1984
PRESIDENTIAL ADDRESS

BY GERALD HOLTON

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29 DECEMBER 1985

It is surely appropriate, and should routinely be the case, that a retiring president of a professional society give some accounting of his stewardship. Which of the expectations raised four years earlier, when he ran for office, have been reasonably fulfilled? Which of the promises were kept, and which proved to be too difficult for the time being, despite best efforts? Where does the Society now stand, viewed as an organization whose main purpose is to support the work and careers of its members? And what must still be done in this period of growth, by each of us pitching in on some task?

To discuss these issues is to point out the opportunities for your personal and continued involvement in the affairs of our Society. Operationally, the term "Society" has no meaning except in the activities of its individual members. And I preface this call to work with the reminder that there has hardly ever been a better time for our field to benefit from an investment of your time and energy. A fair wind is in our sails. More members belong than ever, and more good work is being done at more centers in academe and outside. In addition, the world at large seems to have noticed our existence. Thus, the NEH Report on the state of the humanities, released 25 November 1984, proposed that "all students should study the history of science and technology." In the Congress, the "Report of the Task Force on Science Policy to the Committee on Science and Technology" (December 1984) proclaims—albeit within narrow limits—the use of history to inform the demands of the present:

"The point of departure for the proposed Science Policy Study should, we believe, be a thoughtful review of the developments that have brought American sci-
NEWS FROM WASHINGTON

FEDERAL FUNDING: TIME FOR ACTION

BY STEPHEN G. BRUSH, Washington Representative of HSS

Federal funding for the history and philosophy of science, technology, and medicine could increase substantially this year, but there is also a strong possibility that related programs in ethics, values, and the humanities may be cut back or eliminated. The outcome will depend on what Congress does in the next few weeks, and what National Science Foundation (NSF) and National Endowment for the Humanities (NEH) administrators do during the next year as they revise priorities and guidelines in response to budget changes.

In order to provide rapid and effective input into this process, I am compiling a list of historians of science and others who are willing to write letters to congressional committees and to their own representatives in Congress. Below is a list of the committees that consider authorization and appropriations bills for NSF and NEH, with a geographical index appended of members of Congress who belong to these committees, so that you may check representation from your state.

The current administration budget proposes to increase the total funding for social and economic science within NSF by about 19 percent; to increase funding for the History and Philosophy of Science (HPS) in NSF by about 30 percent to about $2.2 million (note that HPS has taken on the responsibility of funding the editing of the Einstein papers at $150,000 per year for several years, which accounts for a significant part of the increase); to eliminate funding for Ethics and Values in Science and Technology (EVIST), previously about $1 million per year; and to reduce total NEH funding by 10 percent. Historians of science now receive support from almost every part of NEH, including the relatively small Humanities, Science and Technology (HST) program, which will be cut from $700,000 to $650,000; education and research programs will be reduced 17 percent but fellowship programs including Summer Seminars will be increased about 6 percent.

In commenting on the budget, the newsletter of the Consortium of Social Science Associations (COSSA) said: "There is . . . a notable increase in History and Philosophy of Science, which is not only a growth stock intellectually but has the distinctive role of helping to keep all the sciences self-critical" (COSSA Washington Update, 15 Feb. 1985). But the elimination of EVIST is ominous, for those who might otherwise applaud the increase in HPS funding, as well as for those who have been supported by that program. In the hearing before the House subcommittee that considers the NSF authorization, NSF Director Erich Bloch stated that EVIST-type work no longer needs its own "sheltered" program; this research can be funded in other NSF programs such as the social and behavioral sciences. Professional societies have taken over the "whistle-blowing" role that was formerly a function of the EVIST community. COSSA concluded that "some proposals that might have been funded by EVIST may be eligible for funding from information science, history and philosophy of science, sociology, computer research, biotechnology, or several others" (COSSA Washington Update, 22 Feb. 1985).

The House Subcommittee on Science, Research, and Technology will be completing its markup of the NSF authorization bill by the end of March. The full Committee on Science and Technology, chaired by Don Fuqua (D-FL), will then act. The Subcommittee on Housing and Urban Development (HUD) and Independent Agencies of the House Appropriations Committee has already started to hold hearings on this bill, and its members are listed below. According to the COSSA Washington Update (8 March 1985), when this subcommittee held hearings on the NSF appropriation, its chairman, Representative Edward Boland, "asked several questions concerning the large increase for social and economic science research, specifically in the economics and history and philosophy of science programs. He appeared satisfied with the justifications made by Dr. David Kingsbury, Director of the Biological, Behavioral and Social Science Directorate at NSF."

If you are willing to write to your own representatives in Congress and to chairpersons of subcommittees about NSF and NEH bills that they are considering, please provide me with the following information: [1] name, address, and telephone number(s) at which you can be reached; [2] name of the congressperson who represents the district in which you live and also [if different] the district in which your institution is located; [3] names of any other members of Congress with whom you have had personal contact or correspondence, or whom you know to have a special interest in history of science (see coupon below).

If you are particularly interested in EVIST, you should write also to Senator Edward Kennedy, Senator John Kerry, Senator Alfred Gore, Jr., Senator Lowell Weicker, and to the Director of NSF, Erich Bloch.

I would also appreciate receiving blind copies of letters that you write to any members of Congress on this subject, along with your views on the problem of federal funding of history of science and the best ways to promote it. Please mail information to S. G. Brush, IPST, University of Maryland, College Park, MD 20742.

Congressional Committees for NSF & NEH Legislation

Code letters in left column are used to identify committee members below.

U.S. House of Representatives, Washington, DC 20515

NSF Authorization
H-SRT Subcommittee on Science, Research & Technology
[Committee on Science & Technology]—Chair: Doug Walgren (D-PA).
Hearings were held on 20 & 21 February.

NSF Appropriation
H-HIA Subcommittee on HUD & Independent Agencies—Chair: Edward P. Boland (D-MA).

NEH Authorization
H-PSE Subcommittee on Postsecondary Education [Committee on Education & Labor]—Chair: William Ford (D-MI).
NEH Appropriation
H-INT Interior Subcommittee—Chair: Sidney Yates (D-IL). Hearings were held for public witnesses 20 March; for agency witnesses 23 April.

U.S. Senate, Washington, DC 20510

NSF Authorization
S-STS Subcommittee on Science, Technology, & Space (Committee on Commerce, Science, & Transportation)—Chair: Slade Gorton (R-WA).

S-LHR Committee on Labor & Human Resources (full committee deals with NSF)—Chair: Orrin Hatch (R-UT).

NSF Appropriation
S-HIA Subcommittee on HUD & Independent Agencies—Chair: Jake Garn (R-UT). Hearings for agency witnesses were held 28 March; for public witnesses 1–2 May.

NEH Authorization
S-EAH Subcommittee on Education, Arts & Humanities (Committee on Labor & Human Resources)—Chair: Robert Stafford (R-VT).

NEH Appropriation
S-INT Subcommittee on Interior—Chair: James A. McClure (R-ID).

Geographical Index to Membership of Congressional Committees
(See above for abbreviations; names of chairpersons are in **boldface**.)

Alabama: Tom Bevill (D) H-INT

Alaska: Dennis DeConcini (D) S-INT;
Barry Goldwater (R) S-STS

Arkansas: Dale Bumpers (D) S-INT

California: George E. Brown, Jr. (D) H-SRT;
Augustus F. Hawkins (D) H-PSE;
Norman Y. Mineta (D) H-SRT;
Jerry Lewis (R) H-HIA;
Mervyn Dymally (D) H-PSE

Colorado: Tim Wirth (D) H-SRT

Connecticut: Lowell P. Weicker, Jr. (R) S-INT, S-HIA, S-LHR, and S-EAH;
Christopher Dodd (D) S-LHR and S-EAH

Florida: Paula Hawkins (R) S-LHR

Hawaii: Spark M. Matsunaga (D) S-LHR and S-EAH

Idaho: **James A. McClure** (R) S-INT

Illinois: **Sidney R. Yates** (D) H-INT;
Charles A. Hayes (D) H-PSE; Terry L. Bruce (D) H-SRT and H-PSE; Paul Simon (D) S-LHR and S-EAH;
Indiana: Dan Quayle (R) S-LHR and S-EAH

Iowa: Thomas Tauke (R) H-PSE; Charles Grassley (R) S-LHR and S-EAH

Kansas: Nancy Landon Kassebaum (R) S-STS

Kentucky: Carl C. Perkins (D) H-PSE;
Louisiana: J. Bennett Johnston (D) S-INT and S-HIA;
Lindy (Mrs. Hale) Boggs (D) H-HIA

Maine: John R. McKernan, Jr. (R) H-PSE;
Massachusetts: **Edward P. Boland** (D) H-HIA, also member of H-INT; Edward M. Kennedy (D) S-LHR and S-EAH;
John F. Kerry (D) S-LHR; Chester Atkins (D) H-PSE

Michigan: **William D. Ford** (D) H-PSE;
Donald W. Riegle, Jr. (D) S-STS; Bob Traxler (D) H-HIA; Paul B. Henry (R) H-PSE and H-SRT

Minnesota: Martin Olav Sabo (D) H-HIA;
Timothy Penny (D) H-PSE

Mississippi: Thad Cochran (R) S-INT;
John C. Stennis (D) S-HIA

Missouri: E. Thomas Coleman (R) H-PSE

New Mexico: Paul Laxalt (R) S-INT and S-HIA

New Hampshire: Warren B. Rudman (R) S-INT

New Jersey: Marge Roukema (R) H-PSE;
Frank Lautenberg (D) H-HIA

New Mexico: Pete V. Domenici (R) S-HIA

New York: Mario Biaggi (D) H-PSE; Major R. Owens (D) H-PSE; Stan Lundine (D) H-SRT; Sherwood L. Boehlert (R)
H-SRT; Bill Green (R) H-HIA; Fred Eckert (D) H-PSE; Alfonse M. D’Amato (R) S-HIA; Stephen Solarz (D) H-PSE

North Carolina: William W. Cobey, Jr. (R) H-HIA; Tim Valentine (D) H-SRT

North Dakota: Mark Andrews (R) S-INT;
Quentin N. Burdick (D) S-INT

Ohio: Ralph Regula (R) H-INT; Howard M. Metzenbaum (D) S-LHR; Louis Stokes (D) H-HIA

Oklahoma: Don Nickles (R) S-LHR

Oregon: Les AuCoin (D) H-INT

Pennsylvania: **Doug Walgren** (D) H-SRT;
John P. Murtha (D) H-INT; Joseph M. McDade (R) H-INT; Joseph M. Gaydos (D) H-PSE; William F. Goodling (R) H-PSE;
Don Ritter (R) H-SRT; Lawrence Coughlin (R) H-HIA

Rhode Island: Claiborne Pell (D) S-LHR and S-EAH

South Carolina: Strom Thurmond (R) S-LHR

South Dakota: James Abdnor (R) S-HIA

Tennessee: Albert J. Gore (D) S-STS; Bill Boner (D) H-HIA

Texas: Tom Loeffler (R) H-INT

Utah: **Orrin G. Hatch** (R) S-LHR, also member of S-EAH; Jake Garn (R) S-HIA

Vermont: **Robert T. Stafford** (R) S-EAH;
also member of S-LHR; Patrick J. Leahy (D) S-INT and S-HIA; James M. Jeffords (R) H-PSE

Virginia: Paul S. Trible, Jr. (R) S-STS

Washington: **Slade Gorton** (R) S-STS;
Norman D. Dicks (D) H-INT

West Virginia: Robert C. Byrd (D) S-INT;
John D. "Jay" Rockefeller IV (D) S-STS

Wisconsin: Steve Gunderson (R) H-PSE;
Thomas E. Petri (R) H-PSE; William Proxmire (D) S-HIA

Wyoming: Malcolm Wallop (R) S-LHR and S-EAH

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YES, I am willing to write to members of Congress about the NSF and NEH bills.

Name _______________________________________________________

Address _____________________________________________________

City ______________________ State ______ Zip ______

Phone(s) ____________________________

My representative is __________________________________________

The representative for my institution's district is_____________________

Other members of Congress with an interest in history of science: ____________________________
DONORS TO AND SUPPORTERS OF THE FUND DRIVE

The campaign to put the History of Science Society on a sound financial and managerial basis is going very well as it ends its second year. Indicative of the growing momentum of the campaign is that nearly three times as many individuals as last year contributed to this year’s success.

Listed below are those who contributed to the History of Science Society’s Fund Drive from 1 February 1984 to 31 January 1985. Earlier donors are listed in the HSS Newsletter, April 1984. Major donors have contributed $2,000 and over. Lifetime Sustaining Members have contributed $1,000 and over. Sustaining Members have contributed $100 and over. Future issues of the Newsletter will carry additions to this proud list of the Society’s supporters.

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**TRAVEL AWARDS TO BERKELEY INTERNATIONAL CONGRESS**

On 19 February the History of Science Society announced thirty-seven awards for travel support to the International Congress in Berkeley this summer (see *HSS Newsletter*, January 1985, p. 2). The Selection Committee met on 16 February to consider sixty-five applications; it consisted of Diana Long Hall (Chair) of the Philadelphia College of Physicians, Thomas Settles of the Polytechnic Institute of New York, and Mary Louise Gleason of the New York Academy of Sciences. Funds to cover these awards have been made available to the History of Science Society through the generosity of the Walter and Elise Haas Fund.

Those receiving awards are Christopher B. Burch, University of Pittsburgh; Alberto Cambrosio, University of Montreal; Stephen J. Cross, Pasadena, California; Virginia P. Dawson, NASA Lewis Research Center; James R. Fleming, Princeton University; Yves Gingras, Harvard University; John Greenberg, Palaisseau, France; Anita Guerrini, American Philosophical Society; William J. Haas, Harvard University; Natasha X. Jacobs, Indiana University; Lily E. Kay, National Museum of American History; Irving Kelter, CUNY Graduate Center; Barbara Kimmel, University of Pennsylvania; Naum S. Kipnis, Bakken Library of Electricity in Life, Shigehisa Kuriyama, Harvard University; Aleksandra C. Laszlo, University of Pennsylvania; Kristie Macrakis, Berlin, West Germany; Marjorie Malley, Bartlesville, Oklahoma; John L. Michel, Minneapolis, Minnesota; Lee Mintz, Harvard University; Mark Neustadt, Johns Hopkins University; William Newman, Harvard University; Michael A. Osborne, Swarthmore, Pennsylvania; F. Jamil Ragep, Harvard University; David J. Rhee, National Museum of American History, Los Angeles, California; David Rowe, Göttingen, West Germany; Ronald C. Sawyer, University of Wisconsin; Margaret Schabas, Ann Arbor, Michigan; Jan Butin Sloan, University of Kansas; Raman Srivivasan, University of Pennsylvania; Mary Terrall, Altadena, California; David K. van Keuren, American Philosophical Society; Craig B. Waff, Plainsboro, New Jersey; Elspeth Whitney, CUNY Graduate Center; Winifred Lovell Wisan, Oneonta, New York; Joella G. Yoder, Renton, Washington. Awards were granted in the amount of $100 for California residents, $150 for other West Coast residents, and $300 for all others.

The Society’s 1985 Nominating Committee has recommended the following slate of candidates. For HSS Council for a three-year term ending 31 December 1988: Lorraine Daston, Clark Elliott, Paul Farber, Judy Goodstein, Robert Kohler, William Montgomery, Alex Roland, John Servos, Nancy Siraisi, and Michael Sokol. For the 1986 Nominating Committee (Council): Robert Frank, John Greene, Frederic L. Holmes, Karl Husbauer, Rachel Laudan, and Margaret Rossiter; [at-large]: Frederick Gregory, Albert Moyer, Phillip Sloane, and Edith Sylla. The statutes of the Society indicate that additional candidates may be added by petition, which must be signed by at least fifteen members of the Society. The deadline for submitting such petitions to the Nominating Committee is 1 June 1985. Full information about all candidates and the ballot will be in the July issue of the *HSS Newsletter*.

The History of Science Society is delighted to announce that Miss May Sarton has been named an Honorary Life Member of the Society. Daughter of the founding editor of *Isis*, Miss Sarton is a world-renowned poet and the author of *I Knew a Phoenix: Sketches for an Autobiography*, which contains a moving evocation of her father. Miss Sarton, who now lives in Maine, reported that she was “touched and pleased” at the honor.

Historians of American science who met in Chicago at the HSS meeting last December agreed to revise and reissue the *directory of scholars and graduate students* in their field. Persons wishing to be listed in the directory should request a form from Michele Aldrich, American Association for the Advancement of Science, 1515 Massachusetts Avenue N.W., Washington, DC 20005.

Anyone wishing a copy of the minutes of the HSS *Women’s Committee* meeting on 28 December 1984 should request it from Michele Aldrich at the address listed above. The topics discussed included the HSS jobs survey, a bibliography on women in science, and the directory of women in the history of science.

**HS—Related Groups**

The Chilean Group of History of Science of the International Union for the History and Philosophy of Science has been formed by twenty-five members. Its executive committee includes Desiderio Papp (University of Chile), president; Hector Croxartt (Pontificia Universidad Católica), vice-president; Angel Bate (University of Santiago), general secretary; Eugenia Navas (University of Chile), treasurer; Ing. Eduardo Frenk (Scientific Society of Chile), and Marco Perretta (University of Chile). For more information, contact the secretary, Dr. Ducci, No. 505, 4° piso, Santiago 1, Chile.

The Columbia History of Science Group was founded in 1983 to bring together historians and philosophers of science scattered throughout southwestern Canada and the northwestern United States (the Columbia River watershed); it is open to anyone interested in the cultural framework of science. The group meets annually in the spring and publishes a semiannual newsletter for its fifty members. The program coordinator, who is responsible for organizing two sessions of papers and a book discussion, automatically becomes president for the following year and is then responsible for arranging the meeting and for two newsletters. Current officers are Joella Yoder, president, and Paul Farber, program coordinator. The mailing address is Columbia History of Science Group, c/o Keith Benson, Department of Biomedical History, SB-20, University of Washington, Seattle, WA 98195.

A center for study of the history of science and technology in the four southern states of India will be established at Thanjavur under the auspices of the Tamil University. The center will collect materials, analyze them, and develop information on the progress of science and technology.

The new executive committee of the *International Society for History of Medicine* was elected by the administrative
council at its meeting during the XXIXth Congress of this Society at Cairo on 31 December 1984. Hans Schadewaldt (University of Düsseldorf) was appointed incoming president, succeeding Jean-Charles Sournia (Paris); in his place Roger Joris (Nyon, Switzerland) was elected as one of the four vice-presidents. Marie-José Imbault-Huarr (Paris) became general secretary, replacing Louis Dulieu (Montpellier) who was engaged in this position for many very valuable years. Other appointees included Garnet-Russell Patterson (Toronto), treasurer, Roger Price (London), assistant secretary, and M. Roussel (Paris), assistant treasurer. Louis Dulieu (Montpellier), Franz-André Sondervorst (Louvain), Fortier De La Broquerie (Quebec), and Isidore Simon (Paris) were elected honorary members. Dr. Schadewaldt will organize the next Congress of the History of Medicine in Düsseldorf (German Federal Republic) during the week from 31 August–5 September 1986.

The Washington History of Science Club has been recently reestablished. Its current officers are Marc Rothenberg, president; Toby Appel, vice-president; and George L. Farre, secretary. Meetings are scheduled three times a year. Present membership is around seventy-five. Those interested in receiving more information should contact Marc Rothenberg at the Joseph Henry Papers, S-149, Smithsonian Institution, Washington, DC 20560.

The Society for Literature and Science (SLS) will be inaugurated at the XVIth International Congress for the History of Science in Berkeley (see under “Meetings” for the Congress). The newly launched SLS Newsletter is described under “Publications.”

Members of the Columbia History of Science Group on an excursion to Roche Harbor.

Courtesy of Joella Yoder.

Resources for Independent Scholars

The organizational descriptions below are drawn from R. Gross and B. Gross, Independent Scholarship: Promise, Problems and Prospects (New York: College Entrance Examination Board, 1983). In addition to these organizations, independent scholars' roundtables have sprung up in cities all over the country. Composed of local groups of researchers who meet on a regular basis, roundtables provide a forum for exchanging information and ideas and discussing work in progress, and may also provide information on funding sources, publishing opportunities, and research procedures. Information on roundtables in various parts of the country can be obtained from Independent Scholars' Roundtables, c/o Independent Scholarship Project, 17 Myrtle Drive, Great Neck, NY 11021.

- Alliance of Independent Scholars [6 Ash Street, Cambridge, MA 02138] is a center for intellectual exchange and professional support, in which the needs of women scholars receive special attention. Members have access to a research forum, support groups, career counseling, and workshops on proposal writing.

- Basic Choices, Inc. (Blakeman Place, 1121 University Avenue, Madison, WI 53715) focuses on issues of adult education, social change, human rights, and economic equity; conducts discussion groups; sponsors conferences; and provides members with an institutional affiliation.

- Center for Independent Study [3193 Yale Station, New Haven, CT 06520] provides a forum for intellectual and creative interchange among independent scholars and artists, as well as an institutional affiliation for its members, help in seeking grants-in-aid from foundations, and seminar groups and conferences.

- Institute for Research in History [432 Park Avenue South, New York, NY 10016] is organized around ongoing research groups that focus on specific historical topics or periods. The Institute operates four consulting services, which charge fees, and administers grants made to individual members.

- The Newberry Library (60 West Walton Street, Chicago, IL 60610) operates a variety of intellectual programs, including resident fellowships for unaffiliated scholars and courses, seminars, and summer institutes of its four research centers.

- Princeton Research Forum [P.O. Box 497, Princeton, N.J. 08540] brings together scholars interested in interdisciplinary research and sponsors seminars and colloquia for discussing work in progress.

- Rocky Mountain Women's Institute [2258 South Josephine Street, Denver, CO 80208] is located at the University of Denver and supports the work of five to ten associates each year by providing studio or office space, a small grant, and the freedom to pursue scholarly and creative work.

- University Seminars [606 Dodge Hall, Columbia University, New York, NY 10027] joins independent scholars with academics to discuss topics of mutual interest; approximately eighty seminars meet on a monthly basis.

- The Women's Research Institute (Counseling Center, Hartford College for Women, 50 Elizabeth Street, Hartford, CT 06105) promotes research on women by providing an institutional affiliation for scholars seeking research funding and a supportive work setting.
POSITIONS

The Department of History and Social Studies Education at the State University College at Buffalo is currently recruiting for a two-year, entry level appointment in history beginning in September 1985. A specialist in economic history with an emphasis on business history and a background in the history of science and technology is sought; a Ph.D. is required. The successful applicant will also teach surveys in United States or European history. The salary will range from $20,000 to $24,000. Applicants should send a résumé by 1 May 1985 to Monroe Fordham, Chairman, Department of History and Social Studies Education, State University College at Buffalo, 1300 Elmdwood Avenue, Buffalo, NY 14222, telephone (716) 878-5412. AA/EOE.

The Department of History at the University of California, Los Angeles, has available a two-quarter position in the history of science and technology. Candidates should be able to teach lower division lecture courses in the history of technology from antiquity to the twentieth century, as well as to offer undergraduate and graduate seminars in some aspect of the social history of science or technology. A total of four courses will be required. Rank is open. Applicants should have the doctorate and a respectable publication record. Inquiries should be sent to Robert S. Westman, Department of History, University of California, Los Angeles, CA 90024 by 1 May 1985. AA/EOE.

The Department of the History of Science at Harvard University is conducting a search to fill a position in its faculty. Qualifications should include experienced teaching in the Scientific Revolution, and major scholarship within the extended period from the Renaissance to 1750. Candidates at the junior or senior levels should send preliminary inquiries and information before 1 June 1985 to Professor John E. Murdoch, Chairman of the Search Committee, Department of the History of Science, Science Center 225, Harvard University, Cambridge, MA 02138. AA/EOE.

The National Aeronautics and Space Administration (NASA) History Office invites applications for the position of program historian for NASA's Space Station, scheduled to be operational in 1992. A Ph.D. in history is required, with demonstrated competence in an aerospace-related historical field. The historian chosen will be expected to observe and record the principal activities of the program's office, attend significant meetings, document the principal events and transitions during Space Station definition and development, prepare a chronology of Space Station events, develop a Space Station archive at NASA Headquarters, and prepare one or more monograph studies. The historian will also cooperate with Space Station historical work already underway at the Johnson Space Center. The primary location of responsibilities will be NASA Headquarters in Washington, D.C., but some travel to key NASA Centers involved in Space Station development will be required. The one-year renewable contract may include allowance for a research assistant. Potential applicants should contact Sylvia D. Fries, Director, NASA History Office, Washington, DC 20546, telephone (202) 453-2999, prior to 1 May 1985. Final responses must be received no later than 15 June 1985. AA/EOE.

The NASA History Office also invites inquiries from historians interested in writing individual volumes for NASA's New Series of historical publications. NASA may provide eighteen months to two years of support for research and writing and associated expenses to qualified historians having well-developed proposals for book-length manuscripts. Appropriate themes include, but are not limited to, historical treatments of a technological, cultural, and political synthesis of the Apollo program; case studies of technological innovation in the United States space program; NASA aeronautical research and development, 1960 to the present; industrial and consumer applications of United States space technology, or systems engineering and the development of aerospace technology. The New Series is intended to place NASA's programs in a broad historical context and to address academic as well as educated lay audiences. Qualifications include an earned doctorate in a relevant discipline and successful writing and publishing experience. Compensation is negotiable. Proposals, which will be accepted twice annually (by 1 January and 1 June, beginning 1 June 1985), will be funded on the basis of individual merit and availability of funds. For further information contact Sylvia D. Fries at the address and telephone number listed above.

APRIL DEADLINES

Sarah Lawrence College invites candidates for a one-year, full- or half-time position teaching science and society or the history of science, with a full- or half-time three-year appointment possibly to follow. Send curricula vitae, descriptions of research interests, and outlines of two proposed courses with reading lists to Charlotte A. Price, Chair of Division III, Sarah Lawrence College, Bronxville, NY 10708, by 15 April 1985; an earlier response is encouraged. AA/EOE.

The Department of the History of Medicine at the University of Wisconsin-Madison seeks candidates for a full-time tenure-track faculty position in the history of early modern or modern European medicine. An M.D. or a Ph.D. is required. Applicants should submit their dossiers and request that three letters of reference be sent to Judith W. Leavitt, Chair, Department of the History of Medicine, 1300 University Avenue, Madison, WI 53706, by 30 April 1985. AA/EOE.

The abbreviation "AA/EOE" has been used when the hiring or granting institution has indicated that it is an Affirmative Action/Equal Opportunity Employer.

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Alchemical allegory from Michael Maier's Atalanta Fugiens (1618).
FELLOWSHIPS & GRANTS

The American Philosophical Society (APS) will support basic research in all fields of learning. Grants are intended to assist investigators by subvention living expenses (up to $30 per day), necessary travel, microfilm and photocopies, and certain consumable supplies. Grants do not include salaries, institutional overhead, expenses of publications, usual or permanent equipment for the institution involved, predoctoral research or preparation of a doctoral dissertation, travel to meetings, or compilation of bibliographies. A Ph.D. or its equivalent is required. The maximum grant amount is $3,500 (to full professors, $2,500). The deadlines for application are the first of February, April, June, October, and December for written decision by the end of April, June, October, December, and February, respectively. Prospective applicants should write to the Committee on Research, APS, 104 South Fifth Street, Philadelphia, PA 19104, briefly outlining the project and giving their academic status; three referee letters should also be sent to this address. Application forms will be sent to those eligible.

The American Society for Cell Biology (ASCB) offers a fellowship in the history of cell biology to be awarded to a graduate student or postgraduate in 1985. The award will be $8,000 per annum, renewable on an annual basis. Graduate students’ applications should include their curricula vitae, descriptions of current graduate program and proposed study (including institutional resources), and supporting letters from their graduate program director and project sponsor. Postgraduates should include their curricula vitae, descriptions of present activities and proposed study (including institutional resources), and a letter of support from a departmental chairperson. Applications should be submitted by 1 August 1985 to the History of Cell Biology Fellowship Program, ASCB, 9650 Rockville Pike, Bethesda, MD 20814.

The University of Minnesota and the Bakken Library of Electricity in Life, through support from the Minneapolis Foundation, are continuing a joint program of fellowships aimed at increasing scholarly utilization of the book, periodical, manuscript, and instrument collections of the library. Research awards for 1985 will be available in the following categories: grants-in-aid of research (up to $2,000) for short visits to the library by investigators at all levels; a postdoctoral fellowship ($18,000) for one year for an individual who has received the Ph.D. degree within the past five years (applicants should submit a research proposal and a complete curriculum vita for these two awards); and a postdoctoral fellowship ($7,500) for a graduate student who meets the normal admission requirements of the University of Minnesota’s Program in the History of Science and Technology. The deadline for fellowships beginning in September is 15 May 1985. Applications or inquiries should be addressed to Roger Stuewer, Program in the History of Science and Technology, School of Physics and Astronomy, 116 Church Street S.E., Minneapolis, MN 55455.

PRIZES

HISTORY OF SCIENCE SOCIETY PRIZES

The highest honor awarded by the Society for a work of scholarship is the Pfizer Prize, which was established in 1958 through the generosity of Pfizer Incorporated and consists of a medal and a cash prize of $2,500. Books or original scholarship written by American or Canadian authors that deal in a substantial manner with the history of science and were published in the preceding three years (that is, in 1982, 1983, and 1984) are eligible for nomination this year. Books by more than two authors and unrevised reprints of previously published works are excluded from consideration. The Pfizer Prize Committee will determine the books to be considered by reviewing lists of recently published books and soliciting nominations from major scholarly publishers. Members of HSS are also encouraged to nominate books for consideration by sending their suggestions to the chairman of the 1985 Pfizer Prize Committee, Donald Fleming, 785 Widener Library, Harvard University, Cambridge, MA 02138, by 1 May 1985.

The Society also awards the Schuman Prize, an annual prize of $250 for the best original essay on the history of science and its cultural influences by a graduate student. Ida and Henry Schuman, who established the prize in 1955, wanted "history of science and its cultural influences" to be interpreted very broadly; papers may deal with the ideas and accomplishments of scientists in the past, with the evolution of particular scientific concepts or institutions, or with the historical influences of one branch of science upon another. The phrase "cultural influences" is taken to include studies of the social and historical conditions that have influenced the development of science and studies of the effects of science upon society in the realms of philosophy, religion and social thought, art and literature, economic development, and so forth. Essays on medical topics are not eligible unless they deal with the relations between medicine and the natural sciences. Essays must be in English or accompanied by an English translation, should be thoroughly documented as well as original, and must not exceed 8,000 words in
University of Minnesota, Minneapolis, MN 55455; telephone (612) 376-7023. AA/EOE.

The National Endowment for the Humanities' [NEH] Challenge Grants are designed to meet a variety of needs of nonprofit institutions or organizations (other than elementary and secondary schools) working within the humanities. Challenge Grants are made on a matching basis; that is, for each federal dollar offered, institutions must raise three nonfederal dollars from new sources of giving or from increased contributions by existing donors. All applicants must demonstrate that grant and matching funds will improve the quality of work within the humanities. A new issue of the Challenge Grant Guidelines is available, providing detailed information about program goals, eligibility, use of funds, possible sources of matching gifts, evaluation criteria, time-tables, and the preparation of an application. For copies, write to Challenge Grant Office, NEH, 1100 Pennsylvania Avenue, N.W., Washington, DC 20506. The deadline for the submission of applications is 1 May of each year. Potential applicants may write or call (202) 786-0361 for counsel.

The Society for the Humanities at Cornell University offers six postdoctoral fellowships for 1986–1987 to scholars in humanistic disciplines working on such topics as the relations between humanistic and scientific inquiry, the study of science as a culturally located activity, and the effect of scientific and technological advances on central humanistic concepts. The deadline for applications is 1 November 1985. For information, write Jonathan Culler, Director, Society for the Humanities, 27 East Avenue, Ithaca, NY 14853-1101.

April Deadlines

The Carnegie-Mellon University Program in Technology and Society, with support of the Andrew W. Mellon Foundation, invites applications for a one-year postdoctoral fellowship on the relationship of technology and society. This fellowship is intended for those with doctoral training in American history with an interest in enhancing or developing their understanding and research skills in the area of technology and society. Selection criteria include a record of outstanding performance in the field of American history and a proposal of study and research for the fellowship year related to social and historical studies of technological development and the impact on society, technology, and the political economy of industrial societies, or policy studies involving technology. Applicants should include a statement of proposed research and study of approximately five double-spaced typed pages, a curriculum vita, and at least three letters of recommendation. Stipends for the year commencing in September 1985 will be $16,000 plus fringe benefits. Address applications by 15 April 1985 to Professor Joel A. Tarr, Director, Program in Technology and Society, Carnegie-Mellon University, Pittsburgh, PA 15213. AA/EOE.

FOR THE RECORD

The History Division of the American Chemical Society and the Dexter Chemical Corporation have solicited nominations for the 1985 Dexter Award, which honors outstanding accomplishment in the history of chemistry and consists of $1,000 and an engraved plaque. It will be conferred at the fall meeting of the American Chemical Society. Nominations for next year, consisting of a cover letter containing an assessment of the contributions of the nominee to the field, vita, bibliography of publications, and copies of no more than three select publications, if available, should be forwarded by 1 January 1986 to Robert H. Goldsmith, Secretary-Treasurer: History Division, Division of Natural Science, Anne Arundel Hall 201A, St. Mary's College of Maryland, St. Mary's City, MD 20686.

The American Institute of the History of Pharmacy (AIHP) invites nominations, which may be made at any time, in its annual competition for the George Uh-dang Medal and the Edward Kremers Award. Both are for distinguished pharmaco-historical writing by authors who are American citizens [Kremers Award] or by authors from all countries [Urdang Medal]. Nomination forms may be obtained from AIHP, Pharmacy Building, University of Wisconsin, Madison, WI 53706.

Don't overlook the Midwest American Society for Eighteenth-Century Studies' prize for the best paper delivered at its annual meeting, and the T. C. Schneirl Research Award, both described under "Calls for Papers"; or the invitation for nominations for the Lawrence Memorial Award, deadline 1 May 1985, in the January 1985 Newsletter, p. 6.
CALLS FOR PAPERS

The Association for Social Economics invites proposals for papers for its annual meeting, to be held 28–30 December 1985 in New York City. The theme for the sessions will be “Economics in Interdisciplinary Perspective.” For more information, contact Daniel Rush Finn, Department of Economics and Business Administration, St. John’s University, Collegeville, MN 56321.

The fourth annual volume in the new series History of Anthropology, published by the University of Wisconsin Press and edited by George W. Stocking, Jr., will be devoted to “Anthropology Between Two World Wars: 1914–1945.” Articles on any subdisciplinary field of anthropology, including applied, archeological, biological, linguistic and sociocultural anthropology, as well as articles of general anthropological interest, are welcomed. Topics may be focused biographically, institutionally, conceptually, methodologically, within one national anthropological tradition, or bridging between them. Authors are encouraged to consider topics in relation to specific bodies of documentary material, as well as general historical and cultural trends, including the impact of the two wars. The deadline for completed manuscripts is 31 August 1985; potential contributors are encouraged to communicate with the editor about their work before submitting drafts. All communications should be addressed to George W. Stocking, Jr., Department of Anthropology, University of Chicago, 1126 East Fifty-Ninth Street, Chicago, IL 60637.

Purdue University will host the next annual meeting of the Midwest American Society for Eighteenth-Century Studies to be held 3–5 October 1985 in West Lafayette, Indiana. Special attractions include an excursion to the Feast of the Hunter’s Moon, a two-day celebration recreating the annual gatherings of French traders and local Indian tribes during the eighteenth century. Individuals proposing panels or wishing to give a paper should send proposals, abstracts, or papers to William H. Epstein, Department of English, Purdue University, West Lafayette, IN 47907, as soon as possible but no later than 1 May 1985. Panel organizers are encouraged but not required to consider alternative modes of presentation, such as round-table discussions, debates, respondents, and so forth. The Society offers a $150 prize for the best paper delivered at its annual meeting by a nonplenary speaker. The paper must be submitted in advance and the decision is made by the conference program committee.

The Twelfth Annual Saint Louis Conference on Manuscript Studies will be held at St. Louis University on 11–12 October 1985. An invitation has been extended for papers dealing with one of the four following aspects of the manuscript: codicology, illumination, paleography, and texts. Those wishing to participate should request additional information from the Conference Committee, Vatican Film Library, Pius XII Memorial Library, 3655 West Pine Plaza, St. Louis, MO 63108.

Appointments, Promotions, & Awards


John Earman has been appointed Professor in the Department of History and Philosophy of Science of the University of Pittsburgh.

Bert Hansen has been appointed Assistant Professor in the Department of History at New York University. He will also be working with the University’s Humanities Council to coordinate humanities outreach to NYU’s medical and dental schools.

Thomas Horrocks has been appointed Head of the Historical Department of the Library of the College of Physicians of Philadelphia. He received an undergraduate degree in history from Villanova University and has a master’s degree in library science from Drexel University. For the past year, he has been working on the history of the College’s second century.

Margaret C. Jacob has been appointed University Professor of History at the New School for Social Research and Dean of its Eugene Lang College.

Yakov M. Rabkin, historian of science at the University of Montreal, has received this year’s Wolf Fellowship, awarded by the Israel Academy of Sciences and Humanities, for his project on the entry of Jews into the scientific profession, 1850–1950.

W. Clarke Ridgway of the University of West Virginia has been selected for the 1985–1986 American Institute of the History of Pharmacy’s Teaching Improvement Award, related to a course in pharmaceutical history. He will utilize the matching grant ($15,000) for a year in residence at the University of Wisconsin—Madison.

Gary Werskey of the Department of Social and Economic Studies at Imperial College, London, has been appointed Visiting Fellow in the School of History and Philosophy of Science at the University of New South Wales, Sydney, Australia, from February to June 1985.
Papers on the topics of the evolution of social behavior, concept of integrative levels, or the relation between the two, are invited by the organizing committee of the Third T. C. Schneirla Conference, to be held on 7–9 November 1985 at the American Museum of Natural History (AMNH) in New York City. Scheduled speakers include Stephen Jay Gould and B. F. Skinner (Harvard University), and Sarah J. Hrdy [Yale University]. Ten papers will be accepted for presentation at the conference and publication in the Conference Proceedings [Volume III]. Papers should be 3,000 words or less and may include only two graphs, tables, or illustrations. One of these papers will be awarded the T. C. Schneirla Research Award of $250. Submit manuscripts by 1 July 1985 to Ethel Tobach, Department of Mammalogy, AMNH, Central Park West at 79th Street, New York, NY 10024.

The Program Committee of the Society for the History of Technology (SHOT) calls for session and paper proposals for its annual meeting, which will take place in Dearborn, Michigan, 17–19 October 1985. A diverse and well-balanced program is sought and participants are invited to address topics which have received relatively little attention at recent meetings. Contributions are particularly welcomed in the areas of non-Western technology, technology transfer and its effects on recipient cultures, preindustrial technology, material culture, technology and capitalism, and computers and the new communications technologies, as are interdisciplinary proposals concerning the role of workers, women, blacks, and other minorities in technical development or which analyze the organizational context in which technical change has occurred. It is hoped that at least one session or panel discussion will focus on recent theoretical and methodological approaches in the history of technology, such as innovation theory, technology as knowledge, or the systems concept. Both works-in-progress sessions and sessions sponsored by SHOT’s special interest groups (Jovians, Pelicans, TEMSIG, TS&E, and WITH) are planned, and these groups are encouraged to submit proposals. Preference will be given to individuals who have not made presentations in recent years. The deadline is 1 May 1985. Individual proposals must include a 150-word abstract of the paper and a one-page curriculum vita. Session proposals should include a statement of the general theme as well as an abstract and curriculum vita for each participant. Please send four copies to Susan J. Douglas, School of Communications, Hampshire College, Amherst, MA 01002, telephone (413) 549-4600 extension 559.

The Austrian Wittgenstein Society announces the Tenth International Wittgenstein Symposium to be held 18–25 August 1985 in Kirchberg/Wechsel (Lower Austria, near Vienna). The theme of this year’s symposium will be “The Tasks of Contemporary Philosophy.” Sections are planned on, among other topics, philosophy as the foundation and methodology of the sciences and humanities, and on moral responsibility for human beings and the environment in science and technology. Scholars wishing to present a paper should request an abstract style sheet from either the President of the Society, Adolf Hübner, Markt 234, A-2880 Kirchberg am Wechsel/Austria, or Werner Lein- fellner, University of Nebraska, Department of Philosophy, Lincoln, Nebraska 68508. The deadline for receipt of abstracts is 15 June 1985. Official languages will be English and German. Those planning to attend the conference should contact Dr. Hübner at the above address for further information as soon as possible. Conference fees will be 1,200 Austrian schillings for nonstudents and 400 Austrian schillings for students.

Don’t overlook the following call for papers in the January 1985 Newsletter, pp. 9–10: the joint meeting of the Australasian Association for the History, Philosophy, and Social Studies of Science and the Australasian Association of Philosophy at the University of New South Wales, 25–31 August 1985, deadlines of 1 May and 15 June 1985.

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To Keep Your Announcements Timely

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Call for Photos

The HSS Newsletter staff invites members to contribute pictures of themselves and other historians of science engaged in professional activities such as meetings, colloquia, workshops, exhibits, demonstrations of equipment, teaching, and research. Please send your photographs directly to the Publications Office, History of Science Society, 215 South 34th Street/D6, Philadelphia, PA 19104. Photographs will be returned if not run within a year.

From the Annual Meeting

Announcement from the Committee on Publications

At the December meeting of the HSS Council, the need to provide a fuller description of the roles of the Society's various publications was discussed. In response, the Committee on Publications has prepared the following statement.

The History of Science Society sponsors four categories of publication, as follows.

- Osiris: An International Review Devoted to the History of Science and Its Cultural Influences. The official journal of the Society, Osiris publishes scholarly materials in eight categories: editorials and guest editorials; research articles of standard length; critical or synthetic essays on particular subfields; documents and translations; brief research notes and correspondence; news of the profession; book reviews; and bibliography. Osiris is published five times a year, and membership in the History of Science Society includes a subscription to Osiris.

- Osiris: A Research Journal Devoted to the History of Science and Its Cultural Influences. An annual journal, Osiris publishes material in two categories. The one category consists of guest-edited volumes devoted to a single theme or topic of wide interest to the history of science community. These guest-edited volumes are composed of articles of standard length. The second category follows the tradition of the original series of George Sarton's Osiris (1936–1963). Volumes in this category are made up of major articles that explore an eclectic diversity of subjects on the same level of scholarly excellence but in greater depth than is possible in the pages of Osiris.

- The Newsletter of the History of Science Society. Published quarterly, the Newsletter serves as the main medium for items of professional concern to historians of science. The Newsletter carries notices of forthcoming conferences; employment opportunities; grants and research projects; Society committees, meetings, and elections; and books received by Isis. Often a brief lead story will focus on an event or trend of importance to the history of science community.

- Occasional Publications. The History of Science Society is developing a series of occasional publications to serve a variety of needs. It is expected that these publications will include resource letters for teachers and bibliographies, as well as such items as the Isis Guide to the History of Science and the Isis Cumulative Index.

OSIRIS

A Research Journal Devoted to the History of Science and its Cultural Influences

The second series of Osiris is under the direction of a distinguished board of contributing editors consisting of Gerald L. Geison (Princeton University), Thomas L. Hankins (University of Washington), Frederic L. Holmes (Yale University), David C. Lindberg (University of Wisconsin), and Margaret Rossiter (American Academy of Arts and Sciences). Interested authors are invited to correspond with the contributing editor in their field of interest, or if they are uncertain to whom to write, they may address themselves to Arnold Thackray, the editor of Osiris, at 215 South 34th Street/D6, Philadelphia, PA 19104.

The first two volumes of the new series of Osiris are now in press. Their contents are as follows:

VOLUME I: HISTORICAL WRITING ON AMERICAN SCIENCE: PERSPECTIVES AND PROSPECTS

Edited by Sally Gregory Kohlstedt and Margaret Rossiter

CLASSIC THEMES

Sally Gregory Kohlstedt "Institutional History"
John Harley Warner "Science in Medicine"
Ronald L. Numbers "Science and Religion"
Sharon Gibbs Thibodeau "Science in the Federal Government"

SCIENCE IN SPECIALITIES

Mott Greene "History of Geology"
Marc Rothenberg "History of Astronomy"
John Servos "History of Chemistry"
Jane Maienschein "History of Biology"
Albert Moyer "History of Physics"
Hamilton Cravens "History of Social Science"

NEWER AREAS

Clara Sue Kidwell "Native Knowledge in the Americas"
George Wise "Science and Technology"
Alex Roland "Science and War"
Margaret Rossiter "Science and Public Policy Since World War II"

ACCESS TO SOURCES

Clark A. Elliott "Bibliographies, Reference Works, and Archives"

VOLUME II

David Lindberg "Kepler's Optics and the Neoplatonic Tradition"
W. R. Laird "Renaissance Commentaries on the Mechanical Problems"
The Committee's clarification comes none too soon, as is evident from the letter printed below, which came to our attention through the kind offices of Jane Mork Gibson, one of Clio’s handmaidens in Philadelphia.

**ISIS & OSIRIS: What's in a name?**

Dear Sir:

It has long been in my thoughts to write concerning the title of your journal Isis, and I am now prompted to do so on the occasion of the proposed appearance of your new journal, Osiris. The naming of Isis was a superb choice, but I fear that you may have some difficulty with the title Osiris, considering revisionist history and the rise of feminism.

Isis is an entirely appropriate name for the journal of the History of Science Society, although I have never understood why you continue to omit the space between the two words and run them together. Perhaps it is the printer’s desire to conserve space, or some system of shorthand. I have always felt that the simple statement that “Is is” was a satisfactory one for all historians, and you were wise not to stir up any controversy. There has been so much discussion about what “was,” as determined from such things as the bias of the historian, the availability and the premise of significant primary sources, and the social context in which the material is presented. In many cases this has resulted in endless theories on the “was-ness” of “is,” sometimes even introducing the problem of “may-have-been-ness.” However, you have beautifully handled the issue by naming your journal, “Is is.”

It appears to me that you may not be so fortunate with your new journal, and I foresee that problems may arise with the naming of Osiris. Here, again, you have omitted the spacing, so I have concluded that this is a twentieth-century custom, and you evidently plan to omit punctuation. The name suggests that you now have some doubt about “is-ness.” Also, considering the climate of the times, I am at a loss as to why you have chosen what might be thought a sexist title for this journal. Are you seeking responses from men historians only by asking, “O, sir, is?” You have further confused the situation—perhaps in an effort to balance the title—by engaging two women historians as guest editors. This may give rise to your readers’ wondering if these editors are asking to be informed by men about the reality of “is-ness.” Of course, it may also be a simple statement instead of a question, and that might be even worse—“O, sir, is.” I sincerely hope that this does not refer to history’s having traditionally been written by males.

I congratulate you on your noble efforts to make good historical studies available to a large group of scholars. I trust that your strong statement about Isis [sic] will not be weakened or diminished by any questions of Osiris [sic].

With warmest wishes for success,

CLIO

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**Archives**

The Hagley Museum and Library has recently opened two collections for research: the records of the Bank of Delaware, 1812-1960 (117 linear feet); and the records of the Philadelphia Quartz Company, manufacturer of soap, candles, detergents, and industrial silicates, 1831-1960 (40 linear feet). For further information, contact the Research and Reference Department, Hagley Museum and Library, P.O. Box 3630, Wilmington, DE; telephone (302) 658-2400.

The papers of Robert C. Cook, president of the Population Reference Bureau in the late 1950s, are among the papers described in the recently published Library of Congress Acquisitions: Manuscript Division, 1983. The fifty-five-page illustrated report also catalogues additions to holdings of the papers of Alfred Adler, Anna Freud, Sigmund Freud, and others in the history of science. The pamphlet is available free upon request from the Library of Congress, Manuscripts Division, Washington, DC 20540.

McLean Hospital, Belmont, Massachusetts, announces the availability of its Guide to the Archives of the McLean Hospital Corporation (1984). The result of an initial grant in 1981 in the amount of $20,730 awarded by the National Historical Publications and Records Commission, the Guide includes an archival policy statement; a brief history and chronology of the institution and its nursing school; a listing of administrative, fiscal, legal, and patient records; and a list of the institution’s fine arts holdings. To obtain a copy, send $6.50, plus 75 cents for shipping and handling, to Terry A. Bragg, Archivist, McLean Hospital, 115 Mill Street, Belmont, MA 02178.
MEETINGS

1985 HSS Annual Meeting at Indiana University—Preliminary Report on Transportation and Accommodations

Many air fares are currently very competitive. Recently, for instance, it was possible to get to Indianapolis from the New York City area for $138 round-trip. Most airlines have a policy of honoring current prices if tickets are purchased in advance. Most people will find it least expensive to fly into Indianapolis. There is air service to Bloomington from Indianapolis, but bus service will be less expensive and, it is hoped, equally convenient, see below. There is also air service by Britt from Chicago to Bloomington. A limited number of seats are currently available at $98 round-trip. When they are gone, remaining seats will be available at the special rate of $114 round-trip to those who book directly with Britt and identify themselves as members of HSS.

Bus transport from the airports will be arranged for those who make reservations with the Local Arrangements Committee at least a week in advance. The cost will be $12 round-trip for the fifty-five miles from Indianapolis and $3 round-trip from the Bloomington Airport.

Rooms at the Indiana Memorial Union will be about $38 for a single and $45 for a double. Reservation requests should be addressed to IMU Housing, Indiana University, Bloomington, IN 47405. Some less expensive accommodations will be available for graduate students on a first-come, first-served basis through Victor E. Thoren, Local Arrangements Committee, Department of History and Philosophy of Science, Indiana University, Bloomington, IN 47401, telephone (812) 335-3622.

A symposium will be held 10 June 1985 on the occasion of the inauguration of the Sidney M. Edelstein Center for the History and Philosophy of Science, Technology, and Medicine of the Hebrew University of Jerusalem. Participants will include the founder of the Center, Sidney M. Edelstein, Allen G. Debus, Gerald Holton, Timothy Lorenz, and Arnold Thackray from the United States, and Mara Beller, Joseph Ben-David, and Yehuda Elkana from Israel.

Great Medical History Libraries of Britain, a conference and tour for librarians, historians, bibliophiles, and others interested in books, history of medicine, and libraries, will be held 2-9 June 1985. Visits to the Wellcome Library and Royal Society of Medicine Library in London, the Chelsea Physick Garden, and to historic sites in Oxford and Cambridge are planned. Further information is available from Nicholas Dewey, 19 Great Ormond Street, London, WC1N 3JB, England, or from Janet Kubince, Columbia University Health Sciences Library, 701 West 168th Street, New York, NY 10032; telephone (212) 694-7931.

On 7 October 1985 the Hagley Museum and Library, aided by a grant from E. I. du Pont de Nemours & Co., will present “The R & D Pioneers: A Critical Look at General Electric, Du Pont, AT&T Bell Laboratories, and Eastman Kodak, 1900-1985.” Issues of research management will be addressed in papers by David Hounshell (University of Delaware), George Wise (General Electric Company), John K. Smith (Hagley Museum and Library), Neil H. Wasserman (Harvard Business School), Jeffrey L. Sturchio (Center for History of Chemistry), and Richard S. Rosenblom (Harvard Business School). For more information and registration materials, contact Hagley R & D Pioneers Conference, at the same address and telephone number as above.

The Fourth Annual Series of the Israel Colloquium for the History, Philosophy, and Sociology of Science continues through June 1985. On 16 May a symposium, “‘The Other Newton’—Theological and Alchemical Writings,” will be held in Jerusalem at which Betty Jo Dobbs (Northwestern University) and Richard S. Westfall (University of Wisconsin) will present papers. Other upcoming topics and dates include “Nature and Science in the Renaissance” (Tel-Aviv, 21 May), and "Philosophy Now" (Jerusalem, 6 June).

For further information, contact the Colloquium Coordinator, Edna Margalit, P.O. B. 4070, Jerusalem, Israel.

A conference entitled “Reflections on the Technologies in the Spirit of Humanism: Being, Thinking and Social Responsibilities” will be held at the State University of New York at Farmingdale (SUNY Farmingdale) on 3 May 1985. Speakers include John Truxal (SUNY Stony Brook), Ananthasios Papoulis [Polytechnic Institute of New York], Lois Kellerman [Ethical Culture Society of Queens], Mildred Lowe [St. John’s University], Sheldon Reaven [SUNY Stony Brook], Dashimir Petcla (SUNY Farmingdale), and Julie Wosk (SUNY Maritime). For further information, contact the coordinators and grantees, Charlotte Scharf and Carol Greenholz, Greenley Hall, SUNY Farmingdale, Farmingdale, NY 11735; telephone (516) 420-2402 or 420-2205.

On 11 May 1985 the Society for Industrial Archaeology meets in Newark, New Jersey, to discuss “The Wonder of Work: Industry, Labor, and Process in American Art, 1800-1940.” For information, contact Betsy Fahlman, Department of Art, Old Dominion University, Norfolk, VA 23508.

The XVIIth International Congress of History of Science, to be held this summer at the University of California, Berkeley, 31 July-8 August, will open with a keynote address by Thomas S. Kuhn and will include a wide variety of scientific sections as well as special symposia. The following themes will be addressed: science and technology in the Middle Ages; technology training and education: national comparisons; genetics and society; women in science: options and access; government, industry, and the growth of cooperative research; cross-cultural exchanges of natural knowledge and their social implications; understanding and uses of nature in native cultures; Western science in the Pacific Basin; earth science in the nineteenth and twentieth centuries; science, literature, and the imagination; historical sociology of science; scientific instruments; publications; history of science: methodology and philosophies; social and human sciences; science and religion; contexts of technological change; transmission of mathematical sciences; documentation; historical metrology; and science policy.
The Wellcome Institute for the History of Medicine continues its ongoing research on medical history with upcoming speakers including Trude Prescott (1 May), Martin Daunton (10 May), Christopher Lawrence (29 May), and W. F. Bynum (12 June). Meetings are held Wednesdays, 5:30-7:00 p.m. The Wellcome Institute will also sponsor a symposium on the history of medicine, "Plague in Early Modern Europe," on 26 April 1985, with papers by Edward Eckert, John Henderson, Paul Slack, William Schupbach, Richard Palmer, John Alexander, and Peregrine Horden. An exhibition entitled "The Pest Anatomized: Five Centuries of Plague in Western Europe" will be open at the Institute 4 March–24 May 1985. For more information on the seminar and symposium, contact Ms. F. Houser, The Wellcome Institute for the History of Medicine, 183 Euston Road, London NW1 2BP.

The University of Wisconsin–Extension will be holding a workshop, "Sherlock Holmes: Science and Literature," on 20–21 July 1985. The session on science will be concerned with the role of Victorian science in the stories and as background to the character of Sherlock Holmes, specifically in the areas of medical education and mathematics. Further details and an exact program can be obtained from Thomas Drucker, Department of Liberal Studies–Mathematics, University of Wisconsin–Extension, Madison, WI 53703.

The Library of Congress Near East Section held a conference on the history of Arab sciences entitled "Innovation and Tradition in Arab Sciences" on 14–15 March 1985. The conference dealt with the relationship between Greek and Arab sciences and noted the originality, or lack thereof, of Arab sciences compared with Greek. Among the participants were John Murdoch and A. M. Sabra (Harvard University), George Saliba (Columbia University), David King (New York University), A. Yusuf al-Hasan (University of Toronto), George Anawati (University of Cairo), Roshdi Rashed (University of Paris), and Albert Iskandar and Antoine Zahn (University of London).

APRIL MEETINGS

The Committee on the History and Philosophy of Science at the University of Colorado, Boulder, will hold the Ninth Regional Conference on the History and Philosophy of Science, devoted to the theme of "Artificial Intelligence," during 25–27 April 1985. Clark Glymour (University of Pittsburgh) will discuss "Artificial Intelligence and Rational Social Policy" and additional papers on the theme topic and other aspects of the history and philosophy of science will be presented. For further information, contact University of Colorado, Boulder, Committee on the History and Philosophy of Science, 303) 492-8610 or Howard Smoker at (303) 492-7610.

A conference on historical and industrial archaeology is to be held at the Hagley Museum and Library, Wilmington, Delaware, on 26 April 1985, entitled "Evolving Archaeological Approaches to 19th Century Industrial Communities." Talks by Edward S. Rutsch (Historic Conservation and Interpretation, Inc.) and Anthony Wallace (University of Pennsylvania) will...
be featured. David Ames [University of Delaware] will chair the conference and David Orr [National Park Service] will comment. Preceding the conference, Robert Howard [Hagley Museum] will conduct a tour of the Hagley industrial site emphasizing the development and use of water power. At a luncheon Frank McKelvey [Hagley Museum] will speak on the archaeological contribution to site interpretation. For details, contact the Hagley Center for Advanced Study, Box 3630, Greenville, Wilmington, DE 19807; telephone (302) 658-2400, extension 236.

An International Seminar on Jaina Mathematics and Cosmology is to be held in Hastinapur, India, 26-28 April 1985. The seminar was organized by the Digambera Jaina Institute of Cosmographic Research, Hastinapur (Meerut), and Meerut University. For further information, contact Anupam Jain, Organizing Secretary (Seminar), Department of Mathematics, Government Degree College, Biaora (Raigarh), M.P.-465 674 (India). The twenty-first annual meeting of the Joint Atlantic Seminar in the History of Biology and Medicine will be held at the University of Toronto on 19-20 April 1985. The meeting will include an informal reception, presentation of papers, and a dinner. Graduate students may board with fellow Toronto graduate students. The conference hotel rate is CDN $75 (approximately US $60) for one night or CDN $70 (US $56) for each of two nights, double or single. For further information, contact the seminar host, Polly Winsor, Institute for the History and Philosophy of Science and Technology, Victoria College, University of Toronto, Toronto, Canada M5S 1K7.

The Joint Atlantic Seminar for the History of the Physical Sciences will be held at Princeton University 26-27 April 1985. The conference will consist of a session entitled "The Evidence of Things: Laboratories, Instruments, and Machines," with papers by Peter Galison [Stanford and Princeton], Michael Mahoney [Princeton], and Sharon Traweek [MIT], along with other papers on the history of the modern physical sciences. Graduate student participation is especially welcomed. For registration forms, programs, and information on accommodations, contact Lorraine Daston, Program in History of Science, 220 Palmer Hall, Princeton, NJ 08544.

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ience and science policy to where they are today. We recognize that many of the policies and practices that are in place today are based on developments in our national history. . . . Propositions for new initiatives, new directions, or new emphases to be included in future science policies will be more effective and more likely to succeed if they are shaped against a background that includes an understanding of the forces and factors that shaped past policy developments. To achieve this the Task Force recommends that the Science Policy Study commission a history of American science and U.S. science policy [over the last 100 years]."

The new Director of NSF agrees that the challenges before the United States today require the study of "the proper role of science and technology," and the Consortium of Social Science Associations says simply that the history of science "is not only a growth stock intellectually but has the distinctive role of helping to keep all the sciences self-critical."

To add just one more illustration of our expanding outreach, the local planning for the 1984 annual meeting was undertaken most successfully with the cooperation of the centenarian American Historical Association, whose Executive Director, Ambassador Samuel Gammon, noted in our joint program booklet (p. 101): "It has been a model of cooperative endeavor, more importantly, both sides are infused with a desire to promote a closer relationship between the two societies."

My own role in this recent resurgence of expectations and challenges for the history of science has been, in the first place, to bet on the inevitability of its happening. Since becoming Vice President, I simply have continued to push hard, occasion by occasion, and essentially day by day, for decisions that would allow our Society to increase the scale and professionalism of its operations, and so to take better advantage of the higher level of opportunities that were bound to come increasingly our way.

An event that helped me focus on how to fulfill the task occurred at the Toronto annual meeting in 1980. Sitting in on the meeting of the Council of the Society after having been elected but not yet having taken office, I found to my astonishment that the programs and finances of the Society were so tightly circumscribed that a long segment of the Council’s deliberations was devoted to a discussion of how to find $50 for a Committee on Women in the History of Science. It was clear to me that a review of the total set of Society activities and their budget implications was needed. The next Council meeting voted the start of such a program, including a fund drive. After a survey of the needs expressed by each Standing Committee, a three-year plan for renewal and funding of the Society’s programs was submitted to the National Endowment for the Humanities in 1982. In early March 1983 we received the good news of the NEH Challenge Grant award. Within a few weeks the three-to-one match of NEH’s $80,000 was obtained, thanks to the quick and farsighted action by the Andrew W. Mellon Foundation, the Culpeper Foundation, and the Lounsbery Foundation. We now had the initial financial and moral support we needed, as well as added credibility to other potential donors. What lay ahead was to find long-range funding for new and old programs, and to begin the hard search for an adequate endowment for the Society to stabilize its future.

On the model of many other organizations, we put together an organization of “Friends of the History of Science,” led by a distinguished Council of Friends. Our own members began to participate in ever-increasing numbers, both in the fund drive and in the detailed planning and execution of the specific programs.

The following brief summary of the additions made during the past two or three years to the Society’s total program may be seen not only as part of an account of stewardship but as your checklist, both for selecting some tasks for yourself and for monitoring what progress the Society makes along these lines in the near future.

New programs for the advancement of research and scholarship through publications of the Society

- Osiris. If only because of the increasing size of the profession, it was essential to reestablish the publication of this annual volume, to include long essays, monographs, bibliographies, thematic issues. I am happy to say that thanks to the labors of our Editor and the guest-editors he appointed, the first two volumes are scheduled to be published during 1985. As in all our new ventures, careful planning has gone into making sure that after the initial phase of start-up with specially raised funds the activity will be self-sustaining, with a break-even budget in the long run.

- Isis. As long as our finances were so precarious, there always was a danger that our main journal, Isis, might meet the fate of Osiris before its recent resurrection. This fear has now been laid to rest once and for all thanks to Dr. Bern Dibner’s generous pledge of $250,000, to be a special part of the permanent endowment, its income earmarked for the support of the journal. As a result, new things become possible in Isis, such as the commissioning of major survey reviews in relatively new fields.

- The long-awaited Cumulative Index to publications in Isis during the past thirty years is now in press, and will be released in April 1985.

- Publications of the Committee on Education. The first few “Resource Letters” have been commissioned. Other publications are being planned.

- The Newsletter. The improvement in format and coverage (including listing of job opportunities, fellowships, etc.) has been widely noted and well received.

- Computerization of our publications, including the Cumulative Bibliography, is now well advanced.

- Proper support of the Managing Editor. Most of this Society’s work, as in any other scholarly society, is done by unpaid volunteers. This is as it should be. But for some tasks there must be a decent compensation for the essential professional work. This has now become possible in the case of our only paid full-time professional, on whom the increasing flow of publications depends.

Other Society services, chiefly in aid of the career development of younger scholars

- Job fairs. At the annual meeting in 1983, we began a job fair and a workshop on jobs outside academe. I hope that eventually we will also have a “hot line” service for listing new openings.

- Small grants and loans. Young scholars near the beginning of their careers form the largest and most vulnerable part of our membership. We need a revolving loan fund or small grants fund, to support first publications and to help “unaffiliated” scholars or those between employment to continue research and writing projects, or just to travel to job interviews.
Thanks to a gift from C. Doris Hellman’s family, we have been able to start a Memorial Fund in her name for these purposes. There is also a strong signal from a foundation that we might soon receive support for some unaffiliated scholars.

- **Travel grants** for young scholars to the International Congress in Berkeley were made possible by a special grant obtained from the Walter and Elise Haas Fund, as described in the last issue of the Newsletter.

- **Internships and fellowships.** We should be able to send some trained historians of science, technology, and medicine for a year or two as interns to collaborating archives, industry, Congress, Office of Technology Assessment, and similar institutions. Applications for funds have been made and are pending. One of the Friends of the History of Science has kindly informed us of having made testamentary provision for a fellowship for a historian of science; we hope for other gifts of this kind.

**Other programs to strengthen the Society**

- **Symposia on frontier topics.** The vital work of the Local Arrangements and Program Committees of our annual meetings has become less burdensome, in part because we could at last reimburse our volunteer planners for their out-of-pocket expenses in arranging our meetings. There were several speciality symposia on frontier topics at recent meetings—for example, in 1983, “Science and Industry” (three sessions on twentieth-century advances, primarily in America), and in 1984, “Modern Biology and Social Science” (two sessions). Funds for symposia and regional meetings held between annual meetings are still being sought.

- **Membership Drive.** Some 400 new members joined in 1984, and the total now stands at over 4,000. There is good reason to expect this growth, about 50 percent during the past four years, to continue if the necessary effort is made. Members of the Society are also declaring themselves as Supporting and Life Members. We have recently initiated the category of Corporate Associates, with the aim of obtaining thereby annual support from industry, foundations, publishers, and so forth.

- **Professionalization of operations.** The Society has been fortunate in obtaining Professor Joseph Dauben’s agreement to act as Coordinator of Programs, without having to pay for his released time. Thanks to the work of our Treasurer and the Finance Committee, our fiscal operations are now in excellent shape, as behooves an organization that is responsible for the proper long-term management of its various accounts, grants, and endowments. An audit is made annually, and is available for inspection.

- **Support of prizes.** Last year, Pfizer Inc. kindly agreed to increase the prize money of the Pfizer Award to $2,500. We badly need, and are searching for, endowment of each of our other prizes and honorary lectureships.

- **New Book Prize.** Our Committee on Honors and Prizes has long hoped for an additional prize to be set up, to honor a book in the history of science that is not only sound in scholarly terms but also able to reach a much wider audience than, say, a Pfizer Award book might. Happily, a donor has been identified and a first gift has been received. The ground rules for the award are being written for submission to the Committee and the Council.

- **Relations with cognate societies.** Closer working relations are needed with such societies as SHOT, 4S, AHA, AAAS, the history divisions of scientific societies, the National Academy of Science. One result could be to help some of them routinely organize high-quality history of science sessions at their meetings. Another set of pressures comes from abroad; the history of science societies of foreign countries (most recently China, Japan, and Latin America) are urging us—as the oldest and largest society of its kind with a significant percentage of international membership—to exchange symposia, scholars, and publications. Both the domestic and foreign opportunities need to be studied; ad hoc groups are being set up to do so.

- **Visiting historians of science.** The Committee on Research and the Profession has long urged the Society to initiate a lecture series, based somewhat on the successful models used by Phi Beta Kappa, Sigma Xi, and the Organization of American Historians. We therefore proposed to a foundation that it fund a program that will allow each year several of our best and most eloquent scholars to make major presentations in universities, colleges, or industrial firms. This group of scholars could also advise local deans or presidents who may be considering instituting a history of science department.

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**HSS Executive Committee Meets**

The HSS Executive Committee met in Philadelphia on 14 December 1984, to review the agenda for the annual meeting. Shown above are (left) Audrey Davis [Secretary] and Joe Dauben [Coordinator of Programs], (center) Ed Grant [thirty-fourth President] and Spencer Weart [Treasurer], and (right) Ed Grant, Audrey Davis, Gerald Holton [thirty-third President], and Frederic L. Holmes [thirty-second President, observing].
The Society is fortunate to have received foundation support for the first year of an initial five-year period, and ground rules are being drafted.

These eighteen new initiatives represent an ambitious and extensive transformation, one that calls for more energy and ideas being brought to bear on our affairs than ever before. You now see why I said earlier that my main message today is that each of our members should get involved—not only to take advantage of the Society’s new programs, but equally to produce materials like resource letters, or to be available to refer a grant request, or to be a visiting lecturer on a mission to the unenlightened, and certainly to participate in raising the Endowment Fund, without which the administration of a mature Society’s full set of programs would be far too difficult over the long term. We still need $1,200,000. It is a large sum; but we shall raise it because we must, and because the revitalization of the Society has brought out a fine spirit of dedication.

So much for the positive results over the past few years, always helped by energetic members and by colleagues on the Standing Committees, on the Council, and on the Executive Committee. But I must not close on this note, for it would not be true to the nature of things. For every cheerful theme there is likely to be an antithetical one. It is appropriate at least to indicate, by a brief list of examples, the main dangers our Society and our profession now face.

First, the frontiers and the expectations are expanding even more rapidly than does our membership. Many areas are too thinly populated, particularly those outside the main Western tradition (science in Islam, China, Japan, Latin America). Also, we still do not have enough scholars who command both the techniques of historical scholarship and the hard science itself.

Historians of science and technology do not have the severe employment problem that reigns in some other scholarly fields; but it is bad enough for too many, and too often our well-trained students have to settle for jobs that do not give enough scope to their talents. And the resources for research support have shrunk markedly; for example, as our April 1984 Newsletter pointed out, in constant dollars (corrected for inflation) the NSF has allowed the budget for research grants for History and Philosophy of Science to decrease almost steadily over the past fifteen years, so that it has reached one quarter of the level that existed in 1966, even though the membership in the profession has more than doubled. A drastic reversal of this policy is needed—if only because it has caused many in the last decade or two to think too small for fear of being turned down, not daring to mount enough of the larger, high-quality projects that characterized the 1960s (e.g., Dictionary of Scientific Biography, Sources for the History of Quantum Physics).

Another threat is "intellectual splitting," to use Philip Curtin’s phrase in his presidential address to the AHA last year. I see some early evidence of potential fragmentation in the HSS as subspecialty groups form, produce their own publications, and begin to think of themselves as specialists first and historians of science second. I urge that we all use the HSS as the vehicle for our various interests—perhaps forming divisions and additional publications within HSS, as the scientific societies do, but avoiding the regrettable splitting that, about twenty-five years ago, made many scholars in the history of technology feel it necessary to set up a separate society. Indeed, our better policy will be to go in the opposite direction now, perhaps not to merge with cognate societies but at least to pool our energies for some of the common tasks.

The greatest danger to our continued well-being as a Society may, however, simply be that the very existence of the recent innovations I have listed will cause some to relax, perhaps to go to sleep. The wind is now fair; but the sea is wide and our ship is small. If worse times should come to our profession and if we are not prepared for them by having made our Society strong, I fear the potential of an ugly split between the relatively few who hold fairly secure positions and the much larger and younger group of those who do not—between the few haves and the many have-nots. The great majority of the new programs I listed above are primarily to help the latter group. That’s where our future lies, and that’s just one more reason why the programs must succeed.

But I see I wax too somber. Let me raise a toast to celebrate our fine meeting, our Society’s sixtieth anniversary, the publication of the seventy-fifth volume of Isis, George Sarton’s hundreth birthday, and our good fortune to be part of so vigorous an expedition toward our profession’s bright destiny, one that Sarton knew we could attain.

The American Studies Association (ASA) publishes American Studies Research in Progress, a yearly checklist of scholarly books and dissertations that appears in the bibliography issue of the American Quarterly. Authors of book-length American studies manuscripts and doctoral works that will still be “in progress” in August 1985 are encouraged to submit information in the following order: name of author, address, telephone number, title of book or dissertation, departmental and university affiliation, and projected date of completion. Entries are accepted at any time but must be received by 1 June 1985 for inclusion in the 1985-1986 listing in the fall. Submit entries to Research in Progress, ASA, Office of the Executive Director, 307 College Hall/CO, University of Pennsylvania, Philadelphia, PA 19104; telephone (215) 898-5408.

The Australasian Association for the History, Philosophy and Social Studies of Science has recently published the inaugural volume of its annual review, Meta-science. This volume is a special double issue on the theme “The Value of the Sociology of Knowledge for the Study of Science,” with contributions by Keith Hutchison, John Schuster, Ditta Bartels, Ron Johnston, John Clendinnen, and David Turnbull. Individual copies may be obtained by sending $15 (United States currency) to the School of History and Philosophy of Science, University of New South Wales, P.O. Box 1, Kensington, N.S.W., Australia, 2033.

The fifth annual bibliography of works on the history of Australian science is expected to be published in the Australian Academy of Science’s Historical Records of Australian Science in November 1985, listing mainly works published during 1984 but also items published prior to 1984 but not included in the earlier bibliographies. The scope is limited to material on the history of the natural sciences [mathematics, physical sciences, earth sciences, and biological sciences] and some of the applied sciences (including medical and health sciences, agriculture, transport, manufacturing, and engineering). Relevant material published during 1984 is solicited for the next bibliography. Send details of books, journal articles, theses, reports, and reviews on
The College Art Association of America (COA) calls the attention of HSS members to recent issues of Art Journal that are guest-edited by Samuel Y. Edgerton, Jr., and address the themes "Art and Science: Part I, Life Sciences" (Summer 1984) and "Part II, Physical Sciences" (Fall 1984). The usual price for single copies of the journal is $5; for members of HSS, the Association will dispense with postage and handling costs for these two issues. To order, contact COA, 149 Madison Avenue, New York, NY 10016; telephone (212) 889-2113.

The first volume of the revived Synthesis, a student journal of the History of Science Department at Harvard University, was published in the summer of 1984; future issues will appear quarterly. Subscription rates are $10 for individuals and $17 for institutions (add $2 for overseas). Address requests for subscriptions and other inquiries to the History of Science Department, Science Center 235, Harvard University, Cambridge, MA 02138.

The History of Science Newsletter of Sweden is available free to all HSS members. For a copy, write to Tore Frängsmyr, Editor, Uppsala University, Box 256 S-75105, Uppsala, Sweden.

The Society for Literature and Science (SLS) announces the establishment of the SLS Newsletter under the editorship of Stuart Peterfreund [Northeastern University]. The newsletter will appear four times a year; it is expected that the first issue to appear on a regular quarterly basis will be that of September-October 1985. One issue will be devoted to an annual bibliography of literature and science, edited by Walter Schatzberg [Clark University], while the other three issues will focus on announcements, notes, and grant and fellowship information relevant to the interests of those engaged in interdisciplinary work in the area broadly designated “literature and science.” In the future, the newsletter may also print brief articles and provide a forum for issues of interest to its readership, such as how to prepare a successful grant application. Address all queries regarding subscription, submission of information, and other matters to Stuart Peterfreund, Department of English, Northeastern University.

"MOMENTS OF DISCOVERY" AUDIOVISUAL TEACHING PACKAGE

Teachers of history or sociology of science will welcome a new audiovisual package designed to show the human dimensions of scientific discovery. Issued by the Center for History of Physics of the American Institute of Physics, the package contains two units: "The Discovery of Nuclear Fission" and "An Optical Pulsar Discovery." The first unit includes audio recordings of the actual voices of Bohr, Rutherford, J. J. Thomson, Fermi, Einstein, Szilard, and others, woven into a 36-minute narrated account of the discovery of nuclear fission. The second unit includes excerpts from what may be the only live recording of a moment of discovery as it was taking place; two young scientists inadvertently tape-recorded their voices on the night they found the first optical pulsar. This 44-minute cassette also contains interviews of the scientists and narration by Philip Morrison.

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"Moments of Discovery" was developed with funding from the National Science Foundation, the Heineman Foundation, and the Friends of the AIP Center for History of Physics, and is therefore available at a subsidized cost. It is sold as a package (binder containing two cassettes, two Teachers’ Guides, two illustrated scripts, and slides) for $85.00 including postage and handling; add $2.50 billing charge if the order is not prepaid. Address orders or inquiries to Audiovisual 5, Center for History of Physics, American Institute of Physics, 335 East 45th St., New York, NY 10017.

360 Huntington Avenue, Boston, MA 02115; telephone (617) 437-3967; 437-2512.

Books Received by Isis

December 1984—February 1985

Ordering information: Books and publications listed in the HSS Newsletter are available from the publisher. The History of Science Society cannot fill orders for non-HSS publishers.

Note: Most books on the Books Received List that will be reviewed in Isis have already been assigned to reviewers. If you are interested in reviewing a forthcoming book for Isis, please fill in the coupon "News of Forthcoming Books" in this section.


Silvio A. Bedini. Thomas Jefferson and His Copying Machines. xvi + 230 pp., illus., figs., index. Charlottesville, Va.: University Press of Virginia, 1984. $20.


James T. Cushing; C. F. Delaney; Gary M. Gutting [Editors]. Science and Reality: Recent Work in the Philosophy of Science. (Essays in Honor of Ernest McMillan.) xiv + 195 pp., figs. Notre Dame, Ind.: University of Notre Dame Press, 1984. $21.95 (cloth); $11.95 (paper).


Yves Delange. Jean Henri Fabre: L’homme que aimait les insectes. 351 pp., illus., bibl., index. Paris: Editions Jean-Claude Lattès, 1981. (Paper.)


David Faust. The Limits of Scientific Reasoning. Foreword by Paul E. Meehl. xxvii + 198 pp., bibl., index. Minneapolis: University of Minnesota Press, 1984. $12.95 (paper).


Sharon Gibbs; George Saliba. Planispheric Astrolabes from the National Museum of American History. [Smithsonian Studies in History and Technology, 45.] viii + 231 pp., illus., apps., bibl., index. Washington, D.C.: Smithsonian Institution Press, 1984. (Paper.) No charge to institutions; available to individuals on microfiche.


Dane R. Gordon. Rochester Institute of Technology: Industrial Development and Educational Innovation in an American City. x + 428 pp., illus., bibl., index. Lewiston, N.Y./Toronto: Edwin Mellen Press, 1982. $89.95.

Susan Grant. Beauty and the Beast: The Coevolution of Plants and Animals. vii + 215 pp., illus., bibl., index. New York: Charles Scribner’s Sons, 1985. $14.95.

Mark Graubard. Witchcraft and the Nature of Man. viii + 317 pp., index. Lanham, Md.: University Press of America, 1985. $25.50 (cloth); $14.75 (paper).


Joanna Laybourn-Perry. A Functional Biology of Free-Living Protozoa. x + 218 pp., illus., figs., bibl., index. Berkeley/New York/Los Angeles: University of California Press, 1984. $27.50 (cloth), $14.95 (paper).


Anthony R. Michaelis; Roswitha Schmid. Wissenschaft in Deutschland: Diergung und neuer Aufstieg. Foreword by Reinmar Lust. (Paperback der Zeitschrift Naturwissenschaftliche Rundschau) 98 pp., illus., bibl., index. Stuttgart: Wissenschaftliche Verlagsgesellschaft, 1983. DM 18.50 (paper).


Antonino Poppi (Editor). Scienza e filosofia all'Università di Padova nel quattrocento. (History of Science and Philosophy in the 15th Century, 1.) Contributi alla storia dell'Università di Padova, 15.) 509 pp., indexes. Padova: Edizioni Lint, 1983.


Robert W. Rydell. All the World’s a Fair: Visions of Empire at American International Expositions, 1876–1916. xi + 316 pp., illus., bibl., index. Chicago/London: University of Chicago Press, 1985. $25.


M. M. Sadek. The Arabic Materia Medica of Dioscorides. x + 229 pp., illus., bibl., index. St-Jean-Chrysostome, Québec: Les Éditions du Sphinx, 1983.


Howard P. Segal. Technological Utopianism in American Culture. xii + 309 pp., illus., bibl., index. Chicago/London: University of Chicago Press, 1985. $30 (cloth); $15 (paper).


Nicholas H. Steneck. The Microwave Debate. xvii + 279 pp., illus., figs., index. Cambridge, Mass./London: MIT Press, 1984. $25.

Dana Steward [Editor]. A Fine Age: Creativity as a Key to Successful Aging. 128 pp., illus. Little Rock, Ark.: August House, 1984. $14.95 (paper); $24.95 (cloth).


Gotthard Strohmaier. Die Sterne des Abd ar-Rahman as-Sufi. 111 pp., illus., bibl., index. Leipzig/Weimar: Gustav Kiepenheuer Verlag, 1984.


Mary Tiles. Bachelard: Science and Objectivity. [Modern European Philosophy.] xxii + 242 pp., app., index. Cambridge/London/New York: Cambridge University Press, 1984. $34.50 (cloth); $12.95 (paper).


John C. Van Horn; Lee W. Formwalt [Editors]. The Correspondence and Miscellaneous Papers of Benjamin Henry Latrobe. Volume I: 1784–1827. The Papers of Benjamin Henry Latrobe, 5.] xiii + 612 pp., illus., index. New Haven, Conn./London: Yale University Press for the Maryland Historical Society, 1984. $60.


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ISIS ■ NEWS OF FORTHCOMING BOOKS

The Editor is anxious to improve the speed and quality of the Book Review section of Isis. Editor, author, reader—all are best served by prompt and authoritative reviewing. To that end, it is of the greatest help to have advance intelligence of forthcoming books that should be reviewed. As authors, potential reviewers, readers, critics, "invisible college" members, conference participants, referees, gossips, and grapevine tenders, the members of the Society are more widely informed than the editorial team can ever hope to be about work in progress. Please fill in and return the attached slip to Book Reviews, Isis, Smith Hall/D6, University of Pennsylvania, 215 South 34th Street, Philadelphia, PA 19104.

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<tr>
<th>Author</th>
<th>Title</th>
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*Note: The table above is a placeholder and the actual data was not provided in the image.*
The Center for History of Chemistry (CHOC) invites applications for a one-year, renewable position as a Research Associate (Oral History) who will conduct oral history interviews with eminent chemists and chemical engineers to document the development of polymer science and technology during 1920-1970. Duties of the position include documentary research, conducting oral history interviews, evaluating results, and articulating new goals for the oral history program. Candidates must have a Ph.D. in history of science and technology or in chemistry and chemical engineering, with evidence of developed interest in history of chemistry and strong communication skills. Previous experience in oral history is desirable. (The position may be appropriate for someone able to take leave from a position elsewhere.) Send letters of application, together with a curriculum vitae and the names of three references, to Dr. Arnold Thackray, Director, CHOC, Box OH, 215 South 34th Street /D6, Philadelphia, PA 19104. The deadline is 10 May 1985.

A social historian of science is completing a biography of Lise Meitner and would appreciate further information on memories of Meitner's interaction in the Bohr circle during the late 1920s and 1930s. Contact Patricia Rife, 921 Butterfield Road, San Anselmo, CA 94960.

The Newsletter of the History of Science Society is published in January, April, July, and October. Regular issues are sent to those individual members of the Society residing in North America. Airmail copies are sent to those members overseas who pay $5 yearly to cover postal costs. 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 Secretary, and the Editor of the History of Science Society; it is produced at the Society's Publications Office under the supervision of Dr. Frances Kohler. Send news items to Newsletter, History of Science Society Publications Office, 215 South 34th Street/D6, Philadelphia, PA 19104. The deadline for receipt of news is the tenth of the month prior to publication.

Deadline for July Newsletter
June 10