mail: Manier@Irishmvs.Bitnet.

The third conference of the International Association of Word & Image Studies will be held at Carleton University, Ottawa, Ontario, 15-21 August 1993. For further information contact A. W. Halsall and David A. Goodreau, Centre for Rhetorical Studies, Carleton University, Ottawa, Ontario, K1S 5B6 Canada.

To celebrate the eighty-eighth birthday of Japan's senior scholar of the history of science, Prof. Yabuuti Kiyosi, the seventh International Conference on the History of East Asian Science will convene at Kyoto International Hall and Kansai University Memorial Hall, Osaka, Japan, 2-7 August 1993, under the auspices of the International Society for the History of East Asian Science, Medicine, and Technology. For copies of the first circular contact Hashimoto Keizo of Kansai University, 39-2 Tange, Momoyama-cho, Fushimi-ku, Kyoto 612, Japan. For information about the Society or its journal, Chinese Science, contact its President, Nathan Sivin (E. F. Smith Hall, University of Pennsylvania,
A conference on New Developments in Technology Studies: Evolutionary Economics and Chaos Theory has been called for Amsterdam, 6-8 May 1993, to discuss (among other “issues of relevance”) technological paradigms and trajectories, “self-organization” and technological evolution, simulation studies, path dependent developments and irreversibility, measuring heterogeneous networks, and entropy, variation, selection, and stabilization. For further information contact Loet Leydesdorff, Department of Science Dynamics, Nieuwe Achtergracht 166, 1018 WV Amsterdam, The Netherlands; telephone (31) (20) 525-6598; e-mail A498Loc@hasara11.Bitnet.

The twelfth Scientific Instrument Symposium will meet in Edinburgh, 7-11 September 1992 to address “the historiography of scientific instruments.” For further information contact A. D. Morrison-Low, National Museums of Scotland, Chambers Street, Edinburgh, UK EH1 1JF.

An international conference addressing Scientific Work in the Correspondence between Savants in the 17th and 18th Centuries will be held under CNRS auspices at the Bibliothèque Nationale, in Paris, 10-13 June 1992. Its goals include: to revive the international scientific and intellectual community at the end of the 17th century; to study and specify the role of scientific correspondence in the genesis of scientific results; and to promote exchanges, on an all-European level, among the various research groups editing this correspondence. For further information contact Michel Blay and Jeanne Peiffer, Laboratoire d’Histoire des Sciences et des Techniques, Centre National de la Recherche Scientifique, 49 rue Mirabeau, 75016 Paris.

The spring meeting of the Society for Health and Human Values (30 April-3 May 1992, in Tampa, FL) will address Medicine and Its Stories. For further information, contact Joanne Ross or Lois LaCivita Nixon, Tampa General Hospital, P.O. Box 1289, Tampa, FL 33601; (813) 251-7481

The Society for the Social History of Medicine plans three meetings during the next twelve months: a summer 1992 meeting, on Communities, "Caring" and Institutions, at All Souls College & St. Edmund Hall, Oxford, 3-5 July 1992 (for further information contact Richard Smith, Wellcome Unit for the History of Medicine, 45-47 Banbury Road, Oxford OX2 6PE); an autumn 1992 meeting, From "Idiocy" to "Mental Deficiency": Historical Perspectives on People with Learning Disabilities, at the Institute of Historical Research, University of London, 17 October 1992 (for further information contact Lara Marks, Department of Geography, Queen Mary and Westfield College, London E1 4NS); and a spring 1993 meeting, on the History of Nutrition, in Glasgow (for further information contact David Smith, Wellcome Unit for the History of Medicine, University of Glasgow, Glasgow G12 8QQ).

The 1992 meeting of the West Coast History of Science Society, will take place at the Inn at Morro Bay on Saturday, 9 May, and Sunday, 10 May. Sessions will begin at approximately 10:00 AM on 9 May. The last session will end about noon on 10 May. Paper proposals are due by 31 March. Please send title and very brief summary (100 words), along with your name, affiliation, address, telephone number, and E-mail address if available. Proposals for individual papers as well as proposals for sessions from scholars at all stages of their professional career are most welcome. Send proposals to Ted Porter, Department of History, UCLA, 405 Hilgard Avenue, Los Angeles, CA 90024-1473; (310) 206-2352 (office: Tu, Th and message), (714) 854-6419 (home: other days); E-mail porter@histr.sscnet.ucla.edu

Lecture Series

Speakers and topics in coming History of medicine seminars at the College of Physicians of Philadelphia include:

Philip Teigen (History Medicine Division, National Library of Medicine), "Alexander Leuf and the Beginning of Baseball Medicine," 2 April; Maneesha Lal (History and Sociology of Science, Univ. of Pennsylvania), "The Countess of Dufferin Fund and Medical Care of Women in India," 9 April; John Swann (History Office, U.S. Food & Drug Administration), "The History of Prescription Drug Regulation to 1951," 16 April; and Sarah Tracy (History and Sociology of Science, Univ. of Pennsylvania), "Days of Recurring Desire: Patients’ Lives Inside the Inebriate Hospital, 1893-1919," 23 April. For further information contact Carla C. Jacobs, Francis C. Wood Institute for the History of Medicine, College of Physicians of Philadelphia, 19 South 22nd Street, Philadelphia, PA 19103; (215) 563-3737, ext. 273.

Speakers and topics in coming Science-Technology Studies colloquia at Colby College include: Thomas H. Tietenberg (Colby), "Economic Incentives, Technology Choices, and the Quest for Sustainable Development," 10 April; Leo Marx (MIT), "The Environment and the Two Cultures," 23 April; and Norman F. Ramsey (Harvard Univ.), "Contributions of Science to Causing and Curing Pollution," 24 April. For further information contact James R. Fleming, Colby College, Waterville, ME 04901.

Positions

This list is compiled with Anne Millbrooke and presents all announcements of job searches brought to the Society’s attention, including (at times) paid insertions. 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 responsibility for the accuracy of any listing, and potential applicants should triple-check all details, especially closing dates.

The Bakken: A Library and Museum of Electricity in Life seeks a Director to have overall responsibility for the implementation of its mission, including the supervision of its staff and budget, fund-raising, expansion of educational
outreach programs, and public relations. Ph.D. (preferably in history of science, technology or medicine) or equivalent experience required, with high leadership and administrative abilities. Starting Date of appointment is negotiable, but no later than September 1992. Applicants should submit letter of application and curriculum vitae (and also request that three letters of reference be sent) to Roger Steuwer, The Bakken, 3537 Zenith Avenue South, Minneapolis, MN 55416.

The Brooklyn Historical Society seeks a recent Ph.D. or Ph.D. candidate in history of science or technology to serve as Research Consultant for an exhibition on the mass production of penicillin by Brooklyn’s Pfizer, Inc., during World War II. Responsibilities include finding and arranging for loan or donation of pertinent artifacts, photographs, and archival materials; working with academic consultants and BHS staff to establish appropriate themes and organization for the exhibition; and generating all label and brochure copy for the exhibition. Previous museum experience is highly desirable; excellent research and writing skills required. Research stipend: 60 days of work (2 days per week) at $200/day. Submit cover letter and curriculum vitae by 1 May 1992 to Ellen Snyder-Grenier, Chief Curator, The Brooklyn Historical Society, 128 Pierrepont Street, Brooklyn, NY 11201; (718) 624-0890.

The Centre de Recherche en Histoire des Sciences et des Techniques, Cité des Sciences et de l’Industrie et Centre National de la Recherche Scientifique, La Villette in Paris has two (CNRS) research positions for the 1992-93 academic year. Candidates should have a doctorate in the history of science or technology (or closely related fields). Applications are encouraged from younger scholars whose projects fall within one of the Center’s main areas of research: i.e., the history (nineteenth and twentieth century) of (1) the relationship between science, technology, and industry; (2) the spread of scientific and technical knowledge and ideas, including the history of popularization; and (3) the interaction of France with foreign countries in the fields of science and technology. Appointments can be made for less than one year. All positions require a good command of the French language and working permit issued by French authorities. The monthly salary is between 12 and 15,000 Francs; travel/ removal expenses will not be reimbursed. Submit letters of application, with complete curriculum vitae, list of publications, brief statement of the proposed research (in French) and two letters of recommendation, by 30 April 1992 to Dominique Pestre, C.R.H.S.T., Cité des Sciences et de l’Industrie, 75930 Paris cedex 19, France; telephone 40-05-75-52; fax 40-05-79-21.

The College of American Pathologists seeks an experienced Archivist, with a master’s degree in public history or a related field, to help develop and manage its archives. For further information contact Human Resources, College of American Pathologists, 325 Waukegan Road, Northfield, IL 60093.

The editors of the Correspondence of Charles Darwin seek an Associate Editor to join the staff based at the Darwin Archives, Cambridge University Library, Cambridge, England. Applicants should have a Ph.D. in History of Science, preferably with an emphasis on nineteenth century biology, and some editing experience. The appointment will be for three years, with the possibility of longer tenure and advancement to senior editor of the Cambridge project staff. The appointee will be an employee of the American Council of Learned Societies, the sponsor of the Darwin project. Applications are encouraged from those recently retired from active academic life. Applications, resumes, and three references should be submitted by 1 May 1992. Applicants should ask referees to write directly to Frederick Burkhardt, Darwin Correspondence Project, P.O. Box 1067, Bennington, VT 05201.

The Dibner Institute for the History of Science and Technology is seeking a Head Librarian and Curator of the Burndy Library, to play a major role in planning the library’s future development, oversee all library activities, supervise a small professional and support staff and serve as key representative of the library to Dibner Institute scholars and students, the libraries of Dibner Institute consortium members, and a variety of external constituencies. Requirements include a master’s degree in library science or equivalent preparation, a record of distinguished educational, scholarly and professional achievement, a working knowledge of foreign languages, varied and responsible administrative experience in an academic or research library and close familiarity with the world of rare books in the history of science and technology. Review of nominations and applications will begin on 1 March 1992 and will continue until the position is filled. Send letters of nomination or application, including resume and references to Evelyn Simha, Executive Director, Dibner Institute for the History of Science and Technology, 38 Memorial Drive, Cambridge, MA 02139.

The Thomas A. Edison Papers again invites applications for possible postdoctoral and predoctoral appointments in historical editing. Prefer background in nineteenth- or twentieth-century American history, with an emphasis on the history of business, technology, or science. Applicants should send curriculum vitae and names and telephone numbers of three references to Thomas Edison Papers, Van Dyck Hall, New Brunswick, NJ 08903.

The Hagley Museum and Library seeks an Associate Director for its Center for the History of Business, Technology, and Society, to manage the Center’s day-to-day operations under the leadership of newly-appointed Director Philip Scranton. M.A. or equivalent experience required, museum experience desired. Contact Human Resources, Hagley Museum and Library, P.O. Box 3630, Wilmington, DE 19807.

The University of Hawaii at Manoa seeks applicants for a one-year temporary Assistant Professorship for the 1992-93 academic year, pending funding. Duties include teaching introductory history of science, and either upper-level science-studies courses or introductory science courses depending on qualifications and departmental needs. Minimum qualifications: Ph.D. in history of science or related field; teaching experience. Desirable qualifications: strong science
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background, preferably in biological science, experience in science education. Submit letter of application, resume, and three letters of reference to Rachel Lauden, General Science Department, University of Hawaii at Manoa, 2450 Campus Road, Honolulu, Hawaii 96822 by 30 April 1992.

The Howard Hughes Medical Institute seeks an experienced part-time contract Archivist with MA/MLS preferred to work with records administrators to help establish and operate archives for a philanthropy that supports biomedical research and education nationwide. For further information contact Jeanne Mark, Howard Hughes Medical Institute, 6701 Rockledge Drive, Bethesda, MD 20817; (301) 571-0523.

For the 1992-93 academic year, the Indiana University Department of History and Philosophy of Science will appoint an interim, visiting, entry-level Historian of Science (with Ph.D. in hand) to teach two large service courses, one in the fall ("The Occult in Western Civilization") and one in the spring, and to share (in the fall) the teaching a graduate survey in science from antiquity to 1800. For further information, including a detailed description of teaching expectations, interested candidates should send curriculum vitae and supporting materials (including three letters of recommendations) to Frederick Churchill, History and Philosophy of Science, Goodbody Hall 130, Bloomington, IN 47405; (812) 855-3622. Deadline: 15 March 1992, or until the job is filled.

The Department of Public Health Policy and Administration of the University of Michigan invites applications for a tenure-track assistant professor, to begin September 1992, to teach environmental health policy courses for public health graduate students. Applicants may be identified with (among other disciplines) history—so long as their "work includes an analysis of environmental health policy roadly construed"—should possess a doctoral degree or be able to demonstrate substantial progress toward the completion of the degree and should send application materials (including a letter, curriculum vitae, three letters of recommendation, examples of scholarly work, and any other supporting materials) to Chair, Environmental Health Policy Search Committee, Department of Public Health Policy and Administration, School of Public Health, University of Michigan, Ann Arbor, MI 48109-2029. Applications will be considered until the position is filled.

The University of Northern Iowa seeks applicants for a tenure-track entry-level assistant professorship in U.S. History, to begin August 1992. The successful applicant will teach general education course in American civilization and upper-level U.S. courses in at least two of the following areas: history of technology, environmental history, public history, early national history. Teaching experience and scholarly publications preferred. Ph.D. required for tenure-track appointment. ABDs will be considered. Send letter of application, curriculum vitae, and three letters of recommendation to Robert F. Martin, Department of History, University of Northern Iowa, Cedar Falls, IA 50614. Review of applications will begin 2 March 1992 and continue until an appointment is made.

RECENTLY COMPLETED DISSERTATIONS


EXHIBITIONS

With her students, Barbara Stafford (Univ. of Chicago) has organized three exhibitions, all currently on display in Chicago, of interest to HSS members.

Imaging the Body: From Fragment to Total Display (30 January to 28 April, Art Institute of Chicago) includes more than sixty drawing, prints, and photographs from the Art Institute's collections that "demonstrate how the presentation of the human figure has evolved from the sixteenth century to the present," and closes with a magnetic resonance brain scan and similar images. Metaphors of Biological Structure/Architectural Construction (4 March to 4 May, Ryerson and Burnham Libraries, Art Institute of Chicago), illustrates the connections between biology and architecture, and both exhibitions are complemented by Depth Studies: Illustrated Anatomies from Vesalius to Vico d'Azur (17 March to 7 June, Smart Museum, Univ. of Chicago). The exhibitions coincide with Imaging the Body: Art and Science in Modern Culture, an international symposium at the University of Chicago, 1-4 April 1992. For further information contact the Center for Imaging Science, University of Chicago, 5841 South Maryland Avenue, Box 433, Chicago, IL 60637; (312) 702-6271.
FELLOWSHIPS AND GRANTS AVAILABLE

The Department of History of the University of Sao Paulo and the Forum on Science and Culture of the Federal University of Rio de Janeiro will sponsor this summer an international congress, América 92: Raízes e Trajetórias, in São Paulo, 16-20 August, and in Rio de Janeiro, 24-30 August. For further information contact the Organizing Committee, Departamento de História, Universidade de São Paulo, Av Lineu Prestes 338, São Paulo, Brasil, CEP 05508; fax 55 (011) 210-2217.

The American Institute of Physics Center for History of Physics continues its program of grants-in-aid (of up to $2,000) for research in the history of modern physics and allied sciences (such as astronomy, geophysics, and optics) and their social interactions. The grants are awarded only to reimburse direct expenses connected with the research, with preference for those who use part of the funds to work at the Center’s Niels Bohr Library, or to microfilm papers or to tape-record oral history interviews with a copy deposited in the Library. Applicants should either be working toward a graduate degree in the history of science, or show a record of publication in the field. They should send a vita, plus a letter of no more than two pages describing their research projects, and include a brief budget showing the expenses for which support is requested. Send to Spencer R. Weart, Center for History of Physics, American Institute of Physics, 335 East 45th Street, New York, NY 10017. Deadlines for receipt of applications are 30 June and 31 December of each year.

The Center for 17th- & 18th-Century Studies, University of California, Los Angeles, and the William Andrews Clark Memorial Library have created theme-based Ahmanson and Getty Postdoctoral Fellowships for participation in the Center’s cross-disciplinary, comparative research projects. For 1992-93, the theme will be “Constructing the Body in the 17th and 18th Centuries,” including (among other topics) “Science and the Body.” Scholars with relevant research projects, and with Ph.D.’s less than six years old, are encouraged to apply. Awards (of $9,200 per academic quarter) will be for two or three academic quarters for residence at UCLA and the Clark Library. For application materials contact Center for 17th- & 18th-Century Studies, 1100 Glendon Avenue, Suite 1548, Los Angeles, CA 90024; (310) 206-8552; fax (310) 206-8577.

To “open dialogues between historians and home economists on the impact of home economics on American society,” the Cornell University College of Human Ecology offers fellowships of $3,500 each to help defray the costs of a summer’s research at Cornell’s Mann Library on the History of Home Economics or Nutrition. Applicants should submit by 1 May 1992 short (3-5 pages) proposals of research planned (specifying the materials or types of materials to be used), a curriculum vitae, a writing sample, and two letters of recommendation to the Dean, College of Human Ecology, Cornell University, N113 MVR, Ithaca, NY 14853; (607) 257-0568.

The Fulbright Scholar Program for 1993-94 includes some 1,000 grants for research, lecturing, or some combination of the two. Many assignments are extremely flexible to the needs of the grantee, and independent scholars and teachers in all academic ranks—including former grantees—may apply. Basic eligibility requirements include U.S. citizenship, the Ph.D. (or comparable professional qualifications) and (for lecturing awards) university or college teaching experience. Language skills are needed for some countries, but most lecturing assignments are in English. Early deadlines exist! 15 June for Australasia, South Asia, most of Latin America, and the U.S.S.R.; and 1 August for Africa, Asia, Europe, the Middle East, Canada, and lecturing awards in the Caribbean, Mexico, and Venezuela. Other deadlines are in place for special programs. For further information and applications, contact the Council for International Exchange of Scholars, 3007 Tilden Street, NW, Suite 5M, Box NEWS, Washington, DC 20008-3009; (202) 686-7877.

The Indo-U.S. Subcommission on Education and Culture offers long-term (6-10 months) and short-term (2-3 months) grants for academic research in India. Applicants must be U.S. citizens and hold the Ph.D. (or comparable professional qualifications), and scholars and professionals with limited or no prior experience in India are especially encouraged to apply. Application deadline for 1993-94 is 15 June 1992. For application forms and further information contact the Council for International Exchange of Scholars, 3007 Tilden Street, NW, Suite 5M, Box INDO, Washington, DC 20008-3009; (202) 686-7877.

The National Endowment for the Humanities has recently created NEH Dissertation Grants for 1993-94 (with $17,500 stipends) to be awarded to Ph.D. candidates completing their dissertations by the end of 1994. The application deadline will be in late fall 1992. Full information and guidelines are available from the NEH Division of Fellowships and Seminars, Room 316, 1100 Pennsylvania Avenue, NW, Washington, DC 20506; (202) 786-0463.

The Travel to Collections program of the National Endowment for the Humanities provides grants of $750 to help American scholars travel to research collections throughout the United States and the world. Awards help defray such research expenses as transportation, lodging, food, and photoduplication and other reproduction costs. The application deadlines for 1992 are 15 January and 15 July. For information and application materials contact the NEH Division of the Fellowships and Seminars, Room 316, 1100 Pennsylvania Avenue, NW, Washington, DC 20506; (202) 786-0463.

The Program in the History of Science at Stanford University “is operating a new area of research in the history of immunology, molecular biology, [and] biotechnology” and offers a postdoctoral research fellowship (beginning September 1992) focusing on the history of immunology since the Second World War. For further information contact Horace Freeland Judson, Program in the History of Science, Stanford University, Building 200, Room 31, Stanford, CA 94305; (415) 725-8333.


AWARDS, HONORS & APPOINTMENTS

John Hedley Brooke (Univ. of Lancaster) and Geoffrey Cantor (Univ. of Leeds) have been invited to deliver the 1995-96 Gifford Lectures at University of Glasgow. Their ten-lecture series will address The Engagement of Science & Religion, Historically Considered, and while “previous Gifford Lecturers have sometimes discussed historical issues, a series in which the History of Science is centre-stage appears to be unprecedented.”

Frederick Burkhardt has received the first Morton N. Cohen Award for a distinguished edition of letters, presented by the Modern Language Association, for The Correspondence of Charles Darwin.

Andrew J. Butrica has been awarded a grant for 1991-92 by the NSF Program for Research at Foreign Centers of Excellence to investigate the role of the Société d’Encouragement pour l’Industrie Nationale (founded in Paris in 1801) in promoting cooperation between science and industry.

Mark Clark (Univ. of Delaware) has been awarded the third annual Tomash Fellowship of the Charles Babbage Institute at the University of Minnesota for a project on the development of magnetic recording technology and its social implications during 1991-92.

Elisabeth Crawford is now affiliated with the Group d’Etude et de Recherche sur la Science (GERSULP) at the Université Louis Pasteur and the Centre d’Etudes Germaniques, Universität Strasbourg 3.

Lorraine J. Daston will join the Department of History at the University of Chicago in the fall of 1992.

Carl N. Degler has been awarded Phi Beta Kappa’s 1992 Ralph Waldo Emerson Award for an “outstanding scholarly study of the intellectual and cultural condition of man” for In Search of Human Nature: The Decline and Revival of Darwinism in American Social Thought (Oxford Univ. Press, 1991).

W. Bruce Fye has been appointed Official Historian of the American College of Cardiology.

Gerd Gigerenzer will join the Department of Psychology at the University of Chicago in the fall of 1992.

Owen Gingerich became chair of the Harvard University Department of the History of Science on 1 February 1992.

Dora Grinberg has won the 1992 Enrique Beltran Prize for her essay “Pre-Hispanic Metallurgy in Meso-America.”

Owen Hannaway (Johns Hopkins Univ.) has been appointed coeditor of the Cambridge History of Science Series, joining George Basalla (Univ. of Delaware) and succeeding the late William Coleman.

The Herman Dunlap Smith Center for the History of Cartography of the Newberry Library has awarded its Kenneth Nebenzahl, Jr., Prize to Roger Kain (Univ. of Exeter) and Elizabeth Baigent (Oxford Univ.) for Cadastral Maps in the Service of the State: A History of Property Mapping in Europe and Her Colonies (Univ. of Chicago Press, forthcoming).

Melvin Kranzberg has received the John Desmond Bernal Award of the Society for the Social Studies of Science.

John Lankford has been appointed Professor of History of Science and Technology at West Virginia University.

Sara Joan Miles has been granted tenure as Associate Professor of History and Biology at Wheaton College, Wheaton, IL.

Ronald L. Numbers (Univ. of Wisconsin) has been awarded the 1991 Albert C. Outler Prize of the American Society of Church History for The Creationists (Knopf, forthcoming).

Elizabeth E. Sandager appointed Field Archivist for the Biomolecular Sciences Initiative by the National Foundation for History and Chemistry

Philip Scranton (Rutgers Univ., Camden) has been named Director of the Hagley Museum and Library’s Center for the History of Business, Technology, and Society.

Barbara Shapiro has begun a two-year term as the President of the North American Conference on British Studies.
MEETING REPORTS

The European University Institute is the institutional home of a five year project by three scholars to write a history of the European Space Agency. The leader of that project, John Krige, arranged a symposium on Choosing Big Technologies to bring together people and ideas that could provide a larger perspective on their subject. Participants included historians, sociologists, political scientists, and space scientists and administrators, from Italy, France, England, Germany, the United States, and Japan. Session topics included scientific satellites, applications satellites, national space programs, high energy physics, and nuclear power. Some of the papers delivered at the symposium will be published as a special issue of History and Technology in Summer 1992.

Two things made the symposium particularly rewarding: communication between scholars in different countries and communication between scholars in different disciplines. The European scholars were, on the whole, more theoretically oriented than most American historians of science, and they raised a number of interesting issues. Perhaps the most significant ideas of the conference grew out of the struggle to bring together ideas from political science about policy choices being rational within the perspective of particular actors in particular situations and ideas from history and sociology about the social construction of science and technology. Many of the case studies presented at the conference examined the challenges that arose in big science and technology projects as different professional groups and other interest groups sought to work together to develop a complex system. Often these groups had such different perspectives and goals that they could hardly communicate with each other. A number of participants in the meeting suggested that pressure is building on big technology programs to move toward more decentralized approaches or to a larger number of smaller projects because of these problems. Participants from the United States included John Logsdon, Pamela E. Mack, and Robert W. Seidel.

During two weekends last fall (11-12 October and 9-10 November), the Center for 17th- and 18th-Century Studies of the University of California, Los Angeles, sponsored at the William Andrews Clark Memorial Library a workshop on Civility, Court Society, and Scientific Discourse, arranged by Mario Biagioli. The meeting brought together scholars to discuss the connection between court society and the legitimation of modern science, and between Baroque codes of civility and protocols of interaction, argumentation, and management of disagreements typical of early scientific academies. One of the conference’s aims was to explore the links between the emergence of these protocols and what has been called the “civilizing process”—that complex process of political and bodily disciplining that was part and parcel of the establishment of the modern state—and participants viewed the Scientific Revolution, and the emergence of experimental practices in particular, in the context of the development of court society and the modern state, and the accompanying processes of political and bodily disciplining.

Court society and science at court was the main focus of the conference’s first weekend, which featured papers by Jean-Marie Apostolides (Stanford Univ.), Paula Findlen (Univ. of California, Davis), Pamela Smith (Pomona College), Rivka Feldhay (Univ. of Tel Aviv), and Jay Tribby (Univ. of Florida). Papers presented during the second weekend, however, paid more attention to the English context and to the similarities and differences between the type of scientific styles developed at continental courts and those which emerged in England in the seventeenth century. Speakers included Jacques Revel (École des Hautes Études en Sciences Sociales, Paris), Julian Martin (Univ. of Alberta), Steven Shapin (Univ. of California, San Diego), Peter Dear (Cornell Univ.), and Mario Biagioli (Univ. of California, Los Angeles). A volume of conference proceedings is being edited by Mario Biagioli and Julian Martin.

The III Latin American Congress of History of Science and Technology convened in Mexico City on 12-16 January 1992 to address the general theme, America in the Formation of a New World: 500 Years of Scientific Exchanges. This focus, which encouraged the examination of the process of scientific Westernization and the region’s influence on world scientific development, attracted scholars from four continents and more than 30 countries who presented about 200 papers on many scientific disciplines and historic epochs. Plenary lectures were delivered by Marcos Cueto (Peru) on scientific philanthropy, by Luis Carlos Arboleda (Colombia) on the strategies of scientific modernization in eighteenth-century New Granada, and by Ubiratan D’Ambrosio (Brazil) on historiographic questions important for the study of Latin American science. A commemorative session, with papers by Arboleda, I. Bernard Cohen (Harvard Univ.), Roger Hahn (Univ. of California, Berkeley), Juan L. Peset (Spain), and Juan José Saldaña (Mexico), marked the two-hundredth anniversary of the Real Seminario de Mineria in Mexico City, and other sessions addressed “Newton in Latin America” and the “Latin American Enlightenment.”

Many U.S.-based historians of science participated in the Congress, including (among others) Toby A. Appel (Univ. of Florida), Joan Lisa Bromberg (Univ. of California, Davis), Deborah Fitzgerald (MIT), Stuart W. Leslie (Johns Hopkins Univ.), Anne M. Millbrooke (Hartford), Ronald L. Numbers (Univ. of Wisconsin, Madison), Carroll W. Pursell (Case Western Reserve Univ.), and Nathan Reingold (Smithsonian Institution). Several took part (with Latin American scholars) in a symposium, organized by Bromberg, on “Science and the State: The U.S. Experience.” This large North-American presence led Saldaña, who organized the meeting, to note that the event was the first Congress of historians of science from all of the Americas. As he emphasized, these exchanges and the communication established proved very stimulating and showed the multiple benefits that follow such collaborations.

Several cultural and social activities facilitated personal communication and introduced participants to the riches of past and present Mexican culture. These included a special visit to the impressive Anthropology Museum.
with its plentiful art collections and pre-Columbian manuscripts. Majestic early-classical Palacio de Minería, the headquarters of the first Mexican scientific institution in which the Congress was held, and the grandeur of Mexico City itself. Finally, the meeting's success derived from years of effort on the part of a small group of pioneer Latin American historians of science who, during the past decade, have promoted national societies in about ten countries, published the scholarly journal Quipu every four months during the past eight years, and in other ways encouraged the training of investigators and the development of interpretative models for the peculiarities of Latin American science. The Congress thus helped consolidate what has already been accomplished, and demonstrated the growing professionalism of the Latin American history of science community.

Although an increasing number of historians of science now study contemporary science, conventional training in history does not necessarily develop the skills to write history "as it happens." And while historians have much to contribute to an understanding of such "Big Science" projects as the Human Genome Project, they also face special challenges in their efforts to place ongoing projects in historical context. To address these problems from an interdisciplinary perspective, on 12-13 September 1991 the Beckman Center for the History of Chemistry sponsored (with Mellon Foundation support) Writing History of Science While It Happens, a conference "to explore methodologies" that brought together (among others) a financial journalist, a military historian, a sociologist of science, and a participant in the Human Genome Project who has written a political analysis of that project. If nothing else, the meeting gave historians of science writing on contemporary science the opportunity to see that other scholars share the difficulties they face.

Participants soon realized that "writing history of science while it happens" often blurs of the conventional lines between history, journalism, sociology and anthropology, and while working historians may depend more on published and unpublished documentation and retrospective oral history than on questionnaires and participant observation, even this conclusion is not clear-cut. Clearly, such history is no longer strictly the study of unique and important events; indeed, much contemporary history focuses on understanding the typical in the past. Historians, journalists, sociologists, and anthropologists thus increasingly share both tools and subject of interest, and much of the conference's value derived from this shared perspective. And while participants did not resolve the problems of doing contemporary history of science, they did turn a critical eye on assumptions about history and about science, and in the process clarified what they can and should be doing.

A longer report on the conference will appear in Knowledge. Those participating included Robert Mullan Cook-Deegan (Institute of Medicine), Robert P. Crease (Brookhaven National Laboratory), Stephen Hilgartner (Columbia Univ.), Bruce Lewenstein (Cornell Univ.), M. Susan Lindee (Beckman Center), Robin E. Rider (Univ. of California, Berkeley); military historian Charles Shrader; Robert W. Smith (National Air and Space Museum), financial journalist Robert Teitelman, Spencer R. Weart (American Institute of Physics), and Stacia Zabuksky (Cornell Univ.).

**PUBLICATIONS**

*Psychologie und Geschichte* has begun to accept and publish articles in either German or English, and will continue to publish abstracts of all articles in both languages. For further information contact its editor, Rudolf Miller, Fernuniversität, Arbeitsbereich Psychologie, Postfach 940, 5800 Hagen, Germany.

Kluwer Academic Publishers has announced a new quarterly journal, *Science & Education: Contributions from History, Philosophy and Sociology of Science and Mathematics*, to be edited by Michael R. Matthews (Univ. of Auckland, New Zealand) with an international multi-disciplinary editorial committee. Subscriptions are available at a $20.00 reduced-rate for members of the International History, Philosophy and Science Teaching Group; non-member subscriptions are available at $69.00 (individuals) and $122 (institutions) plus international postage. Potential contributors and subscribers should contact the editor, care of Kluwer Academic Publishers, P. O. Box 17, 3300 AH Dordrecht, the Netherlands.

**Teaching Science and Technology Studies: A Guide for Curricular Planners** (edited by Steve Fuller and Sujatha Raman) derives from "Science as Cultural Practice," a 1991 NEH Summer Institute at Wesleyan University (directed by Fuller and Joseph Rouse) and addresses the wide variety of curricular settings in which STS may appear. Copies are available from Steve Fuller, Center for the Study of Science in Society, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061; (703) 231-7687; e-mail Fuller@vtvm2.cc.vt.edu.

**REQUESTS FOR INFORMATION**

Ralph H. Colp, Jr., seeks to identify the "three instances of falsifications in science" mentioned by Francis Darwin in his *Reminiscences of My Father's Everyday Life*: i.e., "the wicked hoax played by students at Cirencester on a Professor there; I think it was an experiment showing the astonishing results of culturing on wild cereals; the results being due to the students tampering with the seeds or seedlings—the famous case of the mummy wheat was another instance—the recent experiment of Pitra on pumping of water by wood was another example." He asks anyone who can help him to contact him at 301 East 79th Street, Apt. 12A, New York, NY 10021; (212) 737-1554.

Collections of quotations command a wide interest, but despite the importance of science in the formation of the modern world view all available collections serve science and scientists badly. The *Oxford Dictionary of Scientific Quotations* hopes to redress the balance. It is important that the *ODSQ* should be as comprehensive and representative as possible and the Editors are necessarily dependent upon the help of well-wishers.
amongst the scientific and scholarly communities at large, as they could not hope to collect and select all the most valuable quotations that deserve to be printed. We would be deeply indebted to anyone who would send us those quotations they consider should find a place, be they instructive, amusing, characteristic of a certain individual, crucial in formulating scientific principles, or whatever. What is required: Quotations may be from scientists both living and dead: and from other writers upon science. They may also be "attrib." or part of the "folklore" of science. We hope we will ourselves find all the more obviously prominent quotations and would be specifically grateful for slightly more out-of-the-way instances, perhaps quotations not yet famous but which deserve to become so. Further information can be obtained from, and quotations should be sent to the Editors, W.F. Bynum and Roy Porter, ODSQ, Wellcome Institute for the History of Medicine, 183 Euston Road, London, NWI 2BN.

RESEARCH OPPORTUNITIES

The NASA History Office has issued a Research Announcement soliciting proposals for research in the history of the use of radar technology to conduct research about the solar system. The research will focus on the historical record for planetary radar research efforts since World War II, when the technology first became available, through 1991. Proposals should be submitted by 15 May 1992. For further information, request copies of the Research Announcement no. NRA-92-ADA-2-1 from Patricia Shepard, Code ADA-2, NASA Headquarters, Washington, DC 20546; (202) 453-8300.

ISIS Books Received
Quarterly Report to November 15, 1991
(continued from January issue)

The Picture of Health: Images of Medicine and Pharmacy from the William H. Hafend Collection. Commentaries by William H. Hafend. Essays by Patricia Eckert Bayer, Judith Wechsler, and Maurice Rickards. (Published on the occasion of an exhibition at the Philadelphia Museum of Art, September 21-December 1, 1991.) 144 pp., illus., bibl., index. Philadelphia: University of Pennsylvania Press (cloth); Philadelphia Museum of Art (paper), 1991. $39.95 (cloth); $19.95 (paper).


Raiser, Ronald; Benson, Keith R.; Maier, Heiner; Janik, Martin's. Foundations of Ecology: Classic Papers with Commentaries. xiv + 904 pp., illus., figs., tables, bibl., index. Chicago/London: University of Chicago Press, 1991. (Published in Association with The Ecological Society of America.) $68.95 (cloth); $24.95 (paper).

Rencher, Nicholas. G. W. Leibniz's Metaphysics: An Edition for Students. 323 pp., bibl., app., index. Pittsburgh: University of Pittsburgh Press, 1991. $39.95 (cloth); $17.95 (paper).


Ruiz de Azúa y Martínez de Ezquerrocoda, Esteban. D. Pedro Bernardo Villarreal de Berríz (1669-1740): Semblanza de un vasco precursor. With a study on the ideas of B. P. Villarreal de Berriz, by Ignacio González Tascón and a prólogo de José María de Aréez. 249 pp., illus., figs., tables, index. Madrid: Fundación Juanelo Turriano; Editorial Castalia, 1990.

Rumeu de Armas, Antonio. El Real Gabinete de Máquinas del Buen Retiro: Origen, fundación y vicisitudes. Una empresa técnica de Agustín de Betancourt. Con el facsímil de su catálogo inédito, conservado en la biblioteca del Palacio Real, así como un estudio sobre las máquinas e índice por Jacques Payen. 245 pp., illus., table, index. Madrid: Fundación Juanelo Turriano; Editorial Castalia, 1990. (In colaboración con el Patrimonio Nacional.) $30, Pas 3,000.

Russell, Jeffrey Burton. Inventing the Flat Earth: Columbus and Modern Historians. Foreword by David Noble. xiv + 117 pp., illus., bibl., index. New York/Westport, Conn.: Praeger, 1991. $16.95.


Steir, Frederick (Editor). Research and...
ISJS Books Received
Quarterly Report to 15 February 1992

Aaboe, A.; Britton, J. P.; Henderson, J. A.;
Neugebauer, O.; Sachs, A. J. Saros Cycle Dates
and Related Babylonian Astronomical Texts.
(Transactions of the American Philosophical
Society, Vol. 81, Part 6) 75 pp., illus., figs.,
tables, bibli. Philadelphia: American Philosophical
Society, 1991. $12.50 (paper).

Adams, James L. Flying Butresses, Europa,
and O-Rings: The World of an Engineer. 264 pp.,
illus., figs., tables, bibli., index. Cambridge, Mass./

Adams, William Y.; Adams, Ernest W.
Archaeological Typology and Practical Reality: A
Dialectical Approach to Artifact Classification and
Sorting. xiv + 427 pp., frontis., illus., figs.,
tables, app., bibli., index. Cambridge/New York:
Cambridge University Press, 1991. $64.50.

Addinall, Peter. Philosophy and Biblical
Interpretation: A Study in Nineteenth-Century
Conflict. xi + 330 pp., bibli., index. Cambridge/

Agazzi, Evandro (Editor). The Problem of
Reductionism in Science. (Episteme, Vol. 18.)
(Colloquium of the Swiss Society of Logic
and Philosophy of Science, Zurich, May 18-19,
1990.) xiv + 214 pp., figs., bibli., index.
Dordrecht/Boston/London: Kluwer Academic

Alexander of Aphrodisias. On Aristotle's Prior
Analytics 1.1-7. Translated by Jonathan Barnes,
Susanne Bobzien, Kevin Flannery, and Katerina
Ierodiakonou. (Ancient Commentators on
Aristotle.) viii + 252 pp., app., indexes.
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The past two issues of the HSS Newsletter were mailed to U.S. addresses via bulk rate; some members did not receive their copies until three weeks had passed. Overseas members pay $5.00 annually (in addition to regular dues) to receive Newsletter issues via airmail. This issue is being mailed first class to U.S. addresses and all members should receive it within two or three days. Unfortunately, first-class rates are approximately three times bulk rates and (under current conditions) the Society cannot always use first class postage for all recipients. The Society, however, will continue to use first-class postage to send Newsletter issues to those members who (for whatever reason) request such service. If you wish to receive all future Newsletter issues via first-class mail, please let the Executive Secretary know in writing as soon as possible. Send your name and address to him at 35 Dean Street, Worcester, MA 01609; fax (508) 831-5800.

Speakers at the Third Latin American Congress on the History of Science and Technology, Mexico City (l. to r.): Luis Carlos Arboleda (Colombia), Juan José Saldaña (Mexico), Roger Hahn (USA), I. Bernard Cohen (USA), Juan Peset (Spain).