

## NEWSLETTER



VOLUME 20 NUMBER 4  
OCTOBER 1991

# HISTORY OF SCIENCE SOCIETY

## WELCOME TO MADISON

Harold J. Cook  
University of Wisconsin-Madison

The 1991 joint meeting of the History of Science Society and the Society for the History of Technology promises to be an especially stimulating one, as it will run concurrently with an NSF-funded joint Conference on Critical Problems and Research Frontiers in History of Science and History of Technology. The event also marks the fiftieth anniversary of formal teaching in the history of science at the University of Wisconsin-Madison, and memorializes the 1957 Institute of the History of Science held in Madison that resulted in *Critical Problems in the History of Science*, edited by Marshall Clagett. In addition to the packed academic program (arranged on the HSS side by Bert Moyer and Richard Hirsh, and by a HSS Critical Problems Committee chaired by Larry Holmes), the local arrangements committee (of Tom Broman, Hal Cook, and Colleen Dunlavy) has provided fine opportunities for visitors to take in some of the local scenery.

Said to be the only capital city in the world on an isthmus, Madison offers its visitors much, including many fine restaurants, several excellent local beers (which reflect Wisconsin's German heritage), and a lovely surrounding region. To the west are the unglaciated hills and woods of the Wisconsin River Valley, to the south the gently rolling landscape of farms and oak outcroppings, and to the north and west the glaciated region of lakes. The location's geographical significance (and political horse-trading) led the government of the Wisconsin Territory to move its seat to the townsite of Madison City in 1836, where the first building (a log cabin) was erected in 1837. The site had been a major center of effigy mound building activity between about A.D. 300 and 1300, and in 1833 U.S. dragoons forcibly evicted the native Winnebagos, after they ceded the land to the U.S. government in the wake of the 1832 Black Hawk War. All visitors are urged

to walk a couple of blocks from the two conference hotels (the Concourse and the Inn on the Park) to the northern Lake Mendota or the southern Lake Monona, or to visit the new State Historical Society museum between the two hotels. Both hotels are located in the city's center across  
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Downtown Madison from the shores of  
Lake Monona

### HSS EXECUTIVE COMMITTEE

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

The *Newsletter* is overseen by a Steering Committee consisting of the President, the Executive Secretary, and the Editor of the History of Science Society. It is edited by Michael M. Sokal and desktop-published at the Office of the Executive Secretary by Production Manager Gina M. Patterson on an Apple Macintosh-based system using Microsoft Word and Aldus PageMaker.

Send items for the *Newsletter* (preferably on disk, in MS-DOS or Macintosh format) to the Office of the Executive Secretary, History of Science Society, 35 Dean Street, Worcester, MA 01609 USA; telephone (508) 831-5712; telefax (508) 831-5800. The deadline for receipt of news is the first of the month prior to publication, although urgent announcements will be accepted until the fifth of the month. Articles and other long pieces should be submitted at least two weeks before the first.

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from the imposing Capitol building (the third on the site, formally opened after the First World War). Two of the outings will take visitors to the countryside: one to the west along the Wisconsin River to Taliesin, where Frank Lloyd Wright established his studio; another to the northeast to the Horicon Marsh to see one of the major foci for fall bird migration. A third will introduce them to an important local product: beer.

Because of the grand plans of the town's first developers, as early as 1838 the hill at the west end of State Street became known as "College Hill," although the University's formal institution stems only from Wisconsin statehood in 1848. Informal teaching in the history of science, medicine, and pharmacy took root in the late nineteenth century, and at the urging of the faculty, the administration brought in Henry Guerlac to campus as the first professor of the history of science in 1941. With the revival of teaching in the field after the war

(together with the hiring of faculty in the history of medicine and the history of pharmacy), the history of science department grew to one of the largest in the country. The university has also developed excellent collections of books in the history of science, medicine, and pharmacy, and a first-rate library and archive in American history operated by the State Historical Society: visitors will also have a chance to see the campus and some of the university's intellectual treasures.

Attendees should note that the meeting coincides with Halloween, which for several years has been celebrated on State Street with riotous good fun, fondly remembered by some of the visitors to the last HSS meeting here. Over the last couple of years, the student government, city officials, and the police have worked toward bringing an end to the festivities on the street, but partiers and trick-or-treaters may nevertheless wish to bring a mask.

## NEWS OF THE SOCIETY

The Society notes with regret the deaths of Henry Marshall Leicester, at age 85, on 29 April 1991 in Menlo Park, California and Robert R. Newton, at age 72, on 2 June 1991 in Silver Spring, Maryland.

### Madison Meeting Details

#### Ground Transportation

Both conference hotels, the Concourse (One West Dayton Street) and the Inn on the Park (22 South Carroll Street), are on the Capitol Square in the center of Madison, only a five to ten minute drive from the airport. Both hotels provide complementary airport shuttle services, and can be contacted from the airport or in advance of your arrival. Taxi service is also available from the airport, and should cost under \$10 for a single person.

#### Soviet Visitors

As announced in the *Newsletter's* last issue (p. 1), a \$40,000 grant from the Andrew W. Mellon Foundation enabled the Society to invite a group of young Soviet historians of science and technology to attend the Madison meeting, and afterward visit leading graduate programs in our discipline and attend the Cambridge meeting of the Society for the Social Studies of Science in November. Although events of late August have complicated planning, the Society now expects seven young Soviet scholars—Vyacheslav Gerovich, Kirill Rossianov, Irina Sirotkina, Anna Sokoloskaia, and Olga Yelina of Moscow, and Mikhail Konashev and Sergei Trokhachev of Leningrad—to attend the meeting. They will participate in the discussions that will form the basis of the Critical Problems Conference, and will attend other sessions.

### Election Results

David C. Lindberg has been elected Vice-President of the Society for 1992 and 1993 and will serve as President during 1994 and 1995. Toby A. Appel, Keith R. Benson, Thomas B. Settle, Edith Dudley Sylla, and Joella G. Yoder have been elected to three-year terms as members of the HSS Council beginning 1 January 1992. William B. Ashworth, Jr., Mary Jo Nye, and Spencer R. Weart (from Council) and Margaret J. Osler and Karen Reeds (at large) will form the Society's 1992 Nominating Committee. Over 320 members of the Society residing on all inhabited continents cast votes.

### Governance Changes to be Proposed

At the HSS Council's 1991 meeting in Madison, the Executive Committee will propose an amendment to the Society's Statutes designed to involve additional members in the Society's leadership and in other ways promote effective governance.

The recommended amendment would reintroduce the office of second Vice-President, last held in 1976 by Carl B. Boyer. Under the proposal, the Society's membership would annually elect a new second Vice-President from a slate comprising two candidates named by the Nominating Committee plus any candidates nominated by petition. After one-year's service as second Vice-President, the individual elected would succeed to the first Vice-Presidency and (in the following year) to the Presidency. The Society's Executive Committee would then include six members—the President, first Vice-President, second Vice-President, Executive Secretary, Treasurer, and Editor—and for the first time three of them would have been elected directly by the Society's membership. These procedures would reduce presidential terms from two years to one year, and would require nominees to commit themselves to only three years of service on the Executive Committee, rather than to four years (as the current Statutes demand). Some Council members believe this change will encourage potential candidates (who

might otherwise have declined nomination) to run for office.

If three-quarters of all Council members present vote in favor of this amendment, it would be introduced at the Society's annual business meeting, scheduled for Friday, 1 November 1991, at 5:30 p.m., where ratification would require a positive vote from three-quarters of those HSS members present. The Council and the Executive Committee thus urge all members to attend this business meeting, and to make sure to express their opinions on this issue.

### Sarton Medal Presented to Juan Vernet

At last June's Madrid International Congress on Science and the Discovery of the New World—cosponsored by HSS, La Sociedad Española de Historia de las Ciencias y de las Técnicas, and La Sociedad Latinoamericana de Historia de las Ciencias y la Tecnología—Thomas F. Glick presented the History of Science Society's Sarton Medal to **Juan Vernet Ginés**, historian of Islamic and Spanish science and emeritus professor of Arabic at the University of Barcelona. At Barcelona, Vernet established and for many years led a school of scholars that continued the Sartonian tradition of (and approach to) studies in the history of Arabic science into the twentieth



Thomas Glick presents Sarton Medal to Juan Vernet

century's last decade. Past President I. Bernard Cohen's citation accompanying the award will be published in a future issue of *Isis*; a detailed report on the Madrid International Congress appears below under **Meeting Reports**.

### Address Changes and Membership Orders

Since the University of Chicago Press assumed publication responsibilities for *Isis* and *Osiris* on 1 July 1991 (see *HSS Newsletter*, July 1991, p. 8), address changes for both journals should be sent directly to the Press's Journals Division, at P.O. Box 37005, Chicago, IL 60637. In addition, non-members should note that the Society and the Press are now offering 15 percent discounts on new (first-time) memberships, and will accept credit-card payments. For further information call the Press at (312) 753-3357.

### Directory of Women Historians

The HSS Women's Committee is pleased to announce the publication of the 1991 *Directory of Women in the History of Science, Technology, and Medicine*, edited by Lisa Rosner and Alice Stroup. Persons listed in the directory should have already received their free copy; others may order copies from the Office of the Executive Secretary, 35 Dean Street, Worcester, MA 01609, for \$2.50. The committee particularly encourages employers looking for potential candidates to recruit to make use of this resource.

### Travel Grants for Regional Meetings

In 1992 the HSS **Committee on Meetings and Programs** will implement a new program of travel grants for graduate students delivering papers at meetings of regional history of science societies and other organizations. Graduate students pursuing degrees in the history of science, technology, or medicine are invited to apply for limited travel support. Letters of application should include a **description** of the conference, a **200-word abstract** of the paper to be delivered, a **brief justification** for amount sought, and a **one-page vitae** indicating stage of research, supervisor, and academic affiliation. **Applications with matching or supporting institutional funds are strongly encouraged.** Please apply (for 1992 meetings, by

28 February 1992) to the Office of the Executive Secretary, 35 Dean Street, Worcester, MA 01609 USA.

### 1992 Annual Meeting

In 1992, the History of Science Society will hold its annual meeting with the American Historical Association, in Washington, DC, 27–29 December. The deadline for proposals for papers and sessions will be **15 March 1992**, but early inquiries are most welcome. The Program Committee is now especially interested in good suggestions for joint sessions with the AHA, which has an earlier deadline. Contact Karl Hufbauer, Department of History, University of California, Irvine, CA 92717; (714) 756-8277 (home: best chance); (714) 856-6317 (office); fax (714) 725-2865; or Theodore M. Porter, Department of History, University of California, Los Angeles, CA 90024-1473; (714) 854-6419 (home) or (213) 825-4601 (office: messages only).

### Dibner Visiting Historians of Science Program

As announced in the July 1991 issue of the *HSS Newsletter* (pp. 8–9), the Society's Dibner Visiting Historians of Science Program has named a fourth roster of Dibner Historians of Science to serve as visitors through 1992 and 1993. They are Keith R. Benson (Univ. of Washington), Ruth Schwartz Cowan (State Univ. of New York, Stony Brook), Mordechai Feingold (Virginia Polytechnic Inst. and State Univ.), Karl Hufbauer (Univ. of California, Irvine), Sharon Kingsland (Johns Hopkins Univ.), David Kohn (Drew Univ.), Mary Jo Nye (Univ. of Oklahoma), and Alan E. Shapiro (Univ. of Minnesota). This roster is the **first** whose visits will be supported in **large part** by a recent grant from The Dibner Fund, operating under the **direction** of David Dibner. HSS members in the United States and Canada interested in arranging visits to their campuses by one of these historians should request copies of a new DVHSP brochure now available from the Office of the Executive Secretary, or should contact the appropriate regional member



David Dibner

of the North American Committee, as follows:

**DVHSP  
North  
American  
Committee**  
Northeast  
(ME, NH, VT,

MA, RI, CT, NY): Richard Kremer, Department of History, Dartmouth College, Hanover, NH 03755; (603) 646-2228.

Eastern Canada (NF, NS, NB, PE, PQ, ON): Bernard Lightman, Humanities Division, Vanier College, York University, 4700 Keele Street, North York, Ontario, M3J 1P3 Canada; (416) 736-5158.

Mid-Atlantic (NJ, PA, DE, MD, DC, VA, WV): Robert W. Smith (Committee Chair), Department of Space History, National Air and Space Museum, Smithsonian Institution, Washington, DC 20560; (202) 357-2828.

Southeast (NC, SC, GA, FL, AL, MS, TN, KY): Arleen Tuchman, Department of History, Vanderbilt University, Nashville, TN 37235; (615) 322-8151.

North Central (OH, IN, IL, MI, WI, MN, IA): Sara Joan Miles, Department of History, Wheaton College, Wheaton, IL 60187; (708) 752-5864.

South Central (LA, TX, AR, MO, OK, KS, NE): Loyd S. Swenson, Jr., Department of History, University of Houston, Houston, TX 77204; (713) 749-2750.

Southwest and Rockies (CA, NV, UT, CO, WY, AZ, NM, HI): Maurice A. Finocchiaro, Department of Philosophy, University of Nevada, Las Vegas, NV 89154; (702) 739-3461.

Northwest and Western Canada (OR, WA, ID, MT, SD, ND, AK, MB, SK, AB, BC, NT): Margaret J. Osler, Department of History, University of Calgary, Calgary, Alberta, T2N 1N4 Canada; (403) 220-6401.

### Isis Back Issues Available

Although last spring's "Spectacular Back Issue Sale" for *Isis* has long since ended, HSS members may wish to complete their runs by ordering back issues from other suppliers. The University of Chicago Press offers special prices on

sets of the twenty-three remaining *Isis* issues published between 1984 and 1990. Please order through the Journals Division, University of Chicago Press, P.O. Box 37005, Chicago, Illinois 60637; (312) 753-3347. In addition, most *Isis* issues published between 1955 and 1983 are available from Schmidt Periodicals GmbH, Dettendorf, D-8201 Bad Feilnbach 2, Germany; fax (from North America) 011/49/80/64-557. Finally, many stray issues published between the mid 1940s and 1983 may be available from the Society itself for \$5.00 per issue. For further information, please contact the HSS Executive Secretary, 35 Dean Street, Worcester, MA 01609 USA.

The Society also has sets of *Isis* back issues available for donation to libraries and other institutions in eastern Europe, Latin America, Africa, and other areas, and asks recipients of these donations (or others) to cover shipping and handling costs. Although necessarily incomplete, each set contains about 100 issues of *Isis* published between the mid 1940s and 1983. Shipping to most parts of the world (using "M Bag" surface mail, which takes from six to eight weeks) is available for approximately \$100.00. HSS members and others who wish to arrange or facilitate such donations should contact the HSS Executive Secretary.

### Osiris: New Advisory Board Members, New Issues

Under the guidance of the Committee on Publications, the Society has put in place a new, rotating Editorial Board for *Osiris*, with a structure modelled on that of the Committee on Publications itself. The five members of the *Osiris* Editorial Board will each serve for five years, with one member rotating off the Board each year. Members of the Committee concluded that this structure fitted best to the annual rhythm of *Osiris* operations, and would balance the need for "fresh blood" with that for continuity. New members of the Editorial Board will serve for staggered terms, until the full rotation is established. To begin the process, the Committee on Publications has appointed Ruth Schwartz Cowan (State Univ. of New York, Stony Brook) and Mary Jo Nye (Univ. of Oklahoma) to the Board to succeed Gerald L. Geison

(Princeton Univ.) and Margaret W. Rossiter (Cornell Univ.), who have served with distinction since the new series of *Osiris* was launched in 1985. Commenting on the move, *Osiris* editor Arnold Thackray stated that "this represents another important step toward making the new *Osiris* a permanent, central element in the programs of the History of Science Society."

Meanwhile, work is proceeding vigorously on the preparation of fresh volumes of *Osiris* that will capture and make more widely-accessible the themes and research issues of our discipline. The important, lively and rapidly-growing field of research on science since the start of World War II forms the subject of Volume 7, *Science After Forty*. This volume, edited by Arnold Thackray, includes such leading scholars as Paul Forman on "Making the Maser," Loren Graham on "Big Science in the Big Soviet Union," Daniel J. Kevles on "Plants as Intellectual Property" and Margaret W. Rossiter on "Paying Scientists in Government." Joan Warnow-Blewett deals with the important subject of "Documenting Recent Science." Newer voices include Pnina G. Abir-Am on "The Politics of Large and Small Molecules," Glenn Bugos (co-author with Kevles), Ron Doel on "Lunar Science and the Cold War" and Bruce Lewenstein on "Cold Fusion and Hot History." Volume 7 (1991) of *Osiris* will be the first to be published by the University of Chicago Press.

Volume 8 of *Osiris* will be devoted to the theme of *Research Schools*. This volume will be guest-edited by Gerald L. Geison and Frederic L. Holmes. Volume 9 deals with *Instrumentation*. The guest-editors of this latter volume, Thomas L. Hankins and Albert van Helden, have arranged a special session on instrumentation, as part of the Madison meeting of the Society. Suggestions of timely and important themes that might form the subject for Volume 10, and of possible contributors, will be welcomed by editor Arnold Thackray or by any member of the *Osiris* Editorial Board.

## National History Day Prizewinners

For 1991, the National History Day competition focussed on "Rights in History." As in past years, the "Day" itself began in March and April with competitive "history fairs" in local high schools. It then moved to state-wide contests for the best written and visual work in history, and ended with a national conference and contest held at the University of Maryland, College Park, in June. In 1991 the Society awarded two prizes: in the junior historical paper competition, to David Abbot, for his essay "The Scopes Trial: An Examination of Academic Freedom in the 1920s"; and, in the senior group performance competition, to Jeremy McCrater and Daniel McKeena, for their entry, "Of Monkeys and Men: The Tennessee Anti-Evolution Law."

## BSSH Memberships

Members of the History of Science Society who wish to join (or to renew their memberships in) the British Society for the History of Science may again pay their BSSH dues in U.S. dollars through the office of the HSS Executive Secretary. For 1992, BSSH has established the following rates:

Ordinary membership with <i>Journal</i> .....	\$40.00
Ordinary membership, introductory offer for first-time members.....	\$30.00
Ordinary membership, without <i>Journal</i> .....	\$25.00
Associate membership [for students (please document status), the retired (after four years' ordinary membership), and the unemployed]	
with <i>Journal</i> .....	\$20.00
without <i>Journal</i> .....	\$14.00

Please send payment to the University of Chicago Press, P.O. Box 37005, Chicago, IL 60637 USA. Checks must be in U.S. dollars and made payable to the University of Chicago Press.

## Education News

The *Guide for Undergraduates*, written by Michael J. Crowe for the Committee on Education, is now ready for distribution after a few delays in publication. We apologize to those who have had to wait for their copies after our last announce-

ment. The pamphlet-sized guide is meant to introduce students to the history of science and indicate how the subject fits into various career plans. As announced earlier, individuals may request one copy of the guide free of charge. History of science programs in the U.S. will automatically be sent a copy. Orders for multiple copies will be sent at cost, as follows: in the United States, \$1.00 per copy or 75 cents each for 10 or more copies; outside the United States, including overseas, \$1.50 per copy of \$1.00 each for 10 or more copies. This charge is necessary to cover publication and postage costs. Make checks or money orders payable to the History of Science Society. Orders should be sent to Michael M. Sokal, History of Science Society, 35 Dean Street, Worcester, MA 01609. The Committee on Education continues to sponsor workshops on various educational themes at the annual meetings and invites suggestions from HSS members for appropriate topics. The main purpose of these workshops is to discuss ways of designing courses and teaching in different institutional settings. If you have an idea for a workshop that the CoE might sponsor, contact by 15 December 1991, Sharon Kingsland, History of Science Department, Johns Hopkins University, Baltimore, MD 21218.

## News of the Profession

### Historians of Science Awarded NSF Visiting Professorships for Women

Three historians of science—Toby A. Appel, Joan Lisa Bromberg, and Edith Dudley Sylla—have been awarded NSF Visiting Professorships for Women (VPW) grants for the 1991–92 and (in one case) 1992–93 academic years. Appel, who has taught for several years at the University of Maryland, Baltimore County, will spend two years at the University of Florida, participating in the new Ph.D. Program in History of Science and Technology. Her research project is entitled "Agencies of Change: The National Science Foundation and Federal Patronage of Biology." Bromberg, who recently served as a Fulbright Visiting Professor at the Universidad Autonom

Metropolitana, Izapalapa, in Mexico City, will teach during 1991–92 at the University of California, Davis. Her research project is entitled "U.S. 'Little Science': A Comparative Study of the Content and Context of Laser and High-Temperature Superconductivity Research." Sylla, Professor of History and Associate Dean of Humanities and Social Sciences at North Carolina State University, will spend a year at the Rutgers University Center for Historical Analysis and take part in the University's Project for Women in Mathematics, Science, and Engineering at Douglas College. Her research project is entitled "Studies on the Scientific Revolution." In the 1991 competition for these fellowships, eighty individuals in all NSF-supported disciplines submitted proposals, which were initially reviewed by the specific programs with oversight for their fields. These screenings left fifty-three proposals for consideration by the VPW Program, which conducted its own review process, and finally awarded twenty-five VPW grants for 1991–92. Historians of science thus won twelve percent of the NSF Visiting Professorships for Women awarded for the current year, an achievement all the more noteworthy in that two historians of science had been named VPW recipients in 1990. Pnina G. Abir-Am, a Visiting Research Associate at Northeastern University during 1990–91, just assumed an NSF VPW at Johns Hopkins University for 1991–92 and 1992–93, while Lindley Darden of the University of Maryland recently completed a year as an NSF Visiting Professor at Ohio State University.

The NSF Visiting Professorships for Women Program enables women researchers in NSF-supported fields to undertake advanced research at a host institution—a university or four-year college with appropriate facilities—and to pursue lecturing, counselling, and other interactive activities designed to increase the visibility of women scientists in the academic environments of the host institutions, thus encouraging other women to pursue scholarly careers. A VPW proposal thus includes two components: one that addresses an applicant's research plans, and another

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# HSS EMPLOYMENT SURVEY REPORT, 1989-1990

BY PAMELA E. MACK  
Clemson University

This report covers searches made during the 1989-90 academic year. It reflects continuing change in the process of conducting the survey as, for the first time, the survey relied solely on the list of jobs collected by the Executive Secretary for *HSS Newsletter* announcements of job openings, thus reducing considerable duplication of effort. This change, however, may complicate comparisons of the results of this survey with those of previous years. For the second year, the Executive Secretary sent out the questionnaires and the many follow-up letters that are needed, and the women's committee is profoundly grateful that he has taken over that task.

For 1989-90, the number of jobs available seems to have decreased significantly, to a total of forty-seven positions, including twenty-six with history of science, technology, and/or medicine (HSTM) as a primary field (Category I), five with HSTM as a secondary field, and sixteen with HSTM as one in a list of possible fields of expertise. Probably only data on the first category are complete enough to compare with other years: in 1984-85 there were twenty-four positions in category I, in 1985-86 there were forty-three, in 1986-87 there were thirty-one, and in 1988-89 there were thirty-six. Of those positions seventeen were permanent in 1984-85, twenty-six in 1985-86, twenty-three in 1986-87, twenty-seven in 1988-89, and eighteen in 1989-90. This decrease probably reflects tight budgets at universities throughout the United States. It is also striking that five of the positions with HSTM as a primary field were not filled.

Those schools that advertised permanent positions in Category I had applicant pools averaging about fifty persons, up from thirty last year. Women made up twenty-four percent of the total reported applications in that group (similar to last year), and of fifteen persons hired twenty percent were women (down from thirty-

nine percent last year). More striking within Category I is the comparison of permanent jobs, where three women were hired out of fifteen, with temporary jobs, where four women were hired out of six successful candidates. Again considering permanent jobs in Category I only, members of minority groups submitted three percent of the total number of applications reported by those employers that provided data on minorities. This is down from five percent last year, but that may be random variation or the result of better reporting. No members of minority groups were hired in any category.

Data on Ph.D. date is quite incomplete, but hiring of recent Ph.D.s in HSTM seems to continue to be low: three 1991 Ph.D.s, four 1990 Ph.D.s, and one 1989 Ph.D. were reported hired, disproportionately into temporary jobs. Clearly the job market was painfully tight in 1989-90 and there will continue to be a

backlog of people some years past the Ph.D. applying for their first permanent job. One employer noted: "The quality of the pool of candidates was exceedingly high. In fact, too high for a temporary position, which leads one to believe there are insufficient tenure-track positions available." New questions on the job survey questionnaire sought not only to count the number of jobs in each field but to ask about employer expectations. Of the jobs in Category I, both permanent and temporary, seven called for history of science alone, six for history and philosophy of science, four for history of science and technology, two for history of medicine, and one for science, technology, and medicine. That last position also required the ability to teach American history survey (and noted problems finding candidates with the necessary training). Another job required ability to teach western civilization, and one involved teaching humanities. Five jobs specified the importance of archival skills. Among academic jobs in Categories II and III, more importance

Category I: (HSTM) The Required Area of Expertise

	Job Description				Total	Applicant Pool				Successful Candidate
	Fields	Back-ground	Rank	Advt.		M, F, Min	Degrees (PhD, ABD with PhD by start, ABD, Other)	Fields (HSTM, Hist, Not hist)	Gender, Degree & Date, Field	
<b>Permanent</b>										
Boston University	S,P	PhD	open	2,5	109	91, 18, 1	85, 24, 0, 0	108, 0, 1	M, PhD NA, HSTM	
Univ Calif Davis	S,P	NA	open	1,4,5,6	138	119, 19, 5	102, 40, 0, 0	40, 21, 81	M&F, NA, HSTM/PP	
Univ Calif Davis	S,P	NA	open	1,4,5,6	38	25, 13, 7	30, 8, 0, 0	14, 6, 18	M, PhD 1991, NA	
Center for Hist of Elec Engineering	NA	PhD, A	historian	2,6	9	8, 1, 2	7, 0, 2, 0	9, 0, 0	M, PhD 1988, HSTM	
Center for Hist of Elec Engineering	S,T	PhD, A	curator	2,6	5	5, 0, 0	3, 0, 1, 1	4, 0, 1	M, PhD 1983, HSTM	
Univ Chicago	S	S	open	1,4,5	65	44, 21, 0	46, 18, 1, 0	45, 5, 15	F, NA, 1991, HSTM	
College of Physicians of Philadelphia	M	PhD	Director	2,3,4	9	5, 4, 1	7, 0, 0, 2	0, 8, 1	F, PhD 1974, HSTM	
Indiana Univ	S	PhD	Asst	5	31	22, 9, 2	21, 10, 0, 0	21, 0, 0	M, PhD 1991, HSTM	
Univ New Hampshire	S	PhD	Asst./Assoc.	2,4,5	41	36, 5, 1	40, 7, 0, 0	NA, 0, 0	M, NA, HSTM	
Univ New Hampshire	S,P	PhD, Bu	Asst.	1,5	60	35, 23, 2	50, 5, 5, 0	55, 5, 0	M, NA, HSTM	
Northwestern University	S,M	PhD	open	1,2,5	66	41, 25,	66, 0, 0, 0	most in HSTM	Position not filled	
Notre Dame	S,P	PhD, Bu	Asst.	2,4,5	36	28, 8, 0	34, 0, 2, 5	34, 5, 0	M, PhD 1987, HSTM	
University of Oklahoma	S	PhD, A	Curator	1,2,4	16	13, 3, 0	16, 0, 0, 0	11, 2, 3	Position not filled	
University Papua New Guinea	S,T	PhD	open	2,4	11	10, 1, 0	8, 1, 1, 1	7, 0, 4	Position not filled	
Pennsylvania State University	S,P	PhD	Assoc.	1,2	15	12, 3, 1	15, 0, 0, 0	12, 3, 0	M, PhD 1984, HSTM	
Princeton	S	NA	Assoc/Full	1,2,4,5	33	21, 12, 0	33, 0, 0, 0	33, 0, 0	M, PhD 1977, HSTM	
Stonehill College	S	PhD	Asst.	2,4,5	29	21, 8, 2	24, 3, 0, 2	18, 9, 2	M, PhD 1979, HSTM	
University Texas at Arlington	S,T,M	PhD, S	Asst.	1,2,4	36	29, 7, 7	26, 10, 0, 0	30, 6, 0	Position not filled	
<b>Temporary</b>										
Beckman Center Hist Chemistry	NA	PhD, A	Post-PhD	5	0				Position not filled	
Brooklyn Hist Society	NA	PhD, R	open	5	2	2, 1, 0	2, 0, 0, 0	1, 1, 0 F,	PhD 1989, HPST	
Center for Hist of Elec Engineering	S,T	PhD	Internship	2,6	9	8, 1, 2	7, 0, 2, 0	9, 0, 0 M,	PhD 1990, HSTM	
Charles Babbage Institute	NA	A, R	Admin.	1,4,5,6	4	2, 2, 0	3, 0, 1, 0	1, 2, 1 F,	NA, HSTM	
Univ Calif San Francisco	NA	PhD	Post-PhD Fellowship	3,5	5	2, 3, 0	5, 0, 0, 0	4, 1, 0 F,	PhD 1990, HSTM	
Emory University	M	PhD	Post-PhD Fellowship	NA	7	3, 4, 7	5, 2, 0, 0	3, 3, 1 F,	PhD 1990, Am Hist	
Univ Melbourne	S,T	PhD	Asst.	4,5	13	10, 3, 0	10, 0, 0, 3	6, 5, 2	Position not filled	
Univ Minnesota	S	PhD	Asst.	5	23	16, 7, 1	22, 7, 1, 0	18, 5, 0	M, NA, HSTM	

was placed on ability to teach surveys (a consideration for seven out of ten jobs). Only two were looking for world history or nonwestern fields rather than American history or western civilization, but this may be a growing trend in future years. There is little pattern in what other skills employers want, but it is clear that graduate students may want to develop some area of expertise outside of their

primary field. Job hunters should also take seriously non-academic job opportunities; one such employer noted: "Sorry to have so few qualified applicants from academia. Finalists were all currently employed in public history." Seven of the fifteen jobs in Category I were in public history, and while many of those were temporary jobs, some had a term longer

than one year or offered the possibility of renewal.

Other comments from employers varied. Quite a few noted a large number of excellent applicants, while other positions went unfilled for lack of suitable candidates or because those offered the job declined. One provided some words of advice: "In general, and perhaps especially at the junior (untenured) level, it is my impression that candidates spend too much time, energy, and anxiety trying to construct the most complete and superficially impressive c.v., when in fact nothing beats solid training and above all a record of *excellent* (though not necessarily prolific) scholarship."

All in all the survey results are discouraging because of the decline in the number of jobs. The number of women hired matched their proportion in the applicant pool, but they went disproportionately into temporary jobs. No progress was made in the number of minorities in the field. Clearly what is most needed is to keep up a healthy rate of creation of new jobs in history of science, technology, and medicine, a difficult process in a time of declining university budgets.

—with the assistance of Lorri Glover.

**Category II: HSTM was Desired Secondary or Supporting Area of Expertise**

	Job Description				Applicant Pool				Successful Candidate
	Fields	Back-ground	Rank	Advt.	Total	M, F, Min.	Degrees (Ph.D., ABD with Ph.D. by start, ABD, Other)	Fields (HSTM, Hist., Not hist.)	
<b>Permanent</b>									
Ball Stat	S,M	S	open	1,2	67	48, 19, NA	39, NA, 28, 0	NA	F, ABD, HSTM
NASA	NA	PhD, A	GM-15 or GM-14	1,4	50	50, 0, ?	49, 0, 1, 0	1, 49, 0	M, PhD 1975, Am Studies
Old Dominion University	S,T	PhD, S	Aest	1,2	130	85, 42, 3	121, 9, 0, 0	10, 120, 0	Position not filled
Slater Mill Historic Site	NA	PhD	Assoc	3	28	23, 5, 0	21, 3, 4, 0	4, 24, 0 M	PhD
<b>Temporary</b>									
Nat'l Museum of American Hist.	Edu		GS-12	?	13	2, 11, ?	3, 0, 0, 5 MA	1,2,10	Position not filled

**Category III: HSTM was One of Several Possible Areas of Expertise**

	Job Description				Applicant Pool				Successful Candidate
	Fields	Back-ground	Rank	Advt.	Total	M, F, Min.	Degrees (Ph.D., ABD with Ph.D. by start, ABD, Other)	Fields (HSTM, Hist., Not. History)	
<b>Permanent</b>									
Bryant College	S,T	PhD,S,NW	Asst/Assoc	1	63	10, 53, ?	20, 30, 10, 3	15, 45, 5	M, PhD 1976, Other
Calif. State Railroad Museum Historical	NA	NA	Director	4	16	16, 0, ?	2, 0, 10, ?	1, 4, 7 M	M, PhD 1982, Other
Electronics Museum	NA	A, M	Curat Asst	4	10	2, 8, ?	0, 0, 9, 3	NA	BA 1976, US Hist
Livingston Univ.	NA	PhD, S	Asst	2,4	34	30, 4, 0	25, 7, 2, 0	0, 34, 0	F, MA 1989, Museum
Univ. Maryland College Park	NA	PhD	Professor	1,2	90	75, 15, 4	85, NA	2, 88, 0	M, History
MIT	NA	A	Asst	2,4	27	20, 7, 1	1, 0, 0, 27	0, 0, 1	M, PhD 1960, Other
Nat. Air & Space Museum	NA	A	Archivist GM-13, Sr Archivist	2,4	6	4, 2, 1	4, 0, 0, 2	0, 1, 5	F, MLS 1990, Other
New York Academy of Medicine	NA	A	Head, Special Collections	2	5	1, 4, NA	0, 0, 0, 5	NA	M, PhD 1972, History
Univ. N. Carolina Chapel Hill	NA	PhD, S	Asst/Assoc	1,2	92	87, 5, 0	82, 10, 10, 0	3, 89, 0 M	M, PhD 1989, NA
Ohio State	NA	PHD	Asst	2,4,5,6	89	NA	NA	NA	M, Ph D 1987, Anthropology
Railroaders Memorial Museum	NA	A	Exec Dir	1,3,4	46	34, 12, ?	3, 0, 27, 14	16, 10, 18	M, BA 1973, Other
St. John's College	NA	Bu	no ranks	NA	NA	NA	NA	NA	M, PhD 1989, NA
William and Mary	T	PhD	Named Chair	1,2,5,6	34	25, 9, 1	32, 1, 2, 0	0, NA	F, Ph D 1980, Am Studies
Western Penn. Hist. Society	NA	NA	Curator	1,6	60	NA	NA	NA	M, NA, HSTM
<b>Temporary</b>									
Smithsonian Institute	Edu	NA	IS-12	4	11	2, 9, ?	2, 0, 0, 9	1, 0, 10	Search still open
Sonoma State	S,T,P	NW,S,Bu	Asst	none	50	44, 6, ?	34, 13, 13, 3	35, 7, 8 F	PhD 1990, HSTM

**Key to tables**

Universities are alphabetized under the main part of the name  
 NA = Not answered in survey  
 ? = Information uncertain or unknown

**Fields and experience:**

- B History
- M Medicine
- S Science
- T Technology
- M Museums
- Bu Humanities

**Background:**

- PhD = Ph.D. required
- A = Archives experience or training
- M = Museums experience or training
- R = Research skills
- S = Teach American or Western History Survey

NW = Teach Nonwestern or World History

Bu = Teach humanities or Great Books

**Advertising media**

- 1 BSS Newsletter
- 2 Chronicle of Higher Education
- 3 AARM Newsletter
- 4 Other
- 5 BSS Newsletter
- 6 SNOT Newsletter

**News of the Profession**

(continued from page 5)

the outlines the interactive program she intends to follow. As noted, proposals for Visiting Professorships for Women undergo a two-stage review process, and funded proposals are often supported jointly by the specific programs with oversight for the applicants' fields and the VPW program.

For further information about the Visiting Professorships for Women Program, request the relevant NSF brochure (Publications Office, National Science Foundation, Washington DC 20550) or contact Lola E. Rogers, Visiting Professorships for Women Program, National Science Foundation, Washington DC 20550; (202) 357-7734.

## New Procedures at National Archives and Library of Congress

Textual reference branches of the U.S. National Archives in the Washington area now accept appointments from researchers to discuss their projects with archivists. Appointments are not required, but are recommended for first-time researchers and those researchers wanting extensive guidance. The appointments will enable researchers and archivists to save time and effort by preparing research strategies. Researchers should call the pertinent branch to make an appointment; Civil Reference Branch, (202) 501-5395 and 501-5425; Military Reference Branch, (202) 501-5385 and 501-5390; Suitland Reference Branch, (301) 763-7410. The National Archives also now publishes a quarterly *Researcher Bulletin*. For further information about this bulletin, see **Publications** below.

To enhance security of the collections of the U.S. Library of Congress, researchers will be issued Library User Cards, which will be accepted in all reading rooms. Patrons requesting User Cards need photo identification, which must show the researcher's name and address, and which will also be required (with User Cards) to request materials in all public reading rooms. User Cards will facilitate collection use, but additional procedures and conditions for use of certain collections may prevail in specialized reading rooms. Future benefits of User Card may include automated ordering of materials through the online bibliographic databases and facilitating the use of the Library's photocopying equipment. The longer term goal is to implement a centralized collections access system which would facilitate researchers' use of multiple reading rooms.

## RELATED ORGANIZATIONS

The American Association for the History of Medicine will expand the coverage of its occasional list of works in progress in the history of medicine by including work by researchers who are not AAHM members. For further information and copies of the form to be

used in reporting ongoing projects, please contact Ranes C. Chakravorty, Department of Surgery, Veterans Affairs Medical Center, Salem, VA 24153.

## GRADUATE PROGRAMS

The University of Oxford will launch in October 1992 new full-time taught courses leading to the degrees of M.Phil. (in two years) and M.Sc. (in one year) in the History of Science and Technology. For both degrees, examination will be by written papers and a dissertation. The courses will include a core element of instruction on research methods in history and the social sciences and on quantitative methods and computer applications appropriate to historians, and the papers (four for the M.Phil., two for the M.Sc.) will be chosen from an extensive list.

The new courses are designed to take full advantage of the "close integration of the history of science, medicine, and technology group in a large and thriving Faculty of Modern History [that] gives the programmes a distinctive character and, with the additional support of colleagues in philosophy, the social sciences, and the natural sciences, helps to foster a strongly interdisciplinary approach." Related M.Phil. and M.Sc. programmes will also be launched in the Social History of Medicine, in Historical Demography, and in Economic and Social History, and the existing provision for graduate work leading to the research degrees of D.Phil. and M.Litt. will continue to be developed through an active programme of seminars and lectures. For further details of all degrees in the History of Science and Technology, contact Robert Fox, Modern History Faculty, Broad Street, Oxford OX1 3BD, England. For details of the other degrees, contact Charles Feinstein (for Economic and Social History) or Richard Smith (for Social History of Medicine and Historical Demography), All Souls College, Oxford OX1 4AL, England.

The National Science Foundation Program for Studies in Science, Technology, and Society recently awarded major Research and Training Grants (RTGs) to programs at Cornell University and the University of Minnesota. News of these grants led the HSS

Newsletter to solicit the following reports.

Cornell University has received a grant of \$922,000 under the RTG scheme, to provide graduate support for research and training, to enable the University to guarantee support for thirteen new students over the five year duration of the award, to support a postdoctoral research fellow, and to fund other associated training activities; e.g., visitors, seminars, workshops, public round tables, etc. Fundamental to our training is the concept of a cohort of graduate students who will address a thematically coherent set of research issues and topics—in this case, "The Social Implications of Changing Knowledge in the Life Sciences"—from perspectives in several distinct disciplines, including biology, history, sociology, philosophy and political science. The five themes chosen represent research interests of a variety of Cornell faculty attached to the training initiative. They are: biology and the legal order; environmental change; communication and use of scientific knowledge; historical, philosophical and sociological studies of scientific change; and women and biology. By combining student training with ongoing research projects we hope to make best use of Cornell's already well established expertise in science studies.

To foster such interdisciplinary training Cornell has formed a new Department of Science and Technology Studies, chaired by Sheila Jasanoff, by merging the two programs in Science, Technology and Society and History and Philosophy of Science and Technology. In addition, Cornell is expanding its graduate field to encompass a new concentration in social studies of science and technology. For further details please contact the Department of Science and Technology Studies, Cornell University, 632 Clark Hall, Ithaca, New York 14853.—Trevor Pinch, Chairman of RTG Management Committee

Although the University of Minnesota has a large and distinguished faculty in the history and philosophy of science, technology, and medicine, and although its members often collaborate on an

individual basis, they are located in several different teaching and research units. The University's new RTG will allow students and faculty in these units to function as a single, multidisciplinary entity that draws upon the methods, theories, and results of history, philosophy, and the social and behavioral sciences.

The training program is predicated on the necessity of a multidisciplinary approach to the study of the nature and development of science and technology. Graduate students in the program will be enrolled in an existing Ph.D. program, generally in history or philosophy of science and technology, and will also participate in a new graduate minor, Studies of Science and Technology (SST). All SST courses will be team-taught by faculty who will bring a diversity of methods and approaches to the same problem. The core of SST will be a series of research seminars in four areas: models, theories and reality; biomedical science; physical science; and science, technology and society.

SST will also be an ideal minor for students planning teaching careers in other disciplines. The grant will be used principally to support six graduate students and two postdoctoral fellows fully each year. For further information contact Alan E. Shapiro, Program in History of Science and Technology, Tate Laboratory of Physics, 116 Church Street, SE, University of Minnesota, Minneapolis, MN 55455.—Alan E. Shapiro

## SUMMER PROGRAMS

The Greater Philadelphia Philosophy Consortium will sponsor a summer institute on **Realism and Constructionism in the Human Sciences**, to be led by Joseph Margolis (Temple Univ.) at Haverford College, 1–12 June 1992. Further information and application forms should be requested from the Managing Director, Greater Philadelphia Philosophy Consortium, Thomas Library, Bryn Mawr College, Bryn Mawr, PA 19010; (215) 526-7353.

## FUTURE MEETINGS & CALLS FOR PAPERS

The American Association for the **History of Medicine** will hold its 1992 annual meeting in Seattle, WA, 30 April–3 May 1992, and welcomes submission of abstracts (one original and six copies) of proposed papers by **15 October 1991** to one of the co-chairs of the Program Committee, Steven J. Peitzman, Medical College of Pennsylvania, 3300 Henry Avenue, Philadelphia, PA 19129.

The Center for the Study of the Pacific Northwest will hold a conference on **The Atomic West**, 25–26 September 1992. It invites proposals for historically-oriented papers on such topics as the influence of nuclear power and federal sponsorship on the West, the environment, established institutions and communities, and emerging postwar social, political, and economic development; for studies concerned with ways in which regional politics, culture, and conditions in turn affected nuclear policy and technology; and especially encourages presentations considering whether and how historical perspectives bear on issues of current policy. For further information contact as soon as possible John Findlay or Bruce Hevly, Department of History, DP-20, University of Washington, Seattle, WA 98195; (206) 543-5790 or (206) 543-8656.

The Canadian Science and Technology Historical Association will host its biennial national congress at the Park Lane Hotel in Ottawa, Ontario, 18–20 October 1991. The meeting will feature more than sixty papers, and celebrations of the twenty-fifth anniversary of the Science Council of Canada and seventy-fifth anniversary of the National Research Council of Canada, with sessions devoted to various aspects of their histories. For a program and registration bulletin, contact Richard Jarrell, Department of Science Studies, Atkinson College, York University, North York, Ontario M3J 1P3; (416) 736-5213; fax (416) 736-5103.

**Cheiron: The International Society for the History of the Behavioral and Social Sciences** will hold its next annual meeting at the University of Windsor, Ontario, Canada, 18–21 June 1992. The

program committee invites submissions (symposia, papers, and posters) on any aspect of the history of the behavioral and social sciences, or on related historiographical or methodological issues, which must be postmarked by **1 February 1992**. Travel grants will be available to help defray expenses for graduate students presenting papers or posters. For further information contact Nancy K. Innis, Department of Psychology, University of Western Ontario, London, Ontario, Canada N6A 5C2; email [innis@vaxr.sscl.uwo.ca](mailto:innis@vaxr.sscl.uwo.ca)

The **Congreso Internacional Louis Proust** has issued a second circular, which is available (with additional information) from Casa de la Quimica, Jardines del Alcázar, Segovia 40003, Spain; telephone (911) 44 33 37 (in Spain) or (3411) 44 33 37 (outside Spain); fax (911) 44 21 09 (in Spain) or (3411) 44 21 09 (outside Spain).

The University of Notre Dame and its Reilly Center for the History and Philosophy of Science will host and sponsor a conference, **Explanation in Neuroscience, Psychology, and Psychiatry: From Neuroscience to Narrative**, 12–15 March 1992. It is "designed to bring together neuroscientists, psychologists, psychiatrists, and historians and philosophers of science to discuss topics concerning the integration of various levels of explanation in molecular neurobiology, neural network theory, psychology and psychiatry," and will open with papers on the formulation of comparable issues by Helmholtz and Wundt. For further information contact Edward Manier, 314 Decio Faculty Hall, University of Notre Dame, Notre Dame, IN 46556; email [manier@irishmvs.bitnet](mailto:manier@irishmvs.bitnet).

The **Foundation for Intellectual History** will hold a second Postgraduate Seminar at the Herzog August Bibliothek Wolfenbüttel (in Germany), on **Method in Sixteenth-Century Aristotle Commentaries**, 31 August–13 September 1992. Scholars wishing to join the seminar should send informal applications (including curriculum vitae, list of

publications, and a letter of recommendation from an academic supporter) by 1 April 1992 either to the Foundation (28 Gloucester Crescent, London NW1 7DL, England) or to the seminar's director (Eckhard Kessler, Institut für Geistesgeschichte und Philosophie der Renaissance, Universität München, Ludwigstrasse 31, D-8000 München 22, Germany). Applicants are expected to know Latin and have some experience in Aristotelian logic and/or Renaissance and seventeenth century philosophy. "Travel expenses, lodging and living will be taken care of by the Foundation; a small amount of money is available for female scholars with family responsibilities."

The Department of Philosophy at the University of South Carolina is planning for March 1994 an interdisciplinary conference commemorating the centennial of the death of **Heinrich Hertz** and his *Principles of Mechanics*. Possible topics include Hertz and the *Principles* in their nineteenth-century context, their influence on physics in the twentieth century, the philosophical impact of the *Principles*, Hertz on the role of models in science, and conceptual technologies for the representation of nature. For further information contact Alfred Nordmann, Gartenstrasse 26, 7750 Konstanz, Germany; or Davis Baird or RIG Hughes, Department of Philosophy, University of South Carolina, Columbia, SC 29208; (803) 777-4166; fax (803) 777-9178; email n510001@univscvm.bitnet.

An international symposium on **Indian and Other Asiatic Astronomies** will be held in Hyderabad and Jaipur, India, 12–16 December 1991. While the symposium will consist mostly of invited talks, its organizers also seek contributions on related topics, such as Babylonian Astronomy, Vedic Astronomy, Siddhantic Astronomy, Chinese, Tibetan, Japanese and other Asiatic Astronomies, Astronomy in Islamic Culture, Indo-Arab and Turko-Arab interaction in Astronomy, and the Greek-Asiatic interaction. Waiver of registration fees and full local hospitality, including sightseeing and cultural events, may be available. For further information and registration material contact B. G. Sidharth, B. M. Birla Science Centre, Adharsh Nagar,

Hyderabad-500 463, India as soon as possible.

The **Midwest Junto for the History of Science** will next meet at the University of Iowa, 3–5 April 1992. Those wishing to present papers should submit a title and brief abstract to Richard M. Caplan, Program in Medical Humanities, University of Iowa College of Medicine, 240-G EMRB, Iowa City, IA 52242.

The **National Association for Science, Technology and Society** will hold its seventh annual **Technological Literacy Conference** in Alexandria, VA, 6–9 February 1992. The Conference will again include special lectures and presentations organized around such themes as Education and Information; Environment; Health and Biomedicine; Moral, Ethical, and Philosophical Perspectives; and Technology, Industry and Work. The planning committee also invites proposals for one-hour hands-on workshops and activities; twenty-minute papers, tutorials, or case studies; one-hour roundtable or panel discussions; and posters (on display for two hours). For additional information contact NASTS, 133 Willard Building, Pennsylvania State University, University Park, PA 16802.

Scholars interested in participating in a panel on **Non-Western Perspectives on Science and Technology** at the 1992 Swedish meeting of the Society for the Social Studies of Science are urged to contact David Hess and Linda Layne (Department of Science and Technology Studies, Rensselaer Polytechnic Institute, Troy, NY 12180-3590; email userfzrs@rpitsmts.bitnet or usergefzv@rpitsmts.bitnet) as soon as possible; they are organizing submission of a program abstract by the 4S deadline of 31 October 1991.

Scholars, academic programs, and organizations of all kinds interested in discussing the possibility of a celebration/program/rare book exhibit commemorating the five-hundredth anniversary of the birth of **Paracelsus** (Aureolus Theophrastus Bombastus von Hohenheim, 1493–1541) are urged to contact Susan Alon, Head, Historical Collections, Washington University

School of Medicine Library, St. Louis, MO 63110; (314) 362-4234. The Library includes the Schlueter Paracelsus Collection, a formidable assemblage of works by Paracelsus, later Paracelsians and the iatro-chemists, covering the sixteenth, seventeenth and eighteenth centuries. All suggestions and expressions of interest are welcome.

In November, **La Sociedad Latinoamericana de Historia de las Ciencias y la Tecnología** will sponsor in Tikal, Guatemala, a conference on **Panamerican Mathematics, Astronomy and Pre-Columbian Thought**. For additional information contact Leonel Morales Aldana, FISICC, Universidad Francisco Marroquin, Apartado postal 632-A, Guatemala 01910, Guatemala; telephone 502-2-314948; fax 502-2-314826. SLHCT is also now organizing an **International Symposium on Advances in the Transmission of Science and Technology in the Nations that Border the Pacific Ocean**, to take place in the Galapagos. For additional information contact Eduardo Estrella, Presidente, Sociedad Ecuatoriana de Historia de las Ciencias y la Tecnología, Luis Saa 118 y Sodiro, Edificio "Daniel Cadena," Oficina 806, Quito, Ecuador.

An international conference on **Technological Change** will be held at the University of Oxford, 8–11 September 1993. Papers will cover all periods from antiquity to the present, and the emphasis will be on problems of broad interest, in particular on methodology and the interdisciplinary and comparative perspectives that are increasingly on concern to historians of technology. The conference will take place in Rhodes House, and accommodation will be provided in Wadham College. For further details, contact Robert Fox, Modern History Faculty, Broad Street, Oxford OX1 3BD, England.

A symposium, **Tradition, Transmission, and Transformation: Ancient Mathematics in its Islamic and Occidental Context**, on the history of medieval Islamic and Occidental mathematics will be held at the University of Oklahoma, 6–7 March 1992. Participants will include J. L. Berggren (Simon Fraser Univ.), Sonja Brentjes (Karl Marx

Universität, Leipzig), Menso Folkerts (Universität München), Jan P. Hogendijk (Rijksuniversiteit te Utrecht), A. G. Molland (King's College, Univ. of Aberdeen), and Warren Van Egmond (Arizona State Univ.). For additional information contact Steven J. Livesey, Department of the History of Science, University of Oklahoma, 601 Elm, Room 622, Norman, OK 73019; (405) 325-2213; fax (405) 325-5068; E-mail aa9214@uokmvsa.bitnet

The Francis C. Wood Institute for the History of Medicine of the College of Physicians of Philadelphia is planning for September 1992 a conference on **New Approaches to the History of Medicine and European Expansion**. The conference will focus on methodology, and will be structured to encourage exchanges between scholars in medical history, colonial history, historical demography, ethnohistory, cultural studies, military history, and medical sociology. The planners, Caroline C. Hannaway and Warwick Anderson, hope to include sessions on such topics as population studies, epidemiology, and disease exchange; colonial medical practice and professional development; politics of race and medicine in colonial societies; public health and military medicine; interactions of western medicine and indigenous practices; and post-colonial legacies of western medicine, with the aim of exploring different disciplinary and regional approaches to these issues. For further information, contact the organizers at the 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. 271.

## LECTURE SERIES

Seminars sponsored by the Francis C. Wood Institute for the History of Medicine, College of Physicians of Philadelphia, are usually held at noon at the College, 19 South 22nd Street, Philadelphia, PA 19103. [For further information about each lecture and about the Institute and its programs, please call

Carl C. Jacobs at (215) 563-3737, ext. 273.] Seminars scheduled for the fall of 1991 include: 26 September, *James Harvey Young* (Emory Univ.), "A Tale of Pursuing Health Deception"; 3 October, *John Parascandola* (National Library of Medicine), "The Drug Habit: Association of the Word 'Drug' with the Word 'Abuse' in American History"; 10 October, *Jeffrey Brosco* (Univ. of Pennsylvania), "Pride and Prevention: Child Health in Early Twentieth-Century Philadelphia"; 17 October, *Jennifer Gunn* (Univ. of Pennsylvania), "Policing the Populace: Private Philanthropy & Population Research, 1915-1940"; 23 October, *W. Bruce Fye* (Univ. of Wisconsin-Madison), "The Homeopathic Origins of Nitroglycerin Therapy"; 7 November, *Todd Savitt* (East Carolina Univ.) "The Rise and Fall of Black Medical Schools in the United States"; 14 November, *Ellen Dwyer* (Indiana Univ.) "Responses to Epilepsy, 1900-1940"; 20 November, (Jointly sponsored with the Section on Medical History, College of Physicians of Philadelphia) *William H. Helfand* (Fellow, College of Physicians of Philadelphia), "Public Health Education & the Graphic Arts: 150 Years of Medical Posters"; 5 December, *Walter Lear* (Fellow, College of Physicians of Philadelphia) "State Financed Hospital Care for Injured Indigent Miners of Pennsylvania's Anthracite Coal Region from 1883"; 12 December, *Raman Srinivasan* (Univ. of Pennsylvania), "Body Part, Body Politic: The Story of the Jaipur Foot Prosthesis."

The Section of the History and Philosophy of Science of the New York Academy of Sciences will again sponsor a series of lectures at the Academy at 2 East 63rd Street, New York, NY 10021, in Manhattan. Lectures begin at 8:00 pm and are usually preceded by a reception, which visitors may often attend. [For further information about each lecture and about the Section and its programs, please call the Academy at (212) 838-0230 or contact the current Section chair, Arthur Donovan, Department of Humanities, U.S. Merchant Marine Academy, Kings Point, NY 11024.] Lecturers and their topics for 1991-92 include: 25 September, *Michael R. McVaugh* (Univ. of North Carolina), "Medical Testimony in Medieval Trials"; 9 October (Public

Lecture, admission by ticket only), *David Billington* (Princeton Univ.), "Engineering, Art and Higher Education"; 7 November, *David Rowe* (Pace Univ.), "Was Hilbert a Formalist?"; 22 January, *Donald Hoke* (Appleton Museum), "Women and the Typewriter: Hard Data and Fresh Interpretations"; 26 February, *Jeffrey Sturchio* (Merck & Co.) and *Joan Warnow-Blewett* (Center for the History of Physics), panel discussion on "Documenting Big Science"; 25 March (Public Lecture, admission by ticket only), *Charles Rosenberg* (Univ. of Pennsylvania), "Explaining Epidemics"; 22 April, *Norton Wise* (Princeton Univ.), "England and Prussia: The Steam-Powered Garden"; 27 May, *Sarah Schechner Genuth* (Sarah Lawrence College), "Signs Of The Times: Comets, Popular Culture, and World Affairs."

## POSITIONS

This list is compiled with Anne Millbrooke (United Technologies Corp.) and presents *all* position announcements 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 double- and triple-check all details, *especially closing dates*.

The American Precision Museum seeks "a visionary, practically-minded" Executive Director/Director of Development to "direct its transformation to a professional, accredited museum. The successful candidate must be a fund raiser and should (but is not required to) have a strong background in the history of technology, preferably a Ph.D. but at least an M.A." For further information contact Donald Hoke, American Precision Museum, Box 457, Windsor, VT 05089.

As a part of its biomolecular sciences initiative, the **Beckman Center for the History of Chemistry of the National Foundation for History of Chemistry** is planning a long-term documentation project. It thus seeks an **Archivist** to study documentation issues and strategies for the contemporary life sciences, and to play a key role in the formulation and development of a documentation strategy for the Human Genome Project. Duties will include research to identify the organizational, intellectual and social characteristics of the modern life sciences, with special emphasis on records creation and use; outreach work with scientists, administrators and records managers or archivists; and field trips to assess documentation in academic, government and industrial settings. The archivist will also be involved in the formulation of policy recommendations with both local and national foci. Candidates should have advanced degree in history and/or library science or equivalent experience. Desirable qualities include background in science or history of science, and some professional archival experience. The position is funded by the Andrew W. Mellon Foundation for two years, with the possibility of renewal. Send letter enclosing curriculum vitae and references to M. Susan Lindee, Beckman Center for the History of Chemistry, 3401 Walnut Street, Room 460B, Philadelphia, PA 19104-6228.

**The Colby College Program in Science-Technology Studies**—which offers a minor and an independent major, and provides students from all majors with historical, philosophical, and sociological perspectives on the human dimensions of science and technology—seeks a one-year sabbatical replacement for 1992-93 (pending administrative approval). Responsibilities include teaching five courses, including two required courses and several electives, advising students, and convening a colloquium series. Candidates with Ph.D.'s in such fields as history or sociology of science and/or technology are strongly preferred. Submit letter of application and vitae to James R. Fleming, Science-Technology Studies, Colby College, Waterville, ME 04901. Review of applications will begin **1 February 1992**.

The **Department of History, University of Delaware**, seeks a tenured or tenure-track assistant or associate professor historian of technology and industrial America, and especially invites applications from "candidates with an interest in broad social and cultural aspects of the field" and with "secondary research and teaching skills in business or economic history." The successful applicant will teach survey courses in U.S. history, advanced undergraduate courses in the area of specialty, graduate seminars, and will participate in the Hagley Program. Submit letter of application, curriculum vitae, and three letters of recommendation to George Basalla, Department of History, University of Delaware, Newark, DE 19716 by **1 November 1991**.

The **Thomas A. Edison National Historic Site** seeks museum technicians to join a team cataloging the artifact collections of Edison's laboratory and home. Positions are GS-1016-05 (\$18,331) or GS-1016-07 (\$22,705), depending on experience, and are filled on as-needed basis. For required forms, contact Collections Manager at (201) 736-0550. Send completed applications to Superintendent, Edison National Historic Site, Main Street and Lakeside Avenue, West Orange, NJ 07052.

The **Thomas A. Edison Papers** invites applicants for possible pre-doctoral or post-doctoral internships in historical editing beginning in the fall of 1991; later starting dates are negotiable. Background in nineteenth century American history, with an emphasis on the history of business, technology, or science is preferred. Submit resume with names and telephone numbers of three references to Thomas A. Edison Papers, Van Dyck Hall 113, Rutgers University, New Brunswick, NJ 08903.

**Researcher** sought for assistance in preparation of a **biography of Thomas A. Edison**. This project is funded by the National Endowment for the Humanities. An individual with some background in late nineteenth and early twentieth century technology is preferred. Research will be done at the Edison National Historic Site in West Orange, NJ. Compensation for a 6-8 month

period will be about \$14,500 to \$19,000 plus benefits, starting date negotiable (but prefer January 1992 or earlier). Send vitae and letters of recommendation to Paul Israel, Thomas A. Edison Papers, Van Dyck 113, Rutgers University, New Brunswick, NJ 08903; telephone (908) 932-8511; e-mail: pisrael@elbereth.rutgers.edu.

In a major multi-year initiative, the **Department of History, University of Maryland, Baltimore County Campus**, intends to hire in tenure-track positions at least three outstanding scholars who can contribute to its graduate programs in institutional and policy history. Rank, salary, dates of appointment, and fields of specialization are open, although at least one appointment will be in U.S. history and one in modern European history with expertise in British history. Scholars in history of science and technology are encouraged to apply. Send nominations and applications to Peter H. Argersinger, Department of History, University of Maryland, Baltimore County Campus, Baltimore, MD 21218.

The **National Plastics Center and Museum**, scheduled to open early in 1992, seeks its first Director, "knowledgeable in all areas on museum administration, especially public relations, fund raising, grant writing, strategic planning, marketing, and development. Knowledge about plastics, their history, and the contemporary plastics industry is helpful but not essential; a willingness to learn about these subjects is." For further information contact Search Committee, P. O. Box 639, Leominster, MA 01453.

**New York Transit Museum** seeks an archivist to "manage and develop a wide variety of materials relating to the history of transportation in NYC." For further information contact Gail Dawson, New York City Transit Museum, 370 Jay Street, Box T, Brooklyn, NY 11201.

The **Values, Science and Technology Program, Division of Comparative Studies, Ohio State University**, invites applications and nominations for a tenure-eligible assistant professorship to begin (pending final approval) in

September 1992. Research field open; participation in course and program development expected. Teaching duties may include courses on "Science and Technology in Global Perspective," "Medicine and the Humanities," "Art, Science and Religion," and such graduate-level courses as "Politics of Knowledge," "Tradition and Modernity," and "Theory and Practice of Comparative Study." Ph.D. and evidence of excellent scholarship and teaching required. Submit letter of application and current vitae to Chair, Division of Comparative Studies, The Ohio State University, 230 West 17th Avenue, Columbus, OH 43210-1311 by **31 October 1991**.

The Department of History and the Program in History of Science at Princeton University invite applications for an Assistant Professorship in the History of Science. Field of expertise open, but preference for a specialization in Early Modern Science. Application deadline is **15 October 1991**. For additional information contact M. Norton Wise, Department of History, Princeton

University, 129 Dickinson Hall, Princeton, NJ 08544.

**The Sloss Furnaces National Historic Landmark**—a thirty-two-acre blast furnace plant that produced pig iron from 1882 to 1970, now operated by the City of Birmingham as a museum of industrial history, which will become part of the proposed Birmingham Industrial Heritage Corridor—seeks a Director with experience in all phases of museum operations. Ph.D. preferred, MA/MS minimum, considerable museum experience. Applications will be reviewed beginning **15 September** and will be accepted until the position is filled. Send resume to A. J. Millard, Search Committee, Sloss Furnaces National Historic Landmark, P.O. Box 11781, Birmingham, AL 35202.

**Stanford University** announces a tenured or tenure-track position in biotechnology and society, funded in part by the Henry R. Luce Foundation, to begin in September, 1992. The position is open with respect to rank for candidates with

outstanding records in research, publication and teaching. Persons with the following background and interests are encouraged to apply; degrees in the biomedical sciences, and/or the history or sociology of recent science; research interests in the economic, social, ethical, and policy implications of current work in molecular biology and biotechnology. Applicants should submit a curriculum vitae and statement of current research interest to Timothy Lenoir, Program in the History of Science, Building 200-31, Stanford University, Stanford, CA 94305-2024 by **1 November 1991**.

### POSITIONS (for the Record)

The Office of the Administrator, History Division, National Aeronautics and Space Administration, sought a historian to "participate in the NASA history publication program." For further information contact Virginia Buettner, Code DP, NASA Headquarters, 400 Maryland Avenue, SW, Washington, DC 20546

## GRANTS & FELLOWSHIPS AVAILABLE

The American Antiquarian Society will award several categories of short- and long-term Visiting Research Fellowships for the 1992-93 academic year, including a joint short-term fellowship with the Newberry Library. Research Associate status (without stipend) will be available to qualified applicants. Applications for all fellowships, including all letters of recommendation, must be received by **15 January 1992**. For further information and application forms contact John B. Hench, Director of Research and Publication, American Antiquarian Society, 185 Salisbury Street, Worcester, MA 01609; (508) 752-5813 or 755-5221.

The American Institute of the History of Pharmacy currently sponsors several grants and fellowships. It awards Grants-in-Aid (totalling \$5,000 annually) to graduate students to encourage historical investigation of

some aspect of pharmacy, and to pay research expenses for projects devoted to the history of pharmacy, history of medicines, or other humanistic study strongly related to pharmacy or using a pharmaco-historical approach. Recipients of its Teaching Improvement Award can receive up to \$15,000 to be used for at least one semester (up to one year) of full-time study aimed at improving skills and resources necessary for instruction in some area of history of pharmacy. The individual designated as Fischelis Scholar for 1992-93 will be awarded up to \$22,000 to support research and "other socio-historical work related to American trends and issues of recent decades that have had an impact on the practice of pharmacy." Information about and guidelines for these three competitions are available from the American Institute of the History of Pharmacy, Pharmacy Building, University of Wisconsin, 425 North Charter Street, Madison, WI 53706; (608) 262-5378. Applications for Grants-in-Aid and

the Teaching Improvement Award must be received by **1 February, 1992**; those for designation as Fischelis Scholar by **1 March 1992**.

The American Philosophical Society invites doctoral candidates writing dissertations on the history of modern physical science to apply (by **15 December 1991**) for the 1992-93 John Clarke Slater Fellowship, which will carry a stipend of \$12,000. For application forms and further information contact the Executive Office, American Philosophical Society, 104 South Fifth Street, Philadelphia, PA 19106.

The American Philosophical Society Library invites applications for 1992-93 Mellon Resident Research Fellowships, intended to encourage scholars who live outside the Philadelphia area to conduct research in the Library's collections. They are open to both U.S. citizens and foreign nationals who hold the Ph.D. or the equivalent, Ph.D.

candidates who have passed their preliminary exams, and independent scholars. The stipend is \$1,800 per month, and the term of the fellowship is a minimum of one month and a maximum of three. Applications must be received by **1 March 1992**, and awards will be announced by 1 May 1992. For further information, contact David J. Rhees, Assistant Librarian for Research and Programs, American Philosophical Society Library, 105 South Fifth Street, Philadelphia, PA 19106-3386; (215) 440-3403.

The **American Research Center in Egypt** offers three- to twelve-month fellowships to doctoral candidates and senior scholars in the social sciences and humanities who wish to pursue research in Egypt between 1 September 1992 and 30 September 1993. Five of the fellowships are reserved for Egyptian graduate students at U.S. institutions working in areas relating to Egyptian development. Submit applications (including letters of recommendation) by **1 November 1991** to, and request copies of application forms from, The American Research Center in Egypt, New York University, 50 Washington Square South, New York, NY 10012; (212) 998-8890.

The **Charles Babbage Institute** awards its **Adelle and Erwin Tomash Graduate Fellowship** to graduate students whose dissertations address some aspect of the history of computers and information processing. The renewable fellowship (with a \$10,000 stipend, and up to \$2,000 for tuition, fees, and research expenses) may be held at any location with appropriate research facilities. Applicants should submit by **15 January 1992** biographical data and a research plan; and containing a statement and justification of the research problem, a discussion of procedure for research and writing, information on availability of research materials, and evidence of faculty support for the project; and should arrange for three letters of reference, certified transcripts of college credits, and GRE scores to be sent directly to the Institute. Submit material and requests for further information to the Charles Babbage Institute, University of Minnesota, 103 Walter Library, 117

Pleasant Street, SE, Minneapolis, MN 55455; (612) 624-5050.

The **Bakken Library and Museum of Electricity in Life** encourages the utilization of its collections of offering grants (up to \$1,000) for short study visits. Applicants should submit brief research proposals and complete curriculum vitae to John E. Senior, The Bakken, 3537 Zenith Avenue, South, Minneapolis, MN 55416; (612) 927-6508.

The **Bibliographical Society of America** offers short-term fellowships to help support scholars undertaking research associated with the study of the history of books and printing. Inquiries about the Fellowship Program should be addressed to the Executive Secretary, Bibliographical Society of America, P.O. Box 397, Grand Central Station, New York, NY 10163

The **Center for History of Physics of the American Institute of Physics** awards grants-in-aid (of up to \$2000 each) to reimburse direct expenses incurred for research in the history of modern physics and allied sciences (such as astronomy, geophysics, and optics) and their social interactions. Preference will be given to those who need part of the funds for travel and subsistence to use the resources of the Center's Niels Bohr Library in New York City, or to microfilm papers or tape-record oral history interviews with a copy deposited in the Library. Applicants should either show a record of publication in history of science, or be working toward a graduate degree in the field, in which case they should include a letter of reference from their thesis adviser. Applications should include a vitae, a letter of no more than two pages describing the research project, and a brief budget showing the expenses for which support is requested, and should be sent 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 **Columbia University Society of Fellows in the Humanities** offers post-



## Mellon Fellowships for Studies of the Life Sciences

The Program in Science, Technology, and Society at the Massachusetts Institute of Technology announces one-year postgraduate Mellon Fellowships in the history and social studies of modern life science.

Appointments will be based on quality of scholarly work (published or unpublished) in the historical, social, or cultural aspects of modern biological sciences, and on a commitment to continuing research in these fields.

Applicants will ordinarily have completed a Ph.D. in the years immediately preceding their prospective terms as Mellon Fellows. The Fellowship Committee may also consider unusually promising applicants whose final year of completing the dissertation coincides with their proposed stay at MIT. Similarly, more senior applicants whose research interests coincide with the themes of projected annual workshops may receive consideration.

Fellows will be expected to contribute to departmental colloquia and Mellon workshops, and will be invited to participate in teaching graduate and undergraduate courses. The annual stipend is \$30,000. Applicants should send letters describing their research interests and work, curriculum vitae, and three letters of support from qualified scholars to:

The Mellon Fellowship Committee  
E51-201D, MIT  
Program in Science, Technology, and Society,  
Cambridge MA 02139  
phone: 617-253-9759 fax: 617-258-8118

Applications are due by **February 1, 1992**.

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

doctoral fellowships in the humanities (with \$32,500 stipends) for the 1992-93 academic year, each with the expectation of renewal for a second year. Fellows newly appointed for 1992-93 must have received the Ph.D. between 1 January 1985 and 1 July 1992, and will teach half-time in the University's undergraduate program in general education. Additional funds are available to support research. Application forms (which must be returned by **15 October 1991**) are available from the Director, Society of Fellows in the Humanities, Columbia University, Box 100 Central Mail Room, New York, NY 10027.

**Dumbarton Oaks** offers residential fellowships for 1992-93 for projects

concerned with aspects of landscape architecture, including the history of botany and horticulture. Brochures describing the program and detailing application procedures are available from Studies in Landscape Architecture, Dumbarton Oaks, 1703 32nd Street NW, Washington, DC 20007; (202) 342-3280. Application deadline is 15 November 1991.

The Division of Undergraduate Science, Engineering, and Mathematics Education (USEME) of the National Science Foundation (NSF), the Division of Education Programs (ED) of the National Endowment for the Humanities (NEH) and the Fund for the Improvement of Post-Secondary Education (FIPSE) of the Department of Education (ED) have established joint procedures to consider proposals for the development of undergraduate courses and curricula that link meaningfully the study of science and the humanities. Proposed projects should have potential for leadership and replication at the national level. Prospective project directors for educational institutions should contact

program officers at any one of the sponsoring agencies at the numbers provided here. Formal proposals must be preceded by a brief description of the plan to a program officer. NSF/USEME, (202) 357-7051; NEH/ED, (202) 786-0380; ED/FIPSE, (202) 708-5750.

The National Library of Medicine reports that it has had to suspend its Visiting Historical Scholar Program (see *HSS Newsletter*, July 1991, p. 28) and that it will issue new guidelines if and when a substitute program is instituted.

Northwestern University announces the availability (in the fall of 1992) of one-year postdoctoral fellowships in history or philosophy of science, with \$22,000 stipends. Fellows must have the Ph.D.s by 1 September 1992 and will teach one undergraduate course a year. Applicants should send complete dossier indicating interest in history or philosophy, and enclosing statement of proposed research to David L. Hull, Department of Philosophy, Northwestern University, Evanston,

IL 60208 by 15 December 1991.

The University of Oklahoma will award junior- and senior-level Rockefeller Foundation Fellowships in the Humanities for research on the history of science. The program for the 1992-93 academic year focuses on the history of the transmission of science from its classical origins and its pre-modern adaptation and transformation. Candidates with doctorates in history, the history of science, or related fields are invited to submit proposals that address the theme in Western Christian, Islamic, Byzantine, or related cultural contexts. Fellows will have residence with the University's History of Science Collections, and will participate in the activities of a multi-disciplinary Medieval and Renaissance faculty colloquium. Applications are due 17 January 1992. For further information contact Steven J. Livesey, Department of the History of Science, University of Oklahoma, 601 Elm, Room 622, Norman, OK 73019; (405) 325-2213; fax (405) 325-5068; E-mail aa9214@uokmvsa.bitnet.



**Smithsonian Institution Libraries/  
Dibner Library  
1992 Resident Scholar Program**

To encourage study of the history of science and technology, the Smithsonian Institution Libraries offers short-term study grants for 1-3 months to do research in the Dibner Library of the History of Science and Technology and other library collections of the Smithsonian. The program is open to historians, librarians, bibliographers, and pre- and postdoctoral students. Stipend: \$1,500/month, to be used for any related purpose, including travel to Washington, D.C. For guidelines and application forms, write to Resident Scholar Program, Smithsonian Institution Libraries, NHB 24, Mail Stop 154, Washington, D.C. 20560. Program support is from The Dibner Fund.

**DEADLINE FOR PROPOSALS: NOVEMBER 1, 1991**

The **Rockefeller Archive Center** invites applications for grants (of up to \$1,500) for travel and research that requires use of the Center's collections. Applications for 1992 grants must be received by **31 December 1991**; grant recipients will be announced in March. For additional information and application forms contact Darwin H. Stapleton, Director,

Rockefeller Archive Center, 15 Dayton Avenue, North Tarrytown, NY 10591-1598.

The **Travel to Collections** program of the **National Endowment for the Humanities** provides grants of \$750 to assist American scholars to meet the costs of long-distance travel to the research collections of libraries, archives,

museums, or other repositories throughout the United States and the world. Awards are made to help defray such research expenses as transportation, lodging, food, and photoduplication and other reproduction costs. The application deadlines are **15 January** and **15 July**. Information and application materials are available from the Division of Fellowships and Seminars, Room 316, National Endowment for the Humanities, 1100 Pennsylvania Avenue, NW, Washington, DC 20506; (202) 786-0463.

## AWARDS, HONORS & APPOINTMENTS

**Finn Aaserud** has been named Director of the Niels Bohr Archive.

**Roger Bilstein** (Univ. of Houston) and **Timothy R. Mahaney** (Auburn Univ.) have been awarded NASA Fellowships in Aerospace History for 1991-92.

**Robert Bud** has been appointed Head of Life and Environmental Sciences at the Science Museum, London, England.

**Mark Clark** (Univ. of Delaware) has been awarded the Tomash Fellowship in the History of Computing for 1991-92 by the Charles Babbage Institute.

**Deborah J. Coon** (Rensselaer Polytechnic Inst.) has been awarded a fellowship for 1991-92 at the Charles Warren Center for Studies in American History at Harvard University.

The Dudley Observatory has presented its Hebert C. Pollock Award for Research in the History of Astronomy and Astrophysics to **Sara Schechner Genuth**, for a study of comets, popular culture, and the rise of modern cosmology.

**Paul Lawrence Farber** has been named chair of the Department of History at Oregon State University.

**Christopher Hamlin** has been promoted to associate professor of history at the Reilly Center, University of Notre Dame.

**Owen Hannaway** (Johns Hopkins Univ.) has been named the recipient of the American Chemical Society's 1991 Dexter Award of \$2,000, which "recognizes outstanding contributions to the history of chemistry."

**Gabrielle Hecht** (Univ. of Pennsylvania) has been awarded the IEEE Fellowships in Electrical History for 1991-92 for a dissertation on the political, economic, social, cultural and technological processes that involved in the development of nuclear energy in France, 1945-69.

**Kenneth L. Ketner** (Texas Tech Univ.) has received a National Endowment for the Humanities interpretive research grant for 1991-94 for his project, "A Life of Charles Sanders Peirce."

**Judith W. Leavitt** has been named Evjue-Bascom Professor of Women's Studies at the University of Wisconsin, Madison.

**Kristie Macrakis** has been appointed Assistant Professor at Michigan State University with a joint appointment in the Lyman Briggs School and the Department of History.

**Marilyn B. Ogilvie** has been appointed Curator of the History of Science Collections, University Libraries, University of Oklahoma.

**Phillip R. Sloan** has been promoted to professor of the Program of Liberal Studies at the Reilly Center, University of Notre Dame.

**Rosemary Stevens** has been named Dean and Thomas S. Gates Professor of the School of Arts and Sciences of the University of Pennsylvania.

**Clifford A. Truesdell, III** (Johns Hopkins Univ.) has been elected a fellow of the American Academy of Arts and Sciences.

The **Verbund für Wissenschaftsgeschichte** in Berlin—which links institutes at the Freie Universität and Technische Universität, the Wissenschaftskolleg zu Berlin, the Wissenschaftszentrum für Sozialforschung, the Museum für Verkehr und Technik, the Archiv der Max-Planck-Gesellschaft, and the Historische Kommission—offers one or two year research fellowships in the history of science and technology endowed by the Volkswagen-Stiftung. The Fellowships are sponsored in collaboration with other groups in history of science and technology, based at centers in France, Great Britain, Israel, and the United States. Fellows meet on a regular basis in Berlin for seminars and discussions with groups based there and also pursue some of their research at the collaborating groups elsewhere. Postdoctoral applicants from all disciplines are eligible; those with a background in areas other than specialist history of science and technology are especially welcome. Research proposals are encouraged in the field of nineteenth- and twentieth-century science and technology in its cultural context. Applications containing a research proposal, curriculum vitae, list of publications, samples of the applicant's work (e.g., an excerpt from an unpublished or published paper), and two letters of recommendation are due **1 December 1991**. For further information contact the Verbund at the Technische Universität Berlin, Sekretariat HAD 29, Zi. HAD 516a, Hardenbergstrasse 4-5, 1000 Berlin 30; telephone 030-314-26854.

**Maurice L. Richardson Fellowships** are available for graduate studies in the History of Medicine at the University of

**Wisconsin-Madison.** Beginning and advanced graduate students in the history of science or in history with major concentration in the history of medicine are also eligible. Funds are limited and awards will be made on the basis of merit and standing; stipends range from \$500 to \$12,000 per academic year. Students are eligible to apply for up to three academic years of support, one of which may be at the dissertation level. The deadline for applications is 15 January 1992. Apply to Department of the History of Medicine, 1420 Medical Sciences Center, 1300 University Avenue, Madison, WI 53706.

**The Francis Clark Wood Institute for the History of Medicine** will offer grants (of up to \$1,000) for 1992 to scholars engaged in projects requiring use of the Historical Collections of the Library of the College of Physicians of Philadelphia. Recipients will be expected to present a seminar at the Wood Institute, and to submit a report on their research. Letters of application (under five pages) outlining the proposed project, length of residence, historical materials to be used, and a budget for travel, lodging, and research expenses should be sent (by 31 January 1992), along with a curriculum vitae and two letters of recommendation, to Carla C. Jacobs, Wood Institute, College of Physicians of Philadelphia, 19 South 22nd Street, Philadelphia, PA 19103;

## RECENT GRANTS & FELLOWSHIPS

Recipients of fellowships and grants recently awarded for 1991–92 by the **American Council of Learned Societies** include the following. *Fellowships*: Anne Fausto-Sterling (Brown Univ.) for “Race, Gender and Science: An Archaeological Dig”; Maurice A. Finocchiaro (Univ. of Nevada, Las Vegas) for “Mosca, Gramsci and Democratic Elitism”; Ian Bisset Mueller (Univ. of Chicago) for “Studies in Philosophy and Mathematics in Later Classical Antiquity”; Randall M. Packard (Tufts Univ.) for “Tropical Development and the Decline and Resurgence of Malaria, 1940–1980”; and Deborah M. Valenze (Barnard College)

for “Habits of Industry: Women and Work in Industrial England, 1750–1850.” *Grants-in-aid for postdoctoral research*: Jane R. Camerini (independent scholar) for “Mapping Nature” and Alice Stroup (Bard College) for “Poverty, Sexuality and Medicine in Seventeenth-Century France.” *Chinese studies fellowships*: Shigehisa Kuriyama (Emory Univ.) for “The Nature and Origins of Strangeness: Conceptions of the Body in Classical Greek and Chinese Medicine.”

**The American Philosophical Society Library** has awarded nineteen one-month Mellon Resident Research Fellowships with \$1,800 stipends for 1991–92, designed to allow scholars from outside the Philadelphia area to conduct research in the Library’s collections. Fellows working on topics in the history of science or related fields include *Marta Ardila* (Boston Univ.) for “Scientists in the Spanish colonies of America—A Comparative Study”; *Mary M. Bartley* (Cornell Univ.) for “Sexual Selection Theory, Female Choice, and the Victorian legacy”; *Susan E. Brown* (Univ. of California, Santa Barbara) for “S. P. Langley, E. C. Pickering, C. A. Young and the Origins of American Astrophysics”; *James R. Fleming* (Colby College) for “Climate Change, Culture, and Cultivation—Transmission and Transformation of Enlightenment Views”; *Kenneth Haltman* (Yale Univ.) for “The Art of Titian Ramsay Peale from the Long Expedition”; *Nikolai L. Kremontsov* (Inst. of the History of Science and Technology, Leningrad) for “U.S. Response to Soviet Scientific Developments, 1945–56”; *Jean Lockhart* (San Rafael, CA) for a biography of D. Carleton Gajdusek; *Madeleine Pinault* (Musée du Louvre, Paris) for a catalogue and critical study of the papers of Duhamel du Monceau and Fougereux de Bondaroy; *Kirill O. Rossianov* (Inst. of the History of Science and Technology, Moscow) for “Eugenics and Political Ideology between the World Wars”; *J. David Smith* (Lynchburg College) for “Charles Davenport and Biological Determinism—A Study of Eugenic Science and Social Policy”; *Pirrtte Swiggers* (Univ. of Louvain, Belgium) for P. S. Du Ponceau—American and European Linguistics in the Early

Nineteenth-Century”; *Andrea Walton* (Columbia Univ.) for *Alma Mater’s Daughters—Women Scholars at Columbia University*; *Elizabeth Guilmette Winchester* (Wellcome Inst. for the History of Medicine) for “Genetic Studies of *Drosophila melanogaster*, 1910–1980s.”

David Gooding (Science Studies Centre, Univ. of Bath) and Tom Addis (Computer Science, Reading Univ.) have been awarded a grant for £140,000 by the Medical Research Council, as part of the United Kingdom’s joint research councils’ Cognitive Science/Human Computer Interface Initiative, for **A Dynamical Representation of Faraday’s Experimental Researches**, a two-year study of the structures and strategies to be found in Michael Faraday’s research notebooks and publications. Based at the Bath Science Studies Centre, the project combines history of science, knowledge engineering and computing. It will introduce into computer-based research on learning and discovery a much needed focus on exploratory and qualitative aspects of innovation in science and technology. The work involves reconstructing a variety of Faraday’s experiments and study of his construction of experimental narratives, then analysing the results by knowledge elicitation methods, so as to produce structures that represent such things as learning processes, the construction of narratives and the development of arguments. One of the key tools is an Interactive Graph Analysis system that automatically generates a program stimulating each structure to be studied. Developed by Jan Loader and Tom Addis to analyze structures as diverse as proteins and electronic mail networks, IGA makes it possible to experiment with computer representations of these structures. At first these structures will interpret courses of action, narratives and arguments, but we hope to extend the analysis to the more complex historical and social processes in which these occur, such as controversies. For further information contact David Gooding, Natural Intelligence Project, Science Studies Centre, University of Bath, Bath BA2 7AY England; fax (0225) 826-381; email hssdcg@uk.ac.bath.gdr.

Recipients of recent **National Endowment for the Humanities** grants in Humanities, Science and Technology include *Peter Barker* (Virginia Polytechnic Inst. & State Univ.) for "Kepler's Unification of Physics and Astronomy" (1992-94); *William Bechtel* (Georgia State Univ.) for "Development of Modern Cell Biology: A Philosophical Analysis" (1991-94); *Ruth Schawrtz Cowan* (State Univ. of New York, Stony Brook) for "History of Prenatal Diagnosis" (1991-92); *Maurice A. Finocchiaro* (Univ. of Nevada, Las Vegas) for "Galileo on the World Systems" (1992-95); *Caroline C. Hannaway* (College of Physicians of Philadelphia) for "History of Scientific Medicine in Paris, 1790-1850: A Reinterpretation" (1991-92); *Paul B. Israel* (Rutgers Univ.), for "Biography of Thomas A. Edison" (1991-94); *Paul R. Josephson* (Sarah Lawrence College) for "The History and Politics of Big Physics in the Postwar USSR" (1991-93); *Robert Mark* (Princeton Univ.) for "Integrated Study of the Hagia Sophia Structure from the Age of Justinian to the Present" (1991-94); *Kathryn M. Olesko* (Georgetown Univ.) for "The Meaning of Precision: The Utility of Exact Experiment in Nineteenth Century Prussia" (1991-94); *Katharine Park* (Wellesley College) for "Wonders and the Order of Nature" (1991-92); and *William H. Schneider* (Indiana Univ., Indianapolis) for "Research and Application of the Genetics of Human Blood Groups, 1900-50" (1991-93).

Institutional recipients of other recent **National Endowment for the Humanities** grants include the *American Council of Learned Societies*, up to \$205,120, for an edition of the correspondence of *Charles Darwin*, *Frederick H. Burkhardt*, project director; *Indiana Univ., Indianapolis*, up to \$162,000, for an edition of the writings of *Charles S. Peirce*, *Christian J. W. Kloesel*, project director; *Princeton Univ. Press*, \$118,000, for an edition of the papers of *Albert Einstein*, *Martin J. Klein* project director; and *Rutgers University*, \$250,000, for an edition of the papers of *Thomas A. Edison*, *Reese V. Jenkins* project director.

For 1991, the **Rockefeller Archive Center** has awarded 28 grants (of up to \$1,500) to individuals conducting

research at the Center. Among those receiving these grants are *Caroline J. Acker* (Univ. of California, San Francisco) for "Addiction and the Laboratory: Scientific Explanations of Opiate Addiction in the 1920s and 1930s"; *Liliane Beaulieu* (Univ. of California, Berkeley) for "The Role of the Rockefeller Foundation in the Creation of *Mathematical Reviews*" *Fred W. Beutler* (Univ. of Chicago) for "In Quest of a Modern Synthesis: The Conference on Science, Philosophy and Religion and the Search for Intellectual Unity, 1940-68"; *Anne-Emanuelle Birn* (Johns Hopkins School of Hygiene and Public Health) for "The Rockefeller Foundation's Public Health Programs in Mexico, 1920-45"; *Susan E. Brown* (Univ. of California, Santa Barbara) for "Personal versus Institutional Concerns in Philanthropy: The Rockefeller Foundation and the Palomar telescope, 1928-48"; *William F. Bynum* (Wellcome Inst. for the History of Medicine) for "The Development of Academic Medicine in Britain, 1850-1950"; *John A. Farley* (Dalhousie Univ.) for "Health and Disease: A History of International Health Agencies"; *Giuliana Gemelli* (Univ. of Bologna) for "An International Politics of Advancement in Learning: *The Encyclopedia of the Social Sciences*"; *Frederic S. Lee* (Staffordshire Polytechnic) for "Grounded Empiricism at Oxford, 1930-39"; *Quisha Ma* (Case Western Reserve University) for "Peking Union Medical College and Modern Medicine in China"; *Hans Mesters* (Univ. of Amsterdam) for "Education and Research in Tropical Medicine, Particularly in Malaria, 1900-48"; *Servando Ortoll* (Univ. of Colima) for "Alfonso Caso, the Rockefeller Foundation, and Mexican Anthropology"; *Robin L. Rosen* (State Univ. of New York, Binghamton) for "Federal Responsibility of Governmental Tyranny: The Reproductive Reform Impulse and the Welfare State, 1917-40"; *A.L. Rosenberger* (National Zoological Park, Smithsonian Institution) for "Notes and Records of Raymond M. Gilmore"; *Raman Srinivasan* (Univ. of Pennsylvania) for "The Rockefeller Foundation and the Shaping of Indian Science"; and *David J. Staley* (Ohio State Univ.) for "In Whose Image? Knowledge, Social Science and Democracy in Occupied Germany, 1943-55."

## PUBLICATIONS

The second edition of the *Guide to Federal Funding for Social Scientists* has recently been published by the American Political Science Association. It includes descriptions of over 250 federally funded programs, indexed by agency and subject matter. Program descriptions outline names of contacts, review processes, application procedures and deadlines, budget information, and examples of funded projects. Essays by agency insiders supplement the program descriptions and guide researchers through the ins and outs of the main funding institutions. For orders (\$30.00 for members of COSSA-affiliated organizations, including HSS; \$50.00 for non-members) or further information, contact Publications/APSA, 1527 New Hampshire Avenue, NW, Washington, DC 20036; (202) 483-2512.

After a hiatus of four years, *The Mendel Newsletter* has been revived by the American Philosophical Society Library; number one of the New Series appeared in June and is available free upon request. The old series of *The Mendel Newsletter* first appeared in 1968 and was edited by the late William Coleman. The newsletter's focus has been, and will continue to be, on archival resources for the history of genetics and related fields, including evolution, embryology, ecology, animal and plant husbandry, cytology, virology, and various subfields of chemistry and physics. Occasional book reviews and other news item are also featured. The New Series is edited by Frederick B. Churchill (History and Philosophy of Science, Indiana Univ., Bloomington, IN 47405) and Garland E. Allen (Biology, Washington Univ., St. Louis, MO 63130-4899). David J. Rhees (American Philosophical Society) is managing editor. The new editorial board comprises Mark B. Adams, John Beatty, Bernardino Fantini, Bentley Glass, Barbara Kimmelman, Victor A. McKusick, Jane Maienschein, Diane B. Paul, Jan Sapp, and Vassiliki Betty Smocovitis. Authors are encouraged to submit articles and news items directly to the co-editors, or to contact a member of the editorial board. For free subscriptions, individuals and institutions should

contact *Mendel Newsletter*, APS Library, 105 South 5th Street, Philadelphia, PA 19106-3386.

Several months ago the U.S. National Archives began publishing a quarterly *Researcher Bulletin* to report on developments relating to the move of records to the new Archives II facility in College Park, Maryland. The bulletin also includes information about the division of record groups between the downtown Washington building and Archives II, transfer of records to regional archives, and names and telephone numbers of contact people for researchers planning trips to Washington. For free copies, contact the Textual Reference Division (NNR), National Archives, Washington, DC 20408.

In January 1992, IOP Publishing and the Science Museum, London, will publish the first issue of *Public Understanding of Science*, "a new journal devoted to

research and scholarship in all aspects of the relationship between science and culture." The journal will be edited by John Durant; for further information contact Jane Gregory, Science Museum Library, South Kensington, London, SW7 5NH, England; telephone (071) 938-8235; fax (071) 938-8213.

A preliminary issue of a *Science and Empire Network Newsletter* has been issued under the editorship of Deepak Kumar (of the National Institute of Science, Technology and Development Studies, New Delhi) and Patrick Pettijean (of the Recherches Epistémologiques et Historiques sur les Sciences Exactes et les Institutions Scientifique unit, Paris). Copies of this issue and subscription information about the ongoing series are available from NISTADS (Hillside Road, New Delhi 110 012, India; fax 011-5714064) or REHSEIS (49 rue Mirabeau, 75016 Paris, France; telephone 91-11571.40.64; fax 91-11 58.32.27).

*Science & Religion News* is published quarterly by the Institute on Religion in the Age of Science, and "aims to include everything in the international movement that is important." Annual subscription are available for \$8.00 in the U.S., \$10.00 in Canada and Mexico, and \$12.00 elsewhere (via airmail) from Kevin Sharpe, *Science & Religion News*, 65 Hoit Road, Concord, NH 03301 USA; (603) 226-3328; fax (603) 224-8607.

In April the Turkish Society for History of Science published the first issue of a biennial *Newsletter* to serve as "a scientific and intellectual forum for Turkish history of science; summaries in English will be included as much as possible." For further information contact Prof. Dr. Ekmeleddin Ihsanoglu, Department of History of Science, University of Istanbul, 34459 Istanbul, Turkey.

## MEETING REPORTS

The International Congress on Science and the Discovery of the New World, cosponsored by the History of Science Society, La Sociedad Española de Historia de las Ciencias y de las Técnicas, and La Sociedad Latinoamericana de Historia de las Ciencias y la Tecnología took place in Madrid, 25-28 June 1991. The sessions were held at the cultural center of a bank, the Caja de Madrid, which provided simultaneous translation of all discussion in English and Spanish, and was mercifully air conditioned, as a heat wave blanketed the city.

Around seventy individuals took part—with roughly equal representation from each society—and participants came from eight Latin American countries (Argentina, Brazil, Chile, Colombia, Ecuador, Mexico, Peru, and Venezuela), from Australia, Canada, France, Great Britain, The Netherlands, and Sweden, and of course from Spain and the United States. HSS was represented by a diverse delegation that included six members of its Columbian Quincentennial Committee; Thomas F. Glick (chair), Roy MacLeod, James McClellan III, Lewis Pyenson, Nathan Reingold, and Nancy

Leys Stepan.

The theme of the meeting was colonial science and medicine—how it is established and how it develops—and its relationship with European and North American science. On the first day, I. Bernard Cohen gave an inaugural address on "The Discovery of New Worlds, or What Columbus 'Saw' in 1492," explaining the difficulty that explorers of Columbus's generation had in separating fact from fantasy, particularly in matters anthropological. In the evening the participants traveled outside Madrid to the Castle of Manzanares (a storybook medieval castle which looked all the more resplendent when illuminated at nightfall), where Juan José Saldaña, Mexican historian and past president of the Latin American Society, spoke briefly on views of science in Latin American history, and all enjoyed a reception tendered by the regional government of Madrid.

The meeting was organized so that there were no concurrent sessions. That meant that all sessions were plenary, which made for very long days. The sessions began at 9:30 and continued until 2; there

was a break for lunch, and sessions resumed at 3:30. The second and third days each ended with a plenary talk, from 8 to 9:15 P.M. On Wednesday, Thomas F. Glick lectured on "Establishing Scientific Disciplines in Latin America: The Case of Brazilian Genetics," which dealt with the efforts of the Rockefeller Foundation to build a distinctive school of genetics around a research program set by Theodosius Dobzhansky. On Thursday José Luis Peset spoke on "Science and Independence in Latin America," an exploration of the connections between scientific practice and the movements for political



Alberto Elena (left) and Juan José Saldaña at the Castle of Manzanares

independence in Mexico and Colombia.

The Friday evening featured closing remarks by representatives of the two guest societies—Thomas F. Glick for HSS, and Luis Carlos Arboleda of Colombia for the Latin American Society—and a banquet at the Hotel Zurbano. At the banquet, Glick presented the History of Science Society's Sarton Medal to Juan Vernet, historian of Islamic and Spanish science and emeritus professor of Arabic at the University of Barcelona.

The organizing committee, headed by HSS and Spanish Society member Alberto Elena, ably seconded by María Luisa Ortega, and the program committee, chaired by Antonio Lafuente with representation from the three participating societies did an admirable job of integrating the members of the three delegations and shepherding them through four tightly-packing working days with virtually no hitches.

North American and western European participation in the meeting was fostered by grants received by the History of Science Society from the Richard Lounsbery Foundation and the American Council of Learned Societies, which supported travel grants awarded to George Basalla, David W. Chambers, I. Bernard Cohen, Owen Gingerich, Thomas F. Glick, Caroline C. Hannaway, Joy Harvey, Daniel R. Headrick, Robert H. Kargon, Philip C. Keenan, Kenneth J. Knoespel, Ann F. LaBerge, Roy MacLeod, James E. McClellan, III, Teresa Meade, Howard Plotkin, Lewis Pyenson, Nathan Reingold, George S. Rousseau, Michael H. Shank, Susan Sheets-Pyenson, Nancy Leys Stepan, Molly Sutphen, Norman J. W. Thrower, Helen Wallis, and John Harley Warner. A major grant from the Rockefeller Foundation also allowed the Society to award HSS Quincentennial Fellowships to the following Latin American participants: Patricia Aceves Pastrana, Hector Alvarez, Luis Carlos Arboleda, Marta Ardila, Diego Annus, Marcos Cueto, Ubiratan d'Ambrosio, Maria Amélia M. Dantes, Eduardo Estrella, Silvia Fernanda de M. Figueiroa, Yajaira Freites, Virginia González Claverán, Celina Létora Mendoza, Diana Obregón, Julyan Peard, Sonia Pinto Villejos, Joao Carlos Vitor Garcia, and Eduardo Zimmerman.

About seventy people attended the workshop, **Shifting Meanings and Representations of Life: What Defines "Cutting Edge" Biology?**, held at the MIT Program in Science, Technology, and Society on 5 April 1991. Sponsored by the Andrew W. Mellon Foundation, this was the first of four annual workshops devoted to comparative perspectives in the history and social studies of modern life sciences, a project that also includes post-doctoral fellowships in these fields.

The workshop explored a central issue in the history of science: Why certain research projects at particular historical moments in the twentieth century have been privileged intellectually and socially; and how, as "the key to the mysteries of nature," they garnered resources, talent, and cultural power. This exploration was motivated by the observation that in the rise and decline of major programs in life science, structural shifts do not map directly onto cognitive domains; fields become marginalized without losing intellectual validity. Conversely, ascending fields do not necessarily direct their cognitive potency toward unsolved critical problems, but rather redefine which problems are central. Such patterns are striking in the history of embryology, molecular biology, and neuroscience.

Organized into five sessions, the invited speakers and commentators addressed this central question from the vantage points of their research specialties. Jane Maienschein (Arizona State Univ.) analyzed the rise of developmental biology into the disciplinary vanguard ca. 1900, followed by a critique from Jan Sapp (Univ. of Melbourne). Evelyn Fox Keller (Univ. of California, Berkeley) traced the trajectory of molecular biology to its current hegemonic status of mastering the "Master Molecule"; Everett Mendelsohn (Harvard Univ.) commented. Jack Pressman (Univ. of California, San Francisco) examined the construction of scientific psychiatry ca. 1930–50, with a discussion by Anne Harrington (Harvard Univ.). And Geoffrey Bowker (Univ. of Keele) probed the emergence of cybernetics and artificial intelligence, followed by a commentary by James Capshew (Indiana Univ.). Donna J. Haraway (Univ. of California, Santa Cruz) con-

cluded the workshop with a cultural critique of biology as a science and culture of information. Taken together, these analyses did explain how different representative strategies and rhetorics of legitimation developed within the changing political economy and the shifting configurations of biological knowledge in the twentieth century.

The knowledge gained from this first meeting will inform the 1992 workshop on intellectual perspectives on the history of genetics and biochemistry, thus creating a bridge to the subsequent workshops on international developments in biotechnology (1993) and on comparative institutional contexts of life science (1994). All Mellon workshops will be organized through the Program in Science, Technology, and Society, and will take place at MIT. For further information contact Lily Kay, MIT Program in Science, Technology, and Society, E51-128, Cambridge, MA 02139.

In June 1991, Hampshire College hosted the conference **Understanding the Natural World: Science Cross-Culturally Considered**. Organized by Kathleen Dugan and supported by the Ford Foundation, the conference brought together scholars from first- and third-world countries to discuss science, technology, and medicine from a comparative perspective. Defining science broadly as ways of observing, describing, explaining, predicting, and controlling events in the natural world, the conference compared non-Western and Western approaches to understanding the natural world. Many participants expressed serious interest in continuing formal and informal discussions on the topic, and two are organizing a panel on non-Western perspectives on science and technology for the 1992 Swedish meeting of the Society for the Social Studies of Science (see **Future Meetings & Calls for Papers**). Those who wish to be kept informed of these discussions should send their addresses (including email addresses if available) and research interests to Kathryn Addelson, Department of Philosophy and Program in the History of Sciences, Smith College, Northampton, MA 01063; email [kaddelson@smith.bitnet](mailto:kaddelson@smith.bitnet).



Ronald J. Overmann (NSF; left background) and Gillian Barker (University of California, San Diego; right foreground) repeat cell lineage studies that bring together aspects of embryology and evolutionary biology at the Dibner-Institute sponsored course on *History of Biology: Modern Evolutionary Thought*.

The Dibner Institute for the History of Science sponsored a course on **History of Biology: Modern Evolutionary Thought** at the Marine Biological Laboratory in Woods Hole, Massachusetts, 4-17 August. Organized by Garland Allen, John Beatty, and Jane Maienschein, the faculty also included Mark Adams, Jonathan Hodge, David Hull, Will Provine, Robert Richards, Betty Smocovitis, Frank Sulloway, with a special guest appearance by Ernst Mayr. Combining lecture, discussion, field trips, labs, shrimp feasts and lobster feasts, the course attracted an impressive range of 35 "students" from around the United States and four other countries. This was the fourth in a series of courses and seminars at the MBL made possible by the Dibner Institute.

## RECENTLY COMPLETED DISSERTATIONS

**Kenneth Wayne Goodman**, "Progress and Truth in Science." University of Miami, 1991.

**Gerald James Cassidy**; "Ferdinand V. Hayden: Federal Entrepreneur of Science." University of Pennsylvania, 1991.

## RESEARCH OPPORTUNITIES

Scholars interested in contributing a chapter to a volume on the history of the rare earth elements, to be published by Kluwer Academic Publishers, should contact Christopher H. Evans, 986 Scaife Hall, University of Pittsburgh School of Medicine, Pittsburgh, PA 15261; (412) 648-1092; fax (412) 648-8412.

The NASA History Division, through the Jet Propulsion Laboratory, Pasadena, CA, plans to award a contract in the Spring of 1992 for a history of scientific research on the Solar System using ground-based radar from the immediate post-World War II period to the present, and anticipates having funding available to support a historian on a two-year contract. A NASA Research Announcement for this project will be issued by 30 September 1991. For further information and copies of the announcement please contact Roger D. Launius, Chief Historian, Code ADA-2, NASA Headquarters, Washington, DC, 20546.

## PRIZE COMPETITIONS

The American Association for the **History of Medicine** annually awards two student prizes for unpublished essays in the history of medicine: the **William Osler Medal** for medical students and the **Richard H. Shryock Medal** for graduate students in the humanities and social sciences. The winners of both awards will be invited to attend the Association's annual meeting, will receive travel expense compensation, and will have their essays considered for publication in the *Bulletin of the History of Medicine*. Essays must be 10,000 words or less, and must be postmarked no later than **1 February 1992**. Potential entrants must request and review submission guidelines before submitting their entries. For information about the Osler Medal contact James R. Wright, Jr., Department of Pathology, Izaak W. Killam Hospital for Children, 5850 University Avenue, Halifax, NS B3J 3G9 Canada. For information about the Shryock Medal contact Mary C. Gillett, 6644 Holland Street, McLean, VA 22101.

The Geneva Society of Physics and Natural History (SPHN) will award its **Marc-Auguste Pictet Prize** (of 12,000 Swiss francs) for 1992 for "a work in the field of the history of chemistry" submitted by **1 February 1992**. For further information contact: Président de la SPHN, Muséum d'histoire naturelle, Case postale 434, CH-1211 Geneve 6, Switzerland.

The **Organization of American Historians** sponsors or co-sponsors twelve awards and prizes recognizing scholarly and professional achievement in the field of American history. For details about individual prizes contact the Committee Coordinator, Organization of American Historians, 112 North Bryan Street, Bloomington, IN 47408-4199.

## ISIS Books Received Quarterly Report to May 1991 (continued)

**Shweder, Richard A.** *Thinking through Cultures: Expeditions in Cultural Psychology*. 404 pp., illus., figs., tables, bibl., index. Cambridge/London: Harvard University Press, 1991. \$34.95 (cloth); \$15.95 (paper).

**Simon, Herbert A.** *Models of My Life*. (The Alfred P. Sloan Foundation series.) xxx + 415 pp., illus., bibl., index. New York: Basic Books, a Division of Harper Collins Publishers, 1991. \$26.95.

**Sinaceur, Hourya.** *Corps et modèles: Essai sur l'histoire de l'algèbre réelle*. Ouvrage rédigé avec le concours du Ministère de la Recherche et de la Technologie (DIST) et publié avec le concours du Centre National des Lettres. (Mathesis series.) 496 pp., figs., tables, app., bibls., indexes. Paris: Librairie Philosophique J. Vrin, 1991. Fr 198 (paper).

**Stemerding, Dirk.** *Plants, Animals and Formulae: Natural History in the Light of Latour's Science in Action and Foucault's The Order of Things*. 202 pp., bibl. Enschede: School of Philosophy and Social Sciences, University of Twente, 1991. Dfl 40 (paper).

**Sturm, Friedwin** (Editor). *150 Jahre Montanuniversität Leoben, 1840-1990*. 824 pp., illus., figs., tables, bibl. Graz: Akademische Druck- u. Verlagsanstalt, 1990.

**Thompson, William B.** (Editor). *Controlling Technology: Contemporary Issues*. 465 pp., figs., tables, bibl. Buffalo: Prometheus Books, 1991. \$21.95 (paper).

**van Emmerik, Everard Peter.** *J. J. van Laar (1860-1938), a Mathematical Chemist*.

228 pp., illus., figs., apps., bibls., index. Delft, The Netherlands: Everard Peter van Emmerik, 1991. (Paper.)

van Helden, Anne C. *The Coldest Spot on Earth: Kamerlingh Onnes and Low Temperature Research, 1882-1923*. (Museum Boerhaave Leiden, Commun. 235.) 32 + v pp., illus., figs. Leiden: Museum Boerhaave, 1989. (Paper.)

Van Cleve, James; Frederick, Robert E. (Editors). *The Philosophy of Right and Left: Incongruent Counterparts and the Nature of Space*. (The University of Western Ontario Series in Philosophy of Science, Vol. 46.) x + 370 pp., figs., bibls., index. Dordrecht/Boston/London: Kluwer Academic Publishers, 1991. \$117, £66, Dfl 190.

Vos, Rein. *Drugs Looking for Diseases: Innovative Drug Research and the Development of the Beta Blockers and the Calcium Antagonists*. (Developments in Cardiovascular Medicine, Vol. 120.) xxx + 374 pp., figs., tables, apps., bibl., index. Dordrecht/Boston/London: Kluwer Academic Publishers, 1991. \$120, £67.50, Dfl 195.

Wardy, Robert. *The Chain of Change: A Study of Aristotle's Physics VII*. (Cambridge Classical Studies series.) x + 345 pp., figs., bibl., indexes. Cambridge/New York/Melbourne: Cambridge University Press, 1990. \$59.50.

Watanabe, Masao. *The Japanese and Western Science*. Translated by Otto Theodor Benfey. Foreword by Edwin O. Reischauer. New epilogue by the author. xiv + 141 pp., illus., figs., bibl., index. 1976. First English edition. Philadelphia: University of Pennsylvania Press, 1991. \$28.95.

Weisse, Allen B. *Medical Odysseys: The Different and Sometimes Unexpected Pathways to Twentieth-Century Medical Discoveries*. xii + 250 pp., indexes. New Brunswick, NJ: Rutgers University Press, 1991. \$36 (cloth); \$13.95 (paper).

Whiffen, David H. *The Royal Society of Chemistry: The First 150 Years*. With major contributions by Donald H. Hey. viii + 266 pp., illus., figs., tables, app., bibl., indexes. London: The Royal Society of Chemistry, 1991. £14.95.

Willis, Delta. *The Hominid Gang: Behind the Scenes in the Search for Human Origins*. Introduction by Stephen Jay Gould. xiv + 352 pp., illus., figs., table, bibl., index. Viking Penguin. 1989. First Penguin Books edition. New York: Penguin Books, 1991. \$10.95, Can\$14.95 (paper).

Wiltshire, John. *Samuel Johnson in the Medical World: The Doctor and the Patient*. x + 293 pp., frontisp., bibl., index. Cambridge/New York/Melbourne: Cambridge University Press, 1991. \$39.50.

Yeomans, Donald K. *Comets: A Chronological History of Observation, Science,*

*Myth, and Folklore*. x + 485 pp., illus., figs., tables, app., bibl., index. New York/Chichester/Brisbane: Wiley Science Editions, John Wiley & Sons, Inc., 1991. \$35.

Zysk, Kenneth G. *Asceticism and Healing in Ancient India: Medicine in the Buddhist Monastery*. 200 pp., apps., bibl., indexes. New York/Oxford: Oxford University Press, 1991. \$35

## ISIS Books Received. Quarterly Report to August, 1991

Abbott, David (Editor). *The Biographical Dictionary of Scientists: Mathematicians*. viii + 175 pp., figs., index. New York: Peter Bedrick Books, 1986. (Distributed in the USA by Harper & Row and in Canada by Book Center, Montreal.) \$21.

Abbrì, F.; Crispini, F. (Editors). *Atti del III Convegno Nazionale di storia e fondamenti della chimica*. (Università della Calabria-Dipartimento di Filosofia, Dipartimento de Chimica-Gruppo Nazionale de Fondamenti e Storia della Chimica.) 402 pp., figs., tables, apps. Cosenza: Edizioni Brenner, 1991. L 35,000 (paper).

Achinstein, Peter. *Particles and Waves: Historical Essays in the Philosophy of Science*. 337 pp., illus., figs., index. New York/Oxford: Oxford University Press, 1991. \$49.95 (cloth); \$24.95 (paper).

Adams, David P. "The Greatest Good to the Greatest Number": *Penicillin Rationing on the American Home Front, 1940-1945*. (American University Studies. Series IX, History, Vol. 93.) 227 pp., table, bibl., index. New York/Bern/Frankfurt am Main/Paris: Peter Lang, 1991. \$38.95.

Ahlbäck, Tore; Bergman, Jan (Editors). *The Saami Shaman Drum*. (Based on papers read at the Symposium on the Saami Shaman Drum held at Åbo, Finland, on the 19th-20th of August 1988.) (Scripta Instituti Donneriani Aboensis, No. 14.) 182 pp., illus., figs., tables, bibl. Åbo, Finland: The Donner Institute for Research in Religious and Cultural History, 1991. (Distributed by Almqvist & Wiksell International, Stockholm, Sweden.) (Paper.)

Alexander, Edward. *A Crime of Vengeance: An Armenian Struggle for Justice*. 218 pp., figs., index. New York: The Free Press, a Division of Macmillan, Inc.; Toronto: Collier Macmillan Canada; New York/Oxford/Singapore; Maxwell Macmillan International, 1991. \$22.50.

Arney, William Ray. *Experts in the Age of Systems*. Foreword by Ivan Illich. xii + 242 pp., index. Albuquerque: University of

New Mexico Press, 1991. \$22.95.

Baeumker, Clemens. *Witelo: Ein Philosoph und Naturforscher des XIII. Jahrhunderts*. (Beiträge zur Geschichte der Philosophie und Theologie des Mittelalters, Band 3, Heft 2.) xxxii + 686 pp., bibls., indexes. 1908. 2. Auflage unveränderter fotomechanischer Nachdruck der 1. Auflage mit einer neuen Einleitung von Ludwig Hödl. Münster: Aschendorff, 1991. DM 98 (paper).

Bazerman, Charles; Paradis, James (Editors). *Textual Dynamics of the Professions: Historical and Contemporary Studies of Writing in Professional Communities*. (Rhetoric of the Human Sciences series.) xii + 390 pp., figs., tables, bibls., index. Madison: The University of Wisconsin Press, 1991. \$42.50 (cloth); \$15.75 (paper).

Bender, Thomas (Editor). *The University and the City: From Medieval Origins to the Present*. (Essays presented at a conference on the occasion of the centennial of the Graduate School of Arts and Sciences at New York University in 1986-1987.) x + 316 pp., index. 1988. Paperback edition. New York/Oxford: Oxford University Press, 1991. \$13.95 (paper).

Benson, Keith R.; Maieschein, Jane; Rainger, Ronald (Editors). *The Expansion of American Biology*. xiv + 357 pp., fig., table, bibl., index. New Brunswick, N.J./London: Rutgers University Press, 1991. \$42(cloth); \$17 (paper).

Bernal, Martin. *Black Athena: The Afroasiatic Roots of Classical Civilization*. Vol. 2: *The Archaeological and Documentary Evidence*. xxxvi + 736 pp., figs., tables, bibl., index. New Brunswick, N.J.: Rutgers University Press, 1991. \$60 (cloth); \$16.95 (paper).

Beukers, H.; Luyendijk-Elshout, A.M.; van Opstall, M.E.; Vos, F. (Editors). *Red-Hair Medicine: Dutch-Japanese Medical Relations*. (Nieuwe Nederlandse Bijdragen tot de Geschiedenis der Geneeskunde en der Natuurwetenschappen, No. 36.) 114 pp., illus., bibl. Amsterdam/Atlanta, Ga.: Rodopi, 1991. \$20, Dfl 40 (paper).

Bir, Atilla. *The Book "Kitab al-Hiyal" of Bana Masa bin Shakir: Interpreted in Sense of Modern System and Control Engineering*. Prefaced and edited by Ekmeleddin Ihsanoglu. (Studies and Sources on the History of Science Series, Vol. 4.) 227 pp., figs., tables, bibl. Istanbul: Research Centre for Islamic History, Art and Culture, 1990. (Paper.)

Blake, Ralph M.; Ducasse, Curt J.; Madden, Edward H. *Theories of Scientific Method: The Renaissance through the*

*Nineteenth Century*. Edited by **Edward H. Madden**. (Classics in the History and Philosophy of Science, Vol. 2.) viii + 346 pp., index. 1960. Reprint. New York/Philadelphia/London: Gordon and Breach, 1989. \$32 (paper). (\$19 or £10 if ordered directly from publisher.)

**Bodson, Lilliane** (Editor). *Contributions a l'histoire des connaissances zoologiques. Avec la collaboration de Roland Libois*. (Journée d'étude Université de Liège, 17 mars 1990.) (Colloques d'histoire des connaissances zoologiques, Vol. 2.) iv + 122 pp., illus., figs., tables, bibls., index. Liège: Université de Liège, 1991. (Paper.)

**Bohr, Niels**. *Physique atomique et connaissance humaine*. Traduction de l'anglais par **Edmond Bauer et Roland Omnès**, revue par **Catherine Chevalley**. Édition établie par **Catherine Chevalley**. (Collection folio/essais, 157.) 641 pp., figs., tables, apps., bibl., index. 1961. [Paris]: Gallimard, 1991. (Paper.)

**Bolzano, Bernard**. *Las paradojas del Infinito*. (Colección MATHEMA.) Introducción de **Jan Sebestik**. Traducción directa del alemán de **Luis Felipe Segura**. 161 pp., figs. México, D.F.: Facultad de Ciencias, UNAM, Ciudad Universitaria, 1991. (Paper.)

**Bonner, Thomas Neville**. *Medicine in Chicago, 1850-1950: A Chapter in the Social and Scientific Development of a City*. With a foreword by **Robert C. Hamilton, M.D.** xvi + 335 pp., illus., bibl., index. 1957. Second edition. Urbana/Chicago: University of Illinois Press, 1991. \$42.50.

**Boyle, Robert**. *The Early Essays and Ethics of Robert Boyle*. Edited and annotated with an introduction by **John T. Harwood**. xxii + 330 pp., frontisp., tables, index. Carbondale/Edwardsville: Southern Illinois University Press, 1991. \$39.95.

**Bréal, Michel**. *The Beginnings of Semantics: Essays, Lectures and Reviews*. Edited and translated by **George Wolf**. 332 pp., bibl., indexes. Gerald Duckworth & Co. Ltd., London. Stanford, CA: Stanford University Press, 1991. \$39.50.

**Brisson, Luc; Meyerstein, F. Walter**. *Inventer l'univers: Le problème de la connaissance et les modes cosmologiques*. (L'âne d'or collection, Vol 1.) 209 pp., figs., tables, indexes. Paris: Les Belles Lettres, 1991. Fr 130 (paper).

**Bromberg, Joan Lisa**. *The Laser in America, 1950-1970*. xvi + 310 pp., illus., figs., table, bibl., index. Cambridge/London: The MIT Press, 1991. \$30.

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I. Bernard Cohen (left) addresses the inaugural session of the Madrid Congress on Science and Discovery as Javier Ordóñez Rodríguez (Vice-Rector of the Universidad Autónoma de Madrid) listens to simultaneous translation. See page 19.

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