

NEWSLETTER



VOLUME 13 NUMBER 4
OCTOBER 1984

HISTORY OF SCIENCE SOCIETY

WELCOME TO CHICAGO

BY JOE BURCHFIELD

IN 1984 THE HISTORY OF SCIENCE SOCIETY will return to Chicago after an absence of nearly fifteen years. Carl Sandburg's City of the Big Shoulders is no longer the hog butcher for the world, but it is a convention city *par excellence* and an exciting venue for the celebration of our sixtieth anniversary. Welcome back!

At the 1984 meeting we will also celebrate the hundredth anniversary of the birth of the Society's founder, George Sarton, and join our colleagues in the American Historical Association in celebrating its hundredth anniversary. Mary Jo Nye and David Kitts, our program chairs, have arranged a program that will do each occasion proud, and, thanks to the leg work and astute bargaining of Phillip R. Sloan and Robert J. Richards, we will do our celebrating in the luxury of the Palmer House at Econolodge prices.

The 1984 meeting also marks the beginning of an era of closer cooperation between the HSS and the AHA. Our president Gerald Holton and the AHA

Continued on next page

HSS EXECUTIVE COMMITTEE

PRESIDENT

GERALD HOLTON, Harvard University

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of Physics

EDITOR

ARNOLD THACKRAY, University of
Pennsylvania

The History of Science Society was founded in 1924 to secure the future of *Isis*, the international review that George Sarton (1884-1956) had founded in Belgium in 1912. The Society seeks to foster interest in the history of science and its social and cultural relations, to provide a forum for discussion, and to promote scholarly research in the history of science. The Society pursues these objectives by the publication of its journal *Isis*, by the support and subvention of other forms of scholarly publication, by the organization of annual meetings and other programs, by the award of medals and prizes for outstanding contributions to the history of science, by the encouragement and sponsorship of local and regional sections of the Society, and by cooperation with other learned and scientific societies.

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BE SURE TO SEND IN YOUR BALLOT,
IN THE ENCLOSED ENVELOPE

PLEASE PREREGISTER FOR THE MEETING
AND RESERVE YOUR ROOM NOW.



Nuclear Energy, Henry Moore's sculpture commemorating the first sustained chain reaction, University of Chicago, 2 December 1942, University of Chicago campus.

Continued from page 1

executive secretary Samuel Gammon, have worked to that end as have the program committees of both societies. The unusually large number of joint sessions of interest to both historians and historians of science include a special tribute to Lynn White, who has uniquely held the presidential chairs of both HSS and AHA. These sessions will all be at the Hyatt-Regency, the AHA meeting hotel, and a regular shuttle bus service will make commuting between hotels convenient — whatever Chicago's weather may have in store. For the first time registration fees will be identical for both the HSS and the AHA meetings, and registrants at one will be considered registered at the other. The AHA program will carry the full program of HSS activities, and all HSS registrants will receive a copy of the AHA program. HSS registrants will also be able to participate fully in such AHA services as the job register, under Meredith Helleberg Fields. We hope that this arrangement will provide HSS members with a number of advantages and opportunities from the larger meeting while preserving the intimacy of our own separate gathering.

One of the pleasures — and frustrations — of serving as chair of the local arrangements committee has been in dealing with the generosity of colleagues and friends of the history of science in Chicago. We have been offered more hospitality than one short meeting can accommodate. Some offers we were able to accept. Through the generosity of its director, Joseph Chamberlain, and our colleagues Marjorie and Roderick Webster, the Adler Planetarium will be our host at the Friday evening cocktail party. The Adler's superb exhibits of antique instruments will be open both before and after (but not during) the party. Not included in the preliminary program in July is another offer: thanks to the efforts of Robert Richards, Robert Rosenthal, and George Stocking, the Fishbein Center for the History of Science at the University of Chicago will sponsor a luncheon at noon on Friday to celebrate the opening of the Crerar Science Library. The luncheon will be in the Rare Book Room of the library, and an exhibit of rare volumes in the history of science will be displayed. Also at noon on Friday a guided tour of the Field Museum has been arranged for those especially interested in the history of museum exhibition and research. Please note that these events must be limited to **HSS members and spouses only**, and **tickets can only be assured to preregistered members**. The local arrangements committee has added a nominal fee to help defray the cost of bus transportation.

For those willing to abandon smoky hotel rooms and face Chicago's famous wind, the Field Museum, the Adler Planetarium, and the Museum of Science and Industry all feature exhibits of particular interest to the historians of science. For those arriving on Thursday, my personal recommendation is the Art Institute, only two blocks from the Palmer House, open late on Thursday evenings, and free on Thursdays. Chicago is also justly famous for its ethnic restaurants, and we will provide a few suggestions at registration. For those who arrive early, the Berghoff is just around the corner from the hotel. Finally, if the Loop begins to look a bit bleak on a winter's evening, you'll find a much livelier area of restaurants and night life a few blocks north, off Michigan Avenue's "Magnificent Mile." I think we have a full and rewarding meeting in store. Come and enjoy!

NEWS FROM WASHINGTON



The **National Coordinating Committee for the Promotion of History (NCC)** reports that on 21 June the Senate passed S. 905, the National Archives Administration Act of 1983. This new law restores independence to the **National Archives and Records Service (NARS)** by separating it from the General Services Administration (GSA). For the first time since 1949, the Archivist of the United States will once again be a Presidential appointee, confirmed by the Senate, with ultimate responsibility for the archival programs of the federal government. During the floor debate on the bill Senator Mathias acknowledged the untiring efforts of the **NCC** and the **Coalition to Save Our Documentary Heritage**, among others, to muster support for the Archive's autonomy. Senator Eagleton, another supporter of the bill, declared that "the real credit for success of this legislation should go to the coalition of historians, archivists, genealogists, and other users of the Archives who took the time and made the effort to make Congress understand just what was happening to NARS because of its placement within GSA."

REMEMBER THE SOCIETY'S FUND DRIVE. HAVE YOU SENT YOUR CONTRIBUTION?

THE ANNUAL MEETING

The HSS Annual Meeting will take place 27-30 December 1984 at the Palmer House in Chicago. The preliminary program was printed in the July issue of the *Newsletter*; registrants at the meeting will receive the AHA program, which contains the HSS program as well, and a booklet with an updated version of the HSS program.

The preregistration and hotel reservation forms appear in this issue on page 4. Please fill them out and send them in as soon as possible. Announcements of two special events appear on this page. These events are open to HSS members and their spouses only, and tickets can be assured only to those who have preregistered for the events.

Conference Air Services (CAS), AHA- HSS official air travel coordinator, is offering special discount air fares to those attending the Chicago meeting. For more information and to reserve a flight, call CAS toll free at (800) 336-0227, Monday through Friday 9:00 a.m. to 5:30 p.m. Eastern Standard Time. Virginia and Greater Washington, DC, residents should call (703) 528-0114.

Special Events

The **History of Astronomy Collection of the Adler Planetarium** welcomes visitors during the 1984 History of Science Society annual meeting. In addition to historical exhibits, the planetarium has a large research collection of scientific instruments and rare books. The reserve holdings will not be open on Friday night, 28 December 1984, for the HSS cocktail party. Anyone wishing to examine the collection during the HSS meeting, or at any other time, is urged to make an appointment. Please contact one of the curators: Sara Schechner Genuth, Roderick Webster, or Marjorie Webster, History of Astronomy Collection, the Adler Planetarium, 1300 South Lake Shore Drive, Chicago, IL 60605; telephone (312) 322-0320.

The **Fishbein Center for the History of Science at the University of Chicago** is sponsoring a lunch to celebrate the opening of the **Crerar Science Library** at the university. The lunch will take place in the Rare Book Room of the library. On exhibit will be a display of many of the rare volumes in the Crerar collection. A

catalogue of rare books in the history of science at Crerar will be provided. Buses will leave the Palmer House Hotel at 12:00 and return by 2:30. The nominal charge for lunch, catalogue, and transportation is \$3.00 per person.

Among the additions to the program will be a **round-table discussion** concerning **National Science Foundation** and other **research support** for the history of science. The discussion will be chaired by Robert Kargon and Frederic L. Holmes; date, time and place will be announced in the revised HSS program booklet given out at registration.

HSS Book Exhibit

The Book Display at the Hyatt Regency on the Lower Exhibition Level will be open to both the HSS and the AHA, with publishers displaying titles in history and history of science. A modest HSS book exhibit is also being organized for Parlor E in the Palmer House. Those who have written or know of recently published books in the history of science and related fields are encouraged to contact Harve C. Horowitz, 1039 Currycomb Court, Columbia, MD 21044; telephone (301) 997-0763. Please give author's name, title of the book, and the publisher.



Armillary Sphere with planetarium inside, Italian, seventeenth century. From the Adler Planetarium Antique Instrument collection.



Astrolabe, signed "Gualterus Nepos Gemmae F. Louvanii fecit 1564." From the Adler Planetarium Antique Instrument collection.

PREREGISTRATION FORM ■ 1984 HSS ANNUAL MEETING 27-30 DECEMBER, 1984 ■ THE PALMER HOUSE, CHICAGO

Name _____

Affiliation for name tag _____

Mailing address _____

Preregistration Fees:

Member or Program Participant, \$25 Amt. _____

(HSS and AHA members: Fee at the meeting, \$30)

Student or Unemployed Member, \$10 Amt. _____

(HSS and AHA members: Fee at the meeting, \$12)

Non-member, \$35 Amt. _____

(Fee at the meeting, \$45)

Friday Luncheon at the John Crerar Library, 28 December
(Complimentary. A \$3 fee will be charged for bus transportation)

No. _____ Amt. _____

Friday Evening Reception at the Adler Planetarium, 28 December
(Complimentary; for preregistered HSS members and spouses only. A \$2 fee will be charged for transportation for unregistered spouses.)

Total No. _____ No. @ \$2 _____ Amt. _____

HSS Banquet, Saturday, 29 December (\$27.00)

No. _____ Amt. _____

Total Amt. _____

Please make all checks payable to **HSS REGISTRATION**

Please send payment in U.S. funds to:

HSS Registration
c/o J. D. Burchfield
Department of History
Northern Illinois University
DeKalb, IL 60115

HOTEL RESERVATION FORM ■ 1984 HSS ANNUAL MEETING 27-30 DECEMBER, 1984 ■ THE PALMER HOUSE, CHICAGO

Name _____

Address _____

City _____ State _____ Zip _____

Date _____

Arriving _____ Hour _____ a.m./p.m.

Date _____

Departing _____ Hour _____ a.m./p.m.

Please Reserve: **Palmer House and Towers**

Single(s) _____ Double(s) _____
at \$36 each _____ at \$46 each _____

Twin(s) _____ Triple(s) _____
at \$46 each _____ at \$54 each _____

Quad(s) _____ Suites: See note at right
at \$60 each _____

Towers Rooms are available at prevailing rates.

I wish to share a room with _____

Suites are available at 30% off prevailing rates. Write directly to Mr. Gary Platt, Front Office, Palmer House and Towers, for information, prices, and reservations.

For better choice of accommodations, early reservations are suggested. The block of rooms reserved for HSS will be held until **6 December**. After that date rooms will be available at the convention rate on a space available basis.

If the rate requested is not available, the next available rate will be confirmed.

Rooms will be held until 6:00 p.m. on the stated date of arrival, unless a later time has been confirmed.

All room rates are subject to additional charges equivalent to State, County, and City taxes. The current tax rate is 10.23%.

Rooms are normally available at the convention rate for two days prior and one day following the convention.

Fill out and return to:

Reservation Department
Palmer House and Towers
State and Monroe Streets
Chicago, IL 60690

(Please list all occupants of triples and quads.)

THE 1984 HSS ELECTION CANDIDATES FOR VICE-PRESIDENT



William Coleman



Loren R. Graham



Nathan Reingold

Please fill out the ballot below and mail in the enclosed envelope to the Secretary, Dr. Audrey B. Davis, 1214 Bolton Street, Baltimore, MD 21217. In order to be counted, the ballot must be mailed in the official envelope.

Biographies of the candidates for Vice-President begin on the next page. Biographies of the candidates for the HSS Council and Nominating Committee appeared in the *HSS Newsletter*, Volume 13, Number 2, July 1984, pages 19-22.

HISTORY OF SCIENCE SOCIETY FINAL BALLOT—1984 ELECTION

Candidates for Vice-President.

Two-year term, 1 January 1985-31 December 1986. Two-year term as President, 1 January 1987-31 December 1988.

Vote for 1 of the 3 candidates.

- _____ William Coleman
- _____ Loren R. Graham
- _____ Nathan Reingold

Please detach the ballot and mail in the ENCLOSED ENVELOPE to the Secretary, Dr. Audrey B. Davis, 1214 Bolton Street, Baltimore, MD 21217. Ballots MUST be sent in the envelope in order to be counted. Please return by **30 November 1984.**

Candidates for Council.

Three-year term, 1 January 1985-31 December 1987.

Vote for 5 of the 10 candidates.

- _____ Alan Beyerchen
- _____ Muriel L. Blaisdell
- _____ Robert G. Frank, Jr.
- _____ Judith V. Grabiner
- _____ Timothy Lenoir
- _____ Jane Maienschein
- _____ Michael R. McVaugh
- _____ Helena Pycior
- _____ Alan J. Rocke
- _____ Jeffrey L. Sturchio

Candidates for the Nominating Committee.

One-year term.

Representatives from Council.

Vote for 3 of the 6 candidates.

- _____ Gerald L. Geison
- _____ Frederick Gregory
- _____ Owen Hannaway
- _____ Karl Hufbauer
- _____ Sally Gregory Kohlstedt
- _____ Ronald L. Numbers

Representatives at large.

Vote for 2 of the 4 candidates.

- _____ B. J. T. Dobbs
- _____ Mary Jo Nye
- _____ Lewis Pyenson
- _____ Dorothy Ross

BIOGRAPHIES OF THE CANDIDATES FOR VICE-PRESIDENT

Please see the July 1984 Newsletter for biographies of candidates for other offices.

William Coleman

Dickson-Bascom Professor in Humanities and Professor of History of Science and History of Medicine, University of Wisconsin — Madison. Ph.D., Harvard University, 1962. ■ Specialties: biology; European public health, especially epidemiology. ■ Professional Activities: History of Science Society — Council Member, 1964–1967, 1968–1971, Nominating Committee, 1974, Schuman Prize Committee, 1972; American Association for the History of Medicine — Council Member, 1977–1980, Nominating Committee, 1978–1981, Program Chairman, Toronto, 1981; U.S. National Committee for History and Philosophy of Science, 1973–1975; Coeditor, Cambridge History of Science Series; Coeditor, *Studies in History of Biology* (1977–1984). ■ Selected publications: *Georges Cuvier, Zoologist* (1964); *Biology in the Nineteenth Cen-*

tury (1971); *Death is a Social Disease: Public Health and Political Economy in Early Industrial France* (1982).

■ Statement: Good King Henry promised France a chicken in every pot but I can offer rather less. In recent years the HSS has accomplished much in administrative reorganization and begun a remarkable campaign to establish financial security. The latter must be continued with utmost vigor and the results of the former put to the best use for all members of the Society. Our foremost goals remain the support of original scholarship and the assurance of communication among scholars; in meeting these goals it is our obligation to encourage by all possible means scholars without the academy as well as within and to see that the benefits of the HSS are felt in all regions of the country. We have, too, a serious and as yet unfulfilled obligation to offer what we have learned to a broad, indeed a popular, audience; the HSS should attend closely to this matter. When new problems or op-

portunities arise, we should be prepared to respond quickly and appropriately; we must now also be prepared to apply our increased resources to assuring that the continuing goals of the Society are pursued with efficiency and imagination.

Loren R. Graham

Professor of the History of Science, Program on Science, Technology, and Society, Massachusetts Institute of Technology. Ph.D., Columbia University, 1964. ■ Specialties: history of science in Russia and the Soviet Union; relationship between science and values; social and political implications of science and technology. ■ Professional activities: History of Science Society — former Council member, former *Isis* Advisory Editor; American Historical Association, member of Committee on International Historical Activities; American Association for the Advancement of Science, Committee on Scientific Freedom and Responsibility; American

THE HISTORY OF SCIENCE SOCIETY, 1984

EXECUTIVE COMMITTEE

President
GERALD HOLTON, Harvard University

Vice-President
EDWARD GRANT, Indiana University

Secretary
AUDREY DAVIS, Smithsonian Institution

Treasurer
SPENCER R. WEART, American Institute of Physics

Editor
ARNOLD THACKRAY, University of Pennsylvania

COUNCIL MEMBERS

Elected members

ARTHUR DONOVAN, Virginia Polytechnic Institute

GERALD GEISON, Princeton University

FREDERICK GREGORY, University of Florida

DIANA LONG HALL, College of Physicians

OWEN HANNAWAY, Johns Hopkins University

SANDRA HERBERT, University of Maryland

KARL HUFBAUER, University of California, Irvine

SALLY GREGORY KOHLSTEDT, Syracuse University

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RONALD NUMBERS, University of Wisconsin

BARBARA ROSENKRANTZ, Harvard University

MARGARET ROSSITER, American Academy of Arts and Sciences

PHILLIP R. SLOAN, University of Notre Dame

EDITH D. SYLLA, North Carolina State University

DEBORAH WARNER, Smithsonian Institution

Former presidents, ex officio

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MARSHALL CLAGETT, Institute for Advanced Study

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CHARLES C. GILLISPIE, Princeton University

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FREDERIC L. HOLMES, Yale University

THOMAS S. KUHN, Massachusetts Institute of Technology

ROBERT P. MULTHAUF, Smithsonian Institution

DOROTHY STIMSON, Owl's Head, Maine

RICHARD S. WESTFALL, Indiana University

LYNN WHITE, JR., University of California, Los Angeles

Association for the Advancement of Slavic Studies, former Treasurer; *Sociology of Sciences Yearbook*, Editorial Board; *Social Studies of Science*, Board of Editorial Advisors; *Columbia Encyclopedia*, Advisory Editor; *Studies in Soviet History, Politics, Society, and Thought*, Indiana University Press, Advisory Editor; *Science, Technology, and Human Values*, Editorial Board; International Congress of the History of Science, Moscow, official delegate; U.S. National Academy of Sciences Panel on the Evaluation of Soviet-American Scientific Exchanges, 1975-1977; Hastings Institute, Associate; Council of Scholars, Library of Congress, 1981-1982; Executive Committee member; Russian Research Center, Harvard University. ■ Publications: *The Soviet Academy of Sciences and the Communist Party* (Princeton Univ. Press, 1972); *Science and Philosophy in the Soviet Union* (Alfred A. Knopf, 1972); *Review of US-USSR Interacademy Exchanges and Relations* (rapporteur; National Academy of Sciences Report, 1977); *Between Science and Values* (Honorable Mention for Annual Award for Excellence in Publishing by Association of American Publishers; Columbia Univ. Press, 1981); *Functions and Uses of Disciplinary History* (ed. with Wolf Lepenies and Peter Weingart; Reidel, 1983); *Red Star: The First Bolshevik Science Utopia* (ed. with Richard Stites; Indiana Univ. Press, 1984); also articles in *American Historical Review*, *Isis*, *Minerva*, *Science*, and others.

■ Statement: The most important challenges currently facing the History of Science Society are not only to complete the remarkably successful fund drive of the last several years but, perhaps more significant at this stage, to use this new money to advance research and scholarship in the field and to aid the career development of younger scholars. Research and scholarship can be promoted through publications such as *Isis*, *Osiris*, the *Critical Bibliography* and through guides to research in the history of science, as well as by symposia on frontier topics at national and international meetings. The Society can help younger scholars by promoting employment opportunities at meetings, providing some travel support to attend symposia, and working with other soci-

eties, laboratories, archives, libraries, and institutions in order to increase the participation of historians of science in research, administrative, and teaching positions. The experience of larger societies such as the American Historical Association, which has a program of internships for younger scholars, may be helpful to us. A significant use of some of the new funds would be for the support of the first publication by scholarly presses of theses or books that would not otherwise be published but will make genuine contributions to the field. In sum, the new endowment places upon the Society a heavy responsibility for its optimal management in a way that will benefit both scholarship and the members of the Society; this is a task that calls for maximum discussion and communication among the members of the Society and its officers and committee members.

Nathan Reingold

Editor, Joseph Henry Papers, Smithsonian Institution. Ph.D., University of Pennsylvania, 1951. ■ Specialties: history of science and technology in the nineteenth and twentieth centuries, especially in the United States; the relationship between scientific ideas and social policies; sources. ■ Professional activities: History of Science Society — Council Member, 1964-1967, Nominating Committee, 1967, Program Committee, 1972, Editorial Advisory Board of *Isis*, 1971-1975, Fund Drive Committee; U.S. National Committee for the History and Philosophy of Science, 1964-1967; National Science Foundation — member of Panel for History and Philosophy of Science, 1976-1978, member of Oversight Committee for the History and Philosophy of Science Program, 1981; President of the Commission on Documentation of the Division of Historical Sciences, International Union of the History and Philosophy of Science, 1981-present; Editorial Board, *Historical Studies of the Physical Sciences*, 1968-1979; Editorial Advisory Board, *Social Studies of Science*, 1974-1980; Committee on the History of Applied Mathematics in World War II, Mathematical Association of America; Electorate Nominating Committee, Section L, American Association for the Advancement of Science, 1984; Advisory Council, Society for

the History of Technology, 1962-1965; Director of Publications, Association for Documentary Editing, 1980-1981; Rockefeller Archive Center of Rockefeller University — Special Consultant to the Governing Council, 1982-present, Council Member, 1973-1982; organized sessions in history of science for the meetings of the History of Science Society, Organization of American History, and the American Historical Association, as well as a number of special conferences. ■ Selected Publications: *Science in Nineteenth-Century America: A Documentary History* (1964); *The Papers of Joseph Henry*, 1972-present; "American Indifference to Basic Research: A Reappraisal," in *Nineteenth-Century American Science: A Reappraisal*, edited by G. N. Daniels (1972); "Definitions and Speculations: The Professionalization of Science in Nineteenth-Century America," in *The Pursuit of Knowledge in the Early American Republic*, edited by A. Oleson and S. Brown (1976); editor, *The Sciences in the American Context: New Directions* (1979); "Refugee Mathematicians in the United States, 1933-1939; Reception and Reaction," *Annals of Science*, 1981, 38:313-338; editor (with Ida H. Reingold), *Science in America, A Documentary History, 1900-1939* (1981).

■ Statement: Additional fund raising is a must, both to increase the general endowment and for support of specific projects. Our aim should be a greater visibility for the history of science, so that younger scholars may extend their research and become employed in appropriate positions, and so that the larger community may benefit from the wider dissemination of knowledge. To these ends the Society, in cooperation with suitable organizations, should establish a system of "summer schools" for advanced specialists, for young scholars, and for interested non-specialists; experiment with special regional meetings supplementing the annual one; build a fund to supplement existing sources of research and travel grants; develop bibliographic and other guides to source materials; promote the development of specialized and interdisciplinary undergraduate courses; pursue "missionary" efforts to reach educational and other organizations bereft of history of science; and stimulate popular lectures and publications of quality.

FELLOWSHIPS, GRANTS, & STUDY OPPORTUNITIES

The **American Historical Association's** 1985 *Grants and Fellowships of Interest to Historians* has numerous brief descriptions of funding relevant to historians of science. The book can be ordered from Publications Department, American Historical Association, 400 A Street SE, Washington, DC 20003, at \$4 per copy for AHA members or \$5 per copy for non-AHA members. Only orders with payment can be accepted; please include \$1 shipping per order.

The **American Antiquarian Society** (AAS) will award a number of short- and long-term Visiting Research Fellowships during the year 1 June 1985–31 May 1986. The AAS maintains a major research library in Worcester, Massachusetts, centered on materials printed before 1877 within the boundaries of the United States, Canada, and other former British possessions. Fellowship awards will be made in the five categories described below on the basis of the applicant's scholarly qualifications, the general interest of the project, and the pertinence of the inquiry to AAS holdings. All recipients are expected to be in regular and continuous residence at the AAS library during the period of the grant. The AAS has rooms that may be rented to fellows, and will attempt to locate other suitable housing if necessary. AAS fellows are encouraged to participate in its seminars, colloquia, and other activities, and they may publish their completed work in the *Proceedings of AAS* at the discretion of the editor.

For application materials and further information, write to John B. Hench, Assistant Director for Research and Publication, American Antiquarian Society, 185 Salisbury Street, Worcester, MA 01609; telephone (617) 752-5813 or (617) 755-5221. The deadline for receipt of

completed applications and three letters of recommendation is **31 January 1985**. Announcement of the awards will be made by 15 March 1985.

■ **National Endowment for the Humanities Fellowships** — The AAS will award at least two NEH fellowships tenable for six to twelve months, with a maximum stipend of \$25,000. These fellowships are not open to degree candidates or to foreign nationals unless they have been residents in the United States for at least three years preceding their award. NEH fellows must devote full time to their study and may not undertake other major activities or hold other major fellowships.

■ **Samuel Foster Haven Fellowships; Kate B. and Hall J. Peterson Fellowships** — These fellowships permit study from one to three months and carry a maximum stipend of \$1,800; they are open to individuals (including foreign nationals and those at work on doctoral dissertations) engaged in scholarly research and writing in any field of American history and culture through 1876. Haven fellowships will be granted only to persons who reside or work more than fifty miles from Worcester; there is no such limitation on the Peterson fellowships.

■ **Albert Boni Fellowship** — This fellowship of up to \$1,250 will enable a scholar working in the general fields of early American bibliography or printing and publishing history to work in the AAS library from one to two months. Foreign nationals and individuals working on doctoral dissertations are eligible to apply, as are residents of Worcester and vicinity.

■ **Frances Hiatt Fellowships** — Two fellowships carrying a stipend of \$1,200 for a minimum of six weeks' study at the AAS will be awarded in 1985–1986 to graduate students engaged in research for doctoral dissertations.

■ **Research Associates** — Scholars who

Don't overlook the following fellowship and grant announcements in the July 1984 *Newsletter*, pages 3–5: the **American Association for the Advancement of Science**, Science, Engineering, and Diplomacy Fellowships, deadline 1 February 1985; **American Council of Learned Societies** grants-in-aid, deadline 17 December 1984; **ACLS** programs administered by the **Social Science Research Council**, deadline 1 December 1984 for some grants; **ACLS** and **SSRC Grants for China Studies**, deadline 15 February 1985 for some grants; the **American Institute of the History of Pharmacy** grants, deadline 1 February and 1 April 1985.

hold sabbaticals or fellowships from other grant-making agencies and wish to spend at least four weeks doing research in the AAS collections may apply to be designated Research Associate, granted the privileges accorded to AAS fellows but paid no stipend. To apply, write to the Assistant Director for Research and Publication (at the address listed above), enclosing a current curriculum vitae, the names of two scholarly references, the particulars of the sabbatical or fellowship, the subject of research, and the dates of proposed residence.

The **American Institute of Physics' Center for History of Physics** is continuing its program of small Grants-in-Aid for research in the history of nineteenth- and twentieth-century physics and astronomy and their social interactions. Grants will be for a maximum of \$1000 each and can be used only to reimburse direct expenses connected with research. Preference will be given to those who need the funds for travel to use the resources of the Center's

P L A N A H E A D

To Keep Your Announcements Timely

The table of deadlines printed below will help you reach *Newsletter* readers in good time. For the *Newsletter* to appear on schedule, copy for longer items must reach the Publications Office by the first of the month before the date of publication; short notices of half a

typewritten page (double-spaced) will be accepted until the tenth of the month. Note that the *Newsletter* is mailed third-class by the second week of the month of issue; it reaches readers' desks, depending on the address, by the end of that month.

Events taking place in or with deadlines in	Should appear in the Newsletter for	Deadline for short copy	Deadline for long copy	To expedite inclusion, send prior notice by
May, June, July	April	March 10	March 1	February 15
August, September, October	July	June 10	June 1	May 15
November, December, January	October	September 10	September 1	August 15
February, March, April	January	December 10	December 1	November 15

If a deadline is close, please send copy directly to the Publications Office, 215 South 34th Street/D6, Philadelphia, PA 19104, and a confirming copy to the Secretary, Dr. Audrey B. Davis, The National Museum of American History, Room 5000, Smithsonian Institution, Washington, DC 20560.

Continued from page 9

allows participants to carry out a work project and gather data for their dissertation while being actively involved in GAO activities. Applications are assigned by research topic to the appropriate member of the GAO Educator Consultant Panel for review. Final selection is made on the basis of a match between the student's research plans and the needs of GAO. Previous research topics included governmental policy responses to technology-induced societal risks, the role of federal and state governments in education, and federal budget decision-making.

Candidates for the program must be United States citizens, have completed all course work leading to a doctoral degree, and be willing to move to Washington, DC, for the period of employment (not to exceed one year). Participants receive a temporary appointment at the GS-9 level, which provides a salary of about \$21,000.

The next deadline for applications will be in February 1985; however, early inquiries are encouraged. For more information contact Dominic DelGuidice, Coordinator, Doctoral Research Program, GAO, 441 G Street NW, Room 7614, Washington, DC 20548; telephone (202) 275-5495.

The **GTE Foundation Lectureship Program** is offering grants of up to \$4,000 to accredited colleges and universities to bring in outside lecturers to discuss the broad topic of "Science, Technology and Human Values." Application forms may be obtained from Richard Schlatter, Director of the Program, at either Box 315, Neshanic, NJ 08853; telephone (201) 369-8421; or Room 105, 185 College Avenue, Rutgers University, New Brunswick, NJ 08903; telephone (201) 932-7270. The deadline is **1 March 1985**.

The fourteenth annual **Institute for Historical Editing** will be sponsored by the **National Historical Publications and Records Commission (NHPRC)**, the **State Historical Society of Wisconsin**, and the **University of Wisconsin** during 16-28 June 1985 in Madison, Wisconsin, to provide detailed theoretical and practical instruction in documentary editing. Applicants should hold a master's degree in history or American studies. A limited number of study grants are available. In-

formation and application forms may be obtained from the NHPRC, National Archives Building, Washington, DC 20408; telephone (202) 724-1616. **The application deadline is 15 March 1985.**

■ 17 June–9 August 1985. *Agreement and Disagreement in Science* (Larry Laudan, Center for the Study of Science in Society, Price House, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061); *Exact Sciences in Antiquity and the Middle Ages* (Asger Aaboe, Department of the History of Sciences, c/o Yale Summer & Special Programs, 53 Wall Street, New Haven, CT 06520); *Reappraisals of the Scientific Revolution* (Robert S. Westman, Department of History, University of California, Los Angeles, CA 90024).

■ 24 June–16 August 1985. *The Social History of Modern Science* (Everett Mendelsohn, Department of the History of Science, Science Center 235, Harvard University, Cambridge, MA 02138). This seminar is open only to teachers in two-year colleges.

The **National Endowment for the Humanities** is pleased to announce that seventy-six seminars for college teachers at undergraduate and two-year colleges will be offered during the summer of 1985 at forty-three different institutions across the United States and one institution in Paris, France. These seminars will deal with a rich variety of topics central to the humanities and will provide teachers the opportunities both to work with a distinguished scholar and colleagues in an area of mutual interest and to pursue individual study and research. Each of the twelve participants will receive a stipend of \$3,000 to cover travel to and from the seminar location, books, and research and living expenses. Four seminars fall in the area of history and philosophy of science. Copies of the NEH brochure describing the content of each seminar are available from the Public Affairs Office, Room 409, NEH, Washington, D.C. 20506. For more detailed information and for application forms for the history and philosophy of science seminars, please write directly to the seminar directors at the addresses given below.

The **National Endowment for the Humanities (NEH)** invites applications for its

Travel to Collections Program, which enables American scholars to travel to research collections of libraries, archives, museums, and other repositories in North America and Western Europe. The program will provide from two to five hundred grants of \$500 for consultation of materials essential to a scholar's research but not readily available near the scholar's home or regular place of work. Awards will be made to help defray travel costs, subsistence and lodging, reproduction and photoduplication costs, and certain other associated research expenses. The grants cannot support salary replacement or released time from the applicant's regular employment. Applicants may be members of college or university faculties as well as others who conduct advanced research in the humanities; employment by an academic institution is not necessary. The research involved cannot be for work leading to an academic degree, and the grants cannot support travel to professional meetings or conferences.

Complete proposals must be post-marked on or before **15 September 1984** for travel beginning after 1 December 1984, and on or before **15 January 1985** for travel beginning after 1 June 1985. For further information, applications, and instructions, contact the Program Officer, Travel to Collections, Division of Research Programs, Room 319-GT, NEH, 1100 Pennsylvania Avenue NW, Washington, DC 20506; telephone (202) 786-0207.

The **National Historical Publications and Records Commission (NHPRC)** will offer three history fellowships in 1985, each carrying a stipend of \$15,000, plus \$3,000 towards fringe benefits and other expenses, to spend ten months in training at a documentary publication project. Participating projects are the **Papers of Joseph Henry** (The Smithsonian Institution, Washington, DC), the **Papers of Robert Morris** (Queens College, Flushing, NY), and the **Correspondence of James K. Polk** (Vanderbilt University, Nashville, TN). Applicants should hold a Ph.D. or have completed all requirements for the doctorate except the dissertation. Further information and application forms are available from the NHPRC, National Archives Building, Washington, DC 20408; telephone (202) 724-1616. **The application deadline is 15 March 1985.**

The **National Science Foundation** reminds HSS members that the next deadline for grant proposals is **1 February 1985**. This year *at least 60 percent of History and Philosophy of Science support* will go for grants of up to \$30,000 for projects requiring a semester or more (NSF Scholars Award) or grants of up to \$9,000 for summer projects (Summer Scholars Program). *Up to 40 percent of available funds may be used for projects requiring more funds than provided by the Scholars Award.* There is also a special pool of NSF money for projects relating to precollege education, including research on the history of science teaching at that level. For more information write to Dr. Ronald Overmann, National Science Foundation, 1800 G Street NW, Washington, D.C. 20550; telephone (202) 357-9677.

The **University of Pennsylvania** announces **Mellon Postdoctoral Fellowships in the Humanities** for younger scholars who, by 30 September 1985, will have held the Ph.D. for not fewer than three and not more than eight years. Research proposals are invited in all areas of humanistic studies; special consideration will be given to applications that are interdisciplinary or do not fit into normal academic programs, and to candidates who have not previously utilized the university's resources. The award carries an annual stipend of \$18,000. For further information and applications write to Dr. John McCarthy, Chairman, Humanities Coordinating Committee, 16 College Hall / CO, University of Pennsylvania, Philadelphia, PA 19104. Completed applications must be received no later than **1 December 1984**; awards will be announced 1 March 1985. The University of Pennsylvania is an equal opportunity, affirmative action employer.

The **Smithsonian Foreign Currency Program**, a national research grants program, offers opportunities for support of research in Burma, Guinea, India, and Pakistan in the following disciplines: anthropology, archaeology, and related disciplines; systematic and environmental biology; astrophysics and earth sciences; and museum

programs. Grants in the local currencies of the above listed countries are awarded to American institutions for scholarly research. Collaborative programs involving host country institutions are welcome. Awards are determined on the basis of competitive scholarly review. The deadline for submission is **1 November annually**. For further information write the Foreign Currency Program, Office of Fellowships and Grants, Smithsonian Institution, Washington, DC 20560; or call (202) 287-3321.

The **Smithsonian Institution** announces its research fellowships for 1985-1986;

the fields include social and cultural history and the history of science and technology. Smithsonian fellowships are awarded to support independent research in residence related to research interests of the Smithsonian's professional staff and using its collections, facilities, and laboratories. Pre- and postdoctoral fellowship appointments for six to twelve months and graduate student appointments for ten weeks are awarded. Stipends supporting these awards are \$18,000 per year plus allowances for postdoctoral fellows, \$11,000 per year plus allowances for predoctoral fellows, and \$2,000 for graduate students for the ten-week period of ap-

pointment. Pre- and postdoctoral stipends are prorated on a monthly basis for periods less than one year. Awards are based on merit, and Smithsonian fellowships are open to all qualified individuals without reference to race, color, religion, sex, national origin, age, or condition of handicap of any applicant. For more information and application forms write to the Office of Fellowships and Grants, Desk J, 3300 L'Enfant Plaza, Smithsonian Institution, Washington, DC 20560, indicating the particular area in which research is proposed and the dates of degrees received or expected. Applications are due **15 January 1985**.

POSITIONS

The **Thomas A. Edison Papers**, located at Rutgers University, is seeking an Editorial Assistant for ten to twelve weeks in the summer of 1985. The Assistant will work with the senior professional staff in preparing materials for the microfilm and book editions of the papers. Applicants should have a background and interest in the history of science, technology, and business in the era of Edison. To apply, contact the Thomas A. Edison Papers, Van Dyck Hall, Rutgers, The State University, New Brunswick, NJ 08903. The deadline is **1 February 1985**. Rutgers University is an Equal Opportunity, Affirmative Action Employer.

The **Thomas A. Edison Papers** is also seeking an Editorial Associate or Assistant Editor. Responsibilities include organizing, selecting, indexing, and preparing for microfilming documents in the Edison National Historic Site archive. Applicants should have a background in business and economic history, history of technology, and nineteenth-century American social history. An M.A. in history and training or experience in archive management is highly desirable. To apply, send cover letter, résumé, and names of three references to the Thomas A. Edison Papers, Van

Dyck Hall, Rutgers, The State University, New Brunswick, NJ 08903, by **23 November 1984**. Rutgers University is an Equal Opportunity, Affirmative Action Employer.

The **Einstein Papers Project** at Boston University is preparing a complete edition of Einstein's published and unpublished writings and correspondence, to be published by Princeton University Press. The project is seeking a full-time Assistant Editor whose duties will include transcription, annotation, and archival research. Candidates must possess a Ph.D., an excellent reading knowledge of German, and postdoctoral experience in one or more of the following fields: history of twentieth-century physics, philosophy of physics, and physics (a background in statistical physics, relativity, or quantum theory is preferred). Experience with word processors is desirable. The salary is negotiable, and the position begins **as soon as possible**. Submit letter of application and curriculum vitae to John Stachel, Einstein Project, Boston University, Boston, MA 02215. Princeton University Press is an equal opportunity employer.

The **Committee on the History and Philosophy of Science at University of Maryland at College Park** announces a senior position in the philosophy of science, to begin fall 1985. Candidates must possess

a distinguished record of teaching and scholarship, and interest in the history of science is desirable. Applicants with demonstrated competence in the history of biology or medicine, as well as those specializing in the physical sciences and mathematics, are particularly encouraged to apply. The salary will be commensurate with seniority and experience. To apply, send a curriculum vitae and the names of three references to Professor Lindley Darden, Department of Philosophy, University of Maryland, College Park, MD 20742. To ensure consideration, materials should arrive before **15 December 1984**.

The **Pearson Museum, Southern Illinois University School of Medicine**, has reopened its search for a Museum Curator and Visiting Instructor in Medical Humanities who has skills in research, exhibition, and conservation of medical artifacts and memorabilia and will assist in developing learning experiences for students of medicine and health sciences. Candidates must have a master's degree in one of the humanistic disciplines and training in museum practices. Preference will be given to those with formal training in the history of science or medicine, and experience in collection management and exhibit or program development are desired. Excellent research, verbal and

written communication skills, and the ability to work closely with the routine details of operating a museum are also required. The Curator will report to the Chairman of the Department of Medical Humanities. Send letters of application with résumés and the names of three references (with telephone numbers) to Lynne Cleverdon, Department of Medical Humanities, P.O. Box 3926, Springfield, IL 62708. Dossiers will be reviewed 15 November 1984 or until the position is filled. The Pearson Museum's collections illustrate the development of the healer's role in the Mississippi River Basin and include medical instruments (prehistoric, pre-Independence, and 1840-1920) and pharmaceutical artifacts (1840-1930).

The Department of History and Philosophy of Science at the University of Pittsburgh announces a new tenure-track faculty position starting fall 1985. The rank is open but likely to be for either an assistant or a lower-level associate professor, with a salary according to qualifications. Teaching responsibilities will be two courses per term, graduate and undergraduate, and thesis supervision. Candidates' areas of competence and specialization are open, but possibilities include historical and philosophical interests in medieval and Renaissance science, psychology, social sciences (especially economics), technology, or scientific method. To apply, contact Peter Machamer, History and Philosophy of Science, 1017 Cathedral of Learning, University of Pittsburgh, Pittsburgh, PA 15260. Applications at the junior level should include samples of written work, which will not be returned. The deadline is 15 December 1984. (Previous applicants for Position 29, listed in JFP 57, or Position 63, listed in JFP 64S, need only write indicating their interest and sending an up-dated curriculum vitae in order to be considered again.) The University of Pittsburgh is an Equal Opportunity, Affirmative Action Employer.

Don't overlook the GAO Doctoral Research Program listed under "Fellowships and Grants."

CALLS FOR PAPERS & IDEAS



The American Mathematical Society will hold a session on the history of logic in the nineteenth and twentieth centuries at its meeting 22-23 March 1985 in Chicago, and invites contributions from historians. Papers should be twenty to thirty minutes long. Submit proposals as soon as possible to the session's organizer, Professor Thomas L. Drucker, Department of Liberal Studies, Mathematics, University of Wisconsin-Extension, 610 Langdon Street, Madison, WI 53706; telephone (608) 262-2151.

The Tenth Biennial American Studies Association (ASA) Convention will be held 31 October - 3 November 1985 in San Diego, California. The Program Committee invites proposals for individual papers, sessions, workshops, panels, and other professional contributions from all constituent areas of American studies. Proposals should address some aspect of the Convention's theme "Boundaries in American Culture"; among the categories to be emphasized are public support and public policies (including museums and public preservation), folklore and folklife (including folk medicine), cross-cultural relations (including technology and trade), and "exploding the canons" (including bridging the disciplines). Eleven copies of typed, double-spaced proposals must be submitted to Professor Martha Banta, Chair, ASA Program Committee, Department of English, 2225 Rolfe Hall, University of California at Los Angeles, Los Angeles, CA 90024, by 15 January 1985. These should be accompanied by a proposal cover sheet, which may be obtained from the ASA, 307 College Hall/CO, University of Pennsylvania, Philadelphia, PA 19104; telephone (215) 898-5408.

The Centre International de Synthèse, Paris, France, is organizing a symposium to be held in May 1985 to mark the fortieth anniversary of the death of Hélène Metzger. Papers on any aspect of her thought and work are invited. Possible topics include Hélène Metzger's influence; her contributions to the history of chemistry, Newtonianism, and crystallography; her philosophy of science; her ideas about the relationship between science and religious and metaphysical thought, or between scientific and "primitive" modes of thought; her views of the historiography of science and its relationship to the philosophy of science; and the role of women in the history of science. Prospective contributors and those interested in receiving further information should contact Dr. Bernadette Bensaude or Dr. Gad Freudenthal, Centre International de Synthèse, 12, rue Colbert, 75002 Paris, France.

Cheiron: The International Society for the History of the Behavioral and Social Sciences will hold its seventeenth annual meeting 12-15 June 1985 at the University of Pennsylvania in Philadelphia. Papers concerning any aspect of the history of the behavioral and social sciences, including historiographical and methodological issues, are solicited, as are suggestions for symposia and other special sessions. Five copies of the paper (seven-page maximum for text) should be sent by 15 January 1985 to the program chair, Dr. Henry Minton, Department of Psychology, University of Windsor, Windsor, Ontario, Canada N9B 3P4; telephone (519) 253-4232. European residents should send two copies to Dr. Minton and three copies to Dr. Ian Lubeck, 2 rue Jules Breton, 75013 Paris, France; telephone (1) 337-47-80. To facilitate blind review, author's name and institution should be typed on a separate cover sheet. Graduate student travel awards may be available to students whose papers are selected for presentation; please indicate whether you are a graduate student and wish to be considered for this award. A post-Cheiron workshop will be held 15 June. For information contact Dr. Franz Samelson, Department of Psychology, Kansas State University,

Manhattan, KS 66505; telephone (913) 532-6850. For information regarding local arrangements, contact Mr. James Capshew, Department of History and Sociology of Science, University of Pennsylvania, 215 S. 34th Street/D6, Philadelphia, PA 19104; telephone (215) 898-4643 or 898-8400. Membership information may be obtained from Dr. John Popplestone, Cheiron Society Executive Officer, Archives of the History of American Psychology, University of Akron, Akron, OH 44325.

The **Committee on Basic Research in the Behavioral and Social Sciences (CBRBSS)**, a unit of the National Research Council (NRC), is undertaking a Decade Outlook on Research Opportunities in the Behavioral and Social Sciences to be completed in 1986. Other participants are the NRC's Commission on Behavioral and Social Sciences and Education, the Center for Advanced Study in the Behavioral Sciences, and the Social Science Research Council. Sponsors include the National Science Foundation and the Russell Sage Foundation. The Decade Outlook will study scientific frontiers, leading research questions, and new resources needed over the next decade (1986-1995). The final report will contain recommendations for research resources, facilities, and programs that may provide a high level of returns to basic knowledge. The Committee invites ideas from members of the History of Science Society on leading research questions for the next ten years and new resources needed to enable rapid progress to be made on fundamental problems in the behavioral and social sciences. Responses and inquiries should be addressed to the CBRBSS, NRC, 2101 Constitution Avenue NW, Washington, DC 20418.

The **State University of Groningen** in The Netherlands has organized an International Congress scheduled for 27-30 October 1985 to commemorate the death of Rudolph Agricola. The central themes of the Congress will be Biography and History, Literature and Humanism, and Rhetoric and Dialectic. Other social and cultural activities will include an excursion through the countryside where Agricola grew up, a recital in Groningen's St. Martin's Church on the organ built under

his supervision, an exhibition on his life and works, and a catalogue of the early printed editions of his works. Sessions will be limited to forty-five minutes, and papers should not exceed thirty minutes. Papers selected for publication in the Congress's proceedings should be no longer than 4,000 words, notes included. A summary of around 500 words is requested before **1 May 1985**. Proposals and requests for more information should be sent to Dr. F. Akkerman, Klassiek Instituut RUG, Pleiadenlaan 10-26, 9742 NG Groningen, The Netherlands.

Martinus Nijhoff Publishers announces a new series of books under the heading **Science and Philosophy** that will emphasize philosophical analyses of science based on an examination of actual scientific practice in the physical or biological sciences. Contributions are welcomed from scientists, historians, and sociologists of science.

In January 1985 W. B. Saunders will begin publishing **Medical Heritage**, a bi-monthly journal designed for an audience of physicians and others interested in the historical and humanistic aspects of medicine. Articles in the following areas are solicited: medical history and biography; medicine and fine art, photography, and illustration; medicine and literature; medicine and anthropology; medicine and philosophy; short stories and poetry featuring medicine or physicians; personal reminiscences of physicians and institutions; medicine and stamps; and history of medical technology. The editors seek authoritative work written in a lively style, with, when appropriate, accompanying illustrations. Manuscripts should be submitted in triplicate, typed double-spaced, along with any photographs and

Don't overlook the following calls for papers in the July 1984 *Newsletter*: the Summer Conference on **Historical, Philosophical, and Social Studies of Biology — 1985** to be held 24-29 June 1985, deadline 1 April 1985; the tenth annual meeting of the **Social Science History Association** to be held 21-24 November 1985, deadline 1 March 1985.

illustrations, to Sharon Romm, M.D., Albert Chandler Medical Center, Department of Surgery, Division of Plastic Surgery, University of Kentucky, Lexington, KY 40536-0084.

The **Society for Historians of the Early American Republic (1789-1848) (SHEAR)** is calling for sessions or papers for its annual conference, to be held 26-27 July 1985 at Gunston Hall, Virginia. Proposals for Virginia and Upper South sessions are especially solicited. All submissions (maximum three pages) should be sent in triplicate, with brief vitae, to SHEAR Program 1985, William H. Pease, Department of History, University of Maine, Orono, ME 04469 by **31 October 1984**. For membership information contact James H. Broussard, Department of History, Lebanon Valley College, Annville, PA 17003.

Dissertations

University of California at San Diego

Marcine J. Cohen, "Medical School Movements in the United States (1820-1982): The Case of Osteopathy." Ph.D. completed 1983.

University of Chicago

Bonnie Kaplan, "Computers in Medicine, 1950-1980: The Relationship Between History and Policy." Ph.D. completed 1983.

Johns Hopkins University

John A. Heitmann, "Scientific and Technological Change in the Louisiana Sugar Industry, 1830-1910." Ph.D. completed 1983.

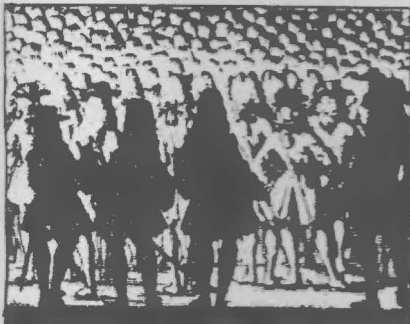
Miami University

Dennis N. Ulrich, "Samuel P. Hildreth: Physician and Scientist on the American Frontier, 1783-1863." Ph.D. completed 1983.

University of Montreal

Jan Sapp, "Cytoplasmic Inheritance and the Struggle for Authority in the Field of Heredity, 1891-1981." Ph.D. completed 1984.

MEETINGS



The **East-Central/American Society for Eighteenth-Century Studies** will hold its sixteenth annual meeting at Gettysburg College, Gettysburg, Pennsylvania, 18–20 October 1985. The theme of the conference is "The Eighteenth Century Looks at Itself." For information contact Professor Mary Margaret Stewart, Department of English, Gettysburg College, Gettysburg, PA 17325.

The **Office Rhône-Alpes du Livre** will sponsor a series of meetings and exhibits devoted to periodicals, entitled "La revue des revues," which will take place in the city of Villeurbanne in France during November 1984. Five extensive exhibits of periodicals have been arranged for five locations, covering those devoted to literary studies, the plastic arts, the social sciences, science and technology, and entertainment (theater, dance, music, cinema); the periodicals will be on display the first two weeks of November. The meetings proper, which include a round table discussion about periodicals and the milieu that produce them, will take place 16–17 November 1984. For more information write Lydie Valero, Director, Office Rhône-Alpes du Livre, Clos Bonlieu, 1, rue Jean Jaurès, 7400 Annecy, France.

The **Renaissance Society of America (RSA)** will hold its annual meeting 21–23 March 1985 at the Huntington Library, Art Gallery, and Botanical Gardens in San Marino, California. Seventy-five papers will be presented in sessions on the Italian and Northern Renaissance. Evening events include a Renaissance Banquet at Occidental College, Los Angeles, and a buffet reception and gallery exhibit at the J. Paul Getty Museum, Malibu. The con-

ference will feature the Josephine Waters Bennett Lecture, the RSA interdisciplinary panel, and the Francis Bacon Foundation Lecture. For information and registration write to Professor Wendy Furman, Secretary-Treasurer, Renaissance Conference of Southern California, Whittier College, Whittier, CA 90608; telephone (213) 693-0771 or (213) 926-2819.

The **Society for the History of Technology** will hold its annual meeting 1–4 November 1984 on the campus of the Massachusetts Institute of Technology (MIT) in Cambridge, Massachusetts. In honor of the centennial of George Sarton, there will be a reception on 2 November.

Arnold Thackray (Pennsylvania) will preside, with brief presentations on Sarton's career and views on the history of science and technology by John Murdoch (Harvard) and Tore Frängsmyr (Uppsala). The plenary session on 3 November, chaired by Alfred D. Chandler (Harvard), will be devoted to a critical review of Thomas P. Hughes's *Networks of Power*, with talks by Louis Galambos (Johns Hopkins), Leslie Hannah (London School of Economics), and Reese V. Jenkins (Thomas Edison Papers).

Other sessions will address research on all aspects of the history of technology, from craftsmanship and medieval monasticism to popular views of twentieth-century space exploration. Themes include technology and ideology, technology and the state (with a focus on railroads and public works), technology and

Don't overlook the meetings announced in the July 1984 *Newsletter* under "Calls for Papers," pages 6–8: the **American Association for the Advancement of Science** in Los Angeles, 24–29 May 1985; the **American Association for the History of Medicine** in Durham, North Carolina, 15–18 May 1985; the **Midwest Victorian Studies Association** in Chicago, 26–27 April 1985; the **Missouri Valley History Conference** at the University of Nebraska in Omaha, 7–9 March 1985; the **National Council on Public History** in Phoenix, 25–27 April 1985; and the First Conference on **Philosophy in the Americas** at the National University of Mexico in Mexico City, 8–11 January 1985.

engineering education, nineteenth-century American technology, and technology in traditional societies. Sessions on corporate chemical history, the technical history of mass communications, museums and the "black box" of modern technology, labor conflict in the textile and auto industries during the Depression, and popular culture and technology in twentieth-century America explore the relationships between the history of technology and such specialties as business history, labor history, and media, material culture, and popular culture studies. Several other sessions focus on the twentieth century, emphasizing such topics as organizations and technological change, engineering as a profession, the evolution of the Route 128 complex, innovations in aerospace history, and developments in food processing.

For registration materials and a summary program, contact Ms. Gayle Fitzgerald, Campus Information Services, Room 7-111, MIT, Cambridge, MA 02139.

October 1984 Meetings

A symposium on eighteenth-century theories of the earth entitled "**The Enlightenment and Earth History**" was sponsored by **Linda Hall Library**, Kansas City, Missouri, 12–13 October 1984. The symposium was held in conjunction with the opening of the exhibit "Theories of the Earth, 1644–1830: The History of a Genre." Views of eighteenth-century continental geologists on the origin, age, and evolution of the earth and its features were discussed by Jacques Roger (University of Paris), Rhoda Rappaport (Vassar College), Kenneth L. Taylor (University of Oklahoma), Kennard B. Bork (Denison College), Cecil J. Schneer (University of New Hampshire), and William B. Ashworth (University of Missouri–Kansas City).

The **Social Science History Association** is meeting 24–28 October 1984 at the Ontario Institute of Education in Toronto. Two recent books by HSS members are topics of roundtable discussions: Ronald C. Tobey's *Saving the Prairies* (California Press, 1981), and Margaret Rossiter's *Women Scientists in America* (John Hopkins, 1982).

Awards & Honors

Andrew J. Butrica, a doctoral candidate at Iowa State University, has won a fellowship from the Institute of Electrical and Electronics Engineers to pursue research in France on French telegraphic technology in the nineteenth century. He has also received a National Science Foundation dissertation grant.

Maurice Crosland, Professor of History of Science at the University of Kent, Canterbury, England, received the 1984 Dexter Award in the History of Chemistry. The award relates particularly to Crosland's *Historical Studies in the Language of Chemistry* (2nd ed., Dover, 1978), various studies relating to the "chemical revolution" of the eighteenth century, and his biography of the French scientist Gay-Lussac. The award of \$1,000 and a plaque was made by the Division of the History of Chemistry of the American Chemical Society, and will be presented at a ceremony in London on 1 December 1984.

Jeffrey K. Stine, formerly a Fellow at the Joseph Henry Papers, Washington, DC, was awarded one of three Congressional Fellowships by the American Historical Association for the 1984-1985 academic year. He also won the Forest History Society's Weyerhaeuser Award for the best article published in the *Journal of Forest History* in 1983. The winning article, "Regulating Wetlands in the 1970s: U.S. Army Corps of Engineers and the Environmental Organizations," appeared in the April 1983 issue.



The first presentation of the Sarton Medal: Lynn Thorndike, George Sarton, and Dorothy Stimson, Washington, DC, 29 December 1955. Courtesy of the Burndy Library.

Rockefeller University has made grants-in-aid to the following twenty-five scholars engaged in projects that require use of the holdings of the Rockefeller Archive Center: Finn Aaserud, Johns Hopkins University; Theodore M. Brown, University of Rochester; Yung-chen Chiang, Harvard University; Adele E. Clarke, University of California, San Francisco; Leroy Davis, Morehouse College; Donald Fisher, University of British Columbia; Giuliana Gemelli, University of Bologna; Janet Lynne Golden, College of Physicians of Philadelphia; William J. Haas, Harvard University; John M. Hefron, University of Rochester; Elizabeth L. Ihle, James Madison University; Lily E.

Kay, Johns Hopkins University; Alejandra C. Laszlo, University of Pennsylvania; Earlene C. Leijonhufvud, California State University, Northridge; August Meier, Kent State University; Jesus Mendez, Barry University; Dennis J. Merrill, University of Connecticut; Peter Kong-ming New, University of South Florida; Jack D. Pressman, University of Pennsylvania; David J. Rhees, University of Pennsylvania; Elliott Rudwick, Kent State University; Lawrence H. Schwartz, Montclair State College; Sarah J. Stage, University of California, Riverside; Charles Vincent, Southern University; Barry H. Westfall, Baylor University.

Appointments & Promotions

Jan Sapp has been appointed a Lecturer in the Department of History and Philosophy of Science of the University of Melbourne, Parkville, Victoria, Australia.

Bruce Sinclair, a professor at the Institute for the History and Philosophy of Science and Technology at the University of Toronto, has been appointed Andrew W.

Mellon Foundation Senior Research Fellow at the American Philosophical Society (APS) for 1984-1985. Professor Sinclair is writing a series of essays on the general theme of American ideas about technology during the years 1870-1970. During his tenure as a Mellon Fellow, he will also organize a colloquium in the spring of 1985 at the APS on the theme of his research.

Jeffrey L. Sturchio has been appointed Associate Director of the Center for History

of Chemistry (CHOC) at the University of Pennsylvania as of 1 September 1984. Prior to joining CHOC, Dr. Sturchio had been Assistant Professor of History at the New Jersey Institute of Technology, Visiting Assistant Editor with the Thomas A. Edison Papers at Rutgers University, and a Fellow at the Smithsonian Institution's National Museum of American History. In his new position, Dr. Sturchio will assume responsibility for day-to-day operation of the Center while continuing to edit *CHOC News*.

Niels Bohr Centennial



The centennial of the birth of Niels Bohr occurs 7 October 1985, and many projects are underway to mark the occasion. The American Institute of Physics's Center for History of Physics (AIPCHP) plans to publish a catalogue of all the manuscript holdings in its Niels Bohr Library. The AIPCHP has also made special efforts to acquire Bohr photographs, and its file currently contains over 200 pictures. Full sets of photocopies of these photographs, along with an itemized catalogue indicating where prints may be obtained, are now available on a loan basis.

The International Commission on Physics Education will produce a book, edited by A. P. French and P. J. Kennedy, containing articles by Bohr scholars and Bohr's friends and colleagues. Several other books and a film are underway in Denmark, and a permanent Niels Bohr Archives at the Bohr Institute in Copenhagen may be opened on his birthday. A memorial exhibition will be held at the Copenhagen Town Hall during 9-22 September 1985.

Organizations planning conferences include the American Academy of Arts & Sciences ("The Lesson of Quantum Theory," Niels Bohr Institute, 4-9 October 1985), and the University of Copenhagen (nuclear disarmament and Bohr's Open Letter to the United Nations, September 1985).

Do You Know Someone Interested in the History of Science?

We need your help to keep up the History of Science Society's exciting growth. By providing us with the names of colleagues, friends, or associates who you think would enjoy the benefits of society membership, you can help us keep down the costs of membership and of subscription to *Isis*. New membership nominations by current members are one of the most effective ways for us to increase our size and spread the costs of operating the society.

As you know, new members will receive *Isis*, with its articles, essays, and over 200 book reviews each year. In addition, they will receive the quarterly *Newsletter* of the society, the annual *Critical Bibliography* with over 2500 citations in the history of science and its cultural influences, and the triennial *Isis Guide to the History of Science*.

Please fill out the form at the bottom of this sheet with as many names and addresses of nominees as you can. Look among your colleagues, academic associates, students, and other associates for the names of those who should be invited to join with us. Mail this sheet to the Membership Office, History of Science Society, 215 South 34th Street/D6, Philadelphia, PA 19104. We will then send your nominees a description of the History of Science Society and invite them to join.

Please help us increase the society's ability to serve you. Nominate new members and provide a larger base for the society's representation of the history of science community. Send in the form today.

Name _____

Address _____

City _____ State _____ Zip _____

Name _____

Address _____

City _____ State _____ Zip _____

Name _____

Address _____

City _____ State _____ Zip _____

PUBLICATIONS

Historical Events and People in Geosciences, edited by Wilfried Schröder and containing the proceedings of a symposium of that name sponsored by the International Association of Aeronomy and Geomagnetism in 1983, will be published November 1984 by the Peter Lang-Verlag, Jupiterstrasse 15, CH-3015 Bern, Switzerland. The symposium reflected current research in the history of the geosciences from the eighteenth to the twentieth century.

For a brochure on the founding of the **Jefferson Physical Laboratory at Harvard University** (see July 1984 *HSS Newsletter*, page 10), write Joan Laws, 358 Jefferson Laboratory, Harvard University, Cambridge, MA 02138.

The **National Library of Medicine (NLM)** has just published a thirty-page pamphlet entitled "**Highlights in the Development of Medical History in the United States**," prepared by James H. Cassidy. The pamphlet is a compilation of the captions and other textual material from an exhibit shown at NLM in 1982. Single copies are available without charge to libraries, teaching departments, and individual scholars. Address requests to Chief, History of Medicine Division, NLM, 8600 Rockville Pike, Bethesda, MD 20209.

Archives

Yale University announces that the **Trigant Burrow Papers** and the **Robert Mearns Yerkes Papers** have been processed and are now available to researchers. Since Burrow is considered the founder of group psychoanalysis, and Yerkes is famous for his psychological testing during World War I and research on the behavior of anthropoid apes, their papers should be of particular interest to historians of psychiatry, psychoanalysis, and psychology. Copies of finding aids for the Burrow and Yerkes Papers are available for \$12 each. To order one, or for further information on the use of the collections, write to Manuscripts and Archives, Yale University Library, Box 1603A Yale Station, New Haven, CT 06520.

Books Received by *Isis* June–August 1984

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.

Peter Achinstein (Editor). *The Concept of Evidence*. (Oxford Readings in Philosophy.) 182 pp., bibl., index. London/Glasgow/New York, 1983. \$7.95 (paper).

[**Ali ibn Riḍwān**.] *Le Livre de la méthode du médecin de 'Ali b. Riḍwān (998–1067)*. Arabic text edited and translated with commentary by **Jacques Grand'Henry**. Volume II: *Diagnostic—Glossaire*. (Publications de l'Institut Orientaliste de Louvain, 31.) viii + 188 pp., bibl. Louvain-la-Neuve, Belgium: Institut Orientaliste de l'Université Catholique de Louvain, 1984. (Distributed by Editions Peeters, Grand'rue 56, B-1348, Louvain-la-Neuve.) BF 1600 (paper).

———. *Medieval Islamic Medicine: Ibn Riḍwān's Treatise "On the Prevention of Bodily Ills in Egypt"*. Arabic text edited by **Adil S. Gamal**. Translated with an introduction by **Michael W. Dols**. (Comparative Studies of Health Systems and Medical Care.) xv + 186 pp., figs., app., bibl., indexes. Berkeley/Los Angeles/London: University of California Press, 1984. \$35.

Aristotle. *The Complete Works of Aristotle: The Revised Oxford Translation*. Edited by **Jonathan Barnes**. (Bollingen Series, LXXI:2.) 2 vols. xxi + 2497 pp., indexes. Princeton, N.J./Guildford, Surrey: Princeton University Press, 1984. \$75.

Elizabeth Asmis. *Epicurus' Scientific Method*. (Cornell Studies in Classical Philology, 42.) 385 pp., app., bibl., indexes. Ithaca, N.Y./London: Cornell University Press, 1984. \$49.50.

The Atom. 2 parts. Part I: *How We Found Out about Atoms*. 20 min. Part II: *What is an Atom?* 18 min. *Evolution*. 2 parts. Part I: *Anaximander to Darwin and Beyond*. 22 min. Part II: *Evolution by Natural Selection Today*. 20 min. *The Expanding Universe*. 2 parts. Part I: *How We Know about the Universe*. 22 min. Part II: *What We Know about the Universe*. 18 min.

Written and photographed by **Bill Stonebarger**. Music by **Michael Stonebarger**. With the consultation of the History of Science Department, University of Wisconsin—Madison. (Time, Space, & Spirit—12 Keys to Scientific Literacy.) Includes teacher's guide and bibliography. Madison, Wis.: Hawkhill Associates, 1984. \$129 (VHS, Beta, or 3/4" U-matic video-cassette); \$79 (sound-filmstrips).

Hervé Barreau (Editor). *L'explication dans les sciences de la vie*. (Fondements des sciences, Université Louis-Pasteur, Strasbourg I, 265.) 258 pp., figs., bibl. Paris: Editions du Centre National de la Recherche Scientifique, 1983. Fr 90 (paper).

Mary Catherine Bateson. *With a Daughter's Eye: A Memoir of Margaret Mead and Gregory Bateson*. 244 pp., illus., index. New York: William Morrow, 1984. \$15.95.

Henry Bauer. *Beyond Velikovsky: The History of a Public Controversy*. xiii + 346 pp., figs., bibl., index. Urbana/Chicago: University of Illinois Press, 1984. \$19.95.

Isaac Benguigui. *Théories électriques du XVIII^e siècle: Correspondance entre l'abbé Nollet (1700–1770) et le physicien genevois Jean Jallabert (1712–1768)*. 234 pp., index. Geneva: Georg Editeur, 1984.

Henri Bergson. *Creative Evolution*. Translated by **Arthur Mitchell**. Introduction by **Peter A. Y. Gunter**. li + 407 pp., bibl., index. Lanham, Md.: University Press of America, 1983. \$12.75 (paper). (Reprint of 1911 edition, Henry Holt, Boston.)

Bernard Beugnot; Jean-Claude Guédon (Editors). *Le texte scientifique*. (Etudes françaises, 19, 2.) 133 pp., illus., bibl. Montréal: Les Presses de l'Université de Montréal, 1983. \$6 (paper).

F. Bevilacqua; P. J. Kennedy (Editors). *Using History of Physics in Innovative Physics Education*. (Proceedings of the International Conference, Pavia, Italy, 1983.) 329 pp., figs., app. Pavia: Centro Studi per la Didattica della Facoltà di Scienze Matematiche, Fisiche e Naturali, Università di Pavia, for the International Commission on Physics Education, 1983. \$10 (paper).

Kurt R. Biermann; Ilse Jahn; Fritz G. Lange (Editors). *Alexander von Humboldt: Chronologische Übersicht über wichtige Daten seines Lebens*. (Beiträge zur Alexander-von-Humboldt-Forschung, 1.) 94 pp., indexes. Berlin: Akademie Verlag, 1983. DM 39 (paper).

Mary Biggs (Editor). *Publishers and Librarians: A Foundation for Dialogue*. (Proceedings of the Forty-second Conference of the Graduate Library School, University of Chicago, 13–15 May 1983.) 106 pp., figs., bibl. Chicago/London: University of Chicago Press, 1984. \$12 (cloth); \$5 (paper).

Roger E. Bilstein. *Flight in America, 1900–1983: From the Wrights to the Astronauts*. xii

+ 356 pp., illus., bibl., index. Baltimore/London: The Johns Hopkins University Press, 1984. \$27.50 through 31 March 1985; thereafter \$32.50.

James H. Bix. *Theories of Evolution*. xiv + 417 pp., illus., bibl., index. Springfield, Ill.: Charles C. Thomas, 1984. \$39.50.

Peter J. Bowler. *Evolution: The History of an Idea*. xiv + 412 pp., figs., bibl., index. Berkeley/Los Angeles/London: University of California Press, 1984. \$29.95.

Stephen G. Brush; Lanfranco Belloni (Compilers). *The History of Modern Physics: An International Bibliography*. [Bibliographies of the History of Science and Technology, 4.] [Garland Reference Library of the Humanities, 420.] xix + 334 pp., bibl., indexes. New York/London: Garland, 1983. \$38.

Robert E. Butts. *Kant and the Double Government Methodology: Supersensibility and Method in Kant's Philosophy of Science*. [The University of Western Ontario Series in Philosophy of Science, 24.] xvi + 339 pp., bibl., index. Dordrecht/Boston/Lancaster: D. Reidel, 1984. Dfl 115; \$43.

Cheshire Calhoun; Robert C. Solomon (Editors). *What Is an Emotion? Classical Readings in Philosophical Psychology*. ix + 358 pp., bibl. New York/Oxford: Oxford University Press, 1984. \$24.95 [cloth]; \$10.95 [paper].

Malcolm J. Cameron. *Heritage Mathematics*. 145 pp., illus., app., bibl., indexes. North Melbourne, Victoria, Australia: Hargren Publishing, 1983.

Douglas M. Campbell; John C. Higgins (Editors). *Mathematics: People, Problems, Results*. 3 vols. xxiv + 871 pp., illus., apps., bibls. Belmont, Calif.: Wadsworth International, 1984. \$39.95 [cloth]; \$27.95 [paper].

Center for Photographic Images of Medicine and Health Care. *Illustrated Catalogue of the Slide Archive of Historical Medical Photographs at Stony Brook*. Compiled by Rima D. Apple. xi + 442 pp., illus., apps., bibl., indexes. Westport, Conn./London: Greenwood Press, 1984. \$55.

S. Chandrasekhar. *Eddington: The Most Distinguished Astrophysicist of His Time*. 68 pp., illus., bibl., index. Cambridge/London/New York: Cambridge University Press, 1983. \$12.50.

Gale E. Christianson. *In the Presence of the Creator: Isaac Newton and His Times*. xv + 623 pp., illus., index. New York: The Free Press; London: Collier Macmillan, 1984. \$27.50.

H. F. Cohen. *Quantifying Music: The Science of Music at the First Stage of the Scientific Revolution, 1580-1650*. [The University of Western Ontario Series in Philosophy of Science, 23.] xvii + 308 pp., illus., bibl., index. Dordrecht/Boston/Lancaster: D. Reidel, 1984. Dfl 145; \$54.50.

R. S. Cohen; M. W. Wartofsky (Editors). *Physical Sciences and History of Physics*. (Boston Studies in the Philosophy of Science, 82.) ix + 259 pp., figs., bibls., index. Dordrecht/Boston/London: D. Reidel, 1984. Dfl 105; \$39.

W. David Compton; Charles D. Benson. *Living and Working in Space: A History of Skylab*. (The NASA History Series.) xiii + 449 pp., illus., apps., index. Washington, D.C.: National Aeronautics and Space Administration, Scientific and Technical Information Branch, 1984. (Distributed by the Superintendent of Documents, Government Printing Office, Washington, D.C.) \$20.

Tess Cosslett (Editor). *Science and Religion in the Nineteenth Century*. [Cambridge English Prose Texts.] vi + 249 pp., bibl., index. Cambridge/London/New York: Cambridge University Press, 1984. \$39.50 [cloth]; \$14.95 [paper].

Isabel Shipley Cunningham. *Frank N. Meyer: Plant Hunter in Asia*. xviii + 317 pp., illus. Ames: Iowa State University Press, 1984. \$29.95.

Charles Darwin. *The Structure and Distribution of Coral Reefs*. Foreword by Michael T. Ghiselin. xii + 215 pp., illus., bibl., app., index. Tucson, Ariz.: University of Arizona Press, 1984. \$7.95 [paper]. (Originally published in 1962 by University of California Press, Berkeley.)

Adrian Desmond. *Archetypes and Ancestors: Palaeontology in Victorian London 1850-1875*. 287 pp., illus., bibl., index. Chicago/London: University of Chicago Press, 1984. \$22.50. (Originally published in 1982 by Blond & Briggs, London.)

Kenneth Dewhurst. *Hughlings Jackson on Psychiatry*. xi + 169 pp., bibl., index. Oxford, U.K.: Sandford Publications, 1983. £9.

Judith A. Diment; Christopher J. Humphries; Linda Newington; Elaine Shaughnessy. *Catalogue of the Natural History Drawings Commissioned by Joseph Banks on the "Endeavour" Voyage 1768-1771 held in the British Museum (Natural History)*. Part I: Botany: Australia. 183 pp., illus., bibl., indexes. [Bulletin of the British Museum (Natural History), Historical Series, 11.] London: British Museum (Natural History), 1984. £30 [paper].

George Frederick Drinka. *The Birth of Neurosis: Myth, Malady and the Victorians*. 431 pp., illus., bibl., index. New York: Simon & Schuster, 1984. \$21.95.

E. Dudich (Editor). *Contributions to the History of Geological Mapping*. Foreword by J. Fulop. [Proceedings of the Xth INHIGEO Symposium, Budapest, 1982.] xiv + 442 pp., illus., bibls., index. Budapest: Akademiai Kiado, 1984. \$34.

Edith Efron. *The Apocalyptic: Cancer and the Big Lie: How Environmental Politics Controls What We Know about Cancer*. 589 pp., figs., apps., bibls., index. New York: Simon & Schuster, 1984. \$19.95.

Mordechai Feingold. *The Mathematicians' Apprenticeship: Science, Universities and Society in England, 1560-1640*. viii + 248 pp., bibl., index. Cambridge/London/New York: Cambridge University Press, 1984.

John F. Fleetwood. *The History of Medicine in Ireland*. Forewords by William Doolin and J. B. Lyon. xii + 373 pp., illus., app., bibl., index. Second edition. Dublin: The Skelling Press, 1983. (Originally published in 1951.)

William Lloyd Fox. *Dandy of Johns Hopkins*. xii + 293 pp., illus., app., bibl., index. Baltimore/London: Williams & Wilkins, for the Congress of Neurological Surgeons, 1984.

Frans P. M. Francissen; Ad W. M. Mol. *Augerius Clutius and His "De Hemerobio," An Early Work on Ephemeroptera*. Foreword by Armin Geus. 128 pp., illus., index. Marburg: Basiliskenspresse, 1984. DM 38 [paper].

Ole Immanuel Franksen. *Mr. Babbage's Secret: The Tale of a Cypher — and APL*. Foreword by H. H. Goldstine. 318 pp., illus., apps. Birkerød, Den.: Strandbergs Forlag, 1984. DKr 320.

Albert Frey-Wyssling. *Lehre und Forschung: Autobiographische Erinnerungen*. Foreword by Peter Sitte. [Grosse Naturforscher, 44.] 192 pp., illus., bibl., index. Stuttgart: Wissenschaftliche Verlagsgesellschaft, 1984. DM 39.

Galen. *Galen on Respiration and the Arteries: An Edition, with English Translation and Commentary, of "De usa respirationis," "An in arteriis natura sanguis continetur," "De usa pulsuum," and "De causis respirationis"*. Edited and translated by David J. Furley and J. S. Wilkie. vi + 289 pp., bibl., indexes. Text in Greek and English, commentary in English. Princeton, N.J./Guildford, Surrey, U.K.: Princeton University Press, 1984. \$30.

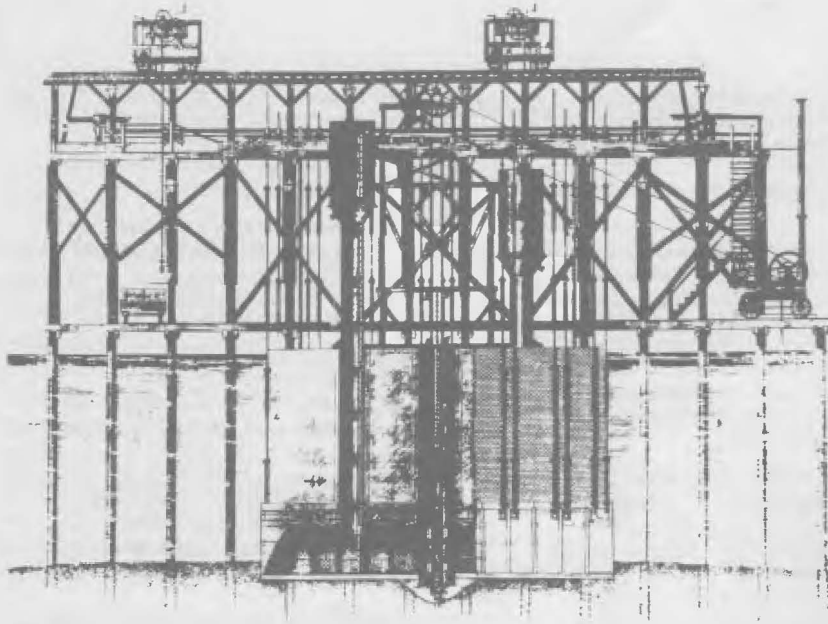
Luis García Ballester. *Los Moriscos y la medicina: Un capítulo de la medicina y la ciencia marginadas en la España del siglo XVI*. [Labor Universitaria Monografías.] 256 pp., bibl., index. Barcelona: Editorial Labor, 1984 [paper].

Gerald L. Geison (Editor). *Professions and the French State, 1700-1900*. x + 319 pp., figs., index. Philadelphia: University of Pennsylvania Press, 1984. \$35.

Walther Gerlach; Dietrich Hahn. *Otto Hahn (1879-1969): Ein Forscherleben unserer Zeit*. [Grosse Naturforscher, 45.] 267 pp., illus., bibls., index. Stuttgart: Wissenschaftliche Verlagsgesellschaft, 1984. DM 39.

G. Nigel Gilbert; Michael Mulkay. *Opening Pandora's Box: A Sociological Analysis of Scientists' Discourse*. viii + 202 pp., bibl., index. Cambridge/London/New York: Cambridge University Press, 1984. \$37.50 [cloth]; \$12.95 [paper].

Etienne Gilson. *From Aristotle to Darwin and Back Again: A Journey in Final Causality, Species, and Evolution*. Translated by John Lyon. Introduction by Stanley L. Jaki. xx + 209 pp., apps., indexes. Notre Dame, Ind.:



Loeffler's pneumatic caissons for the Pregel Bridge at Königsberg (ca. 1886). From Margaret Latimer, Brook Hindle, and Melvin Kranzberg (eds.), *Bridge to the Future*.

University of Notre Dame Press, 1984. \$22.95. (Originally published as *D'Aristotle à Darwin* in 1971 by J. Vrin, Paris.)

Danielle Gourevitch. *Le mal d'être femme: La femme et la médecine dans la Rome antique.* (Realia.) 276 + 22 pp., illus., apps., indexes. Paris: Société d'Édition "Les Belles Lettres," 1984. Fr 125 (paper).

_____. *Le triangle hippocratique dans le monde gréco-romain: Le malade, sa maladie et son médecin.* (Bibliothèque des Ecoles Françaises d'Athènes et de Rome, 251.) 569 pp., figs., bibl., indexes. Rome: Ecole Française de Rome, Palais Farnese, 1984. (Distributed in France by Boccard, Paris, and in Italy by L'Erma di Bretschneider, Rome.)

Edward Grant. *In Defense of the Earth's Centrality and Immobility: Scholastic Reaction to Copernicanism in the Seventeenth Century.* (Transactions of the American Philosophical Society, 74, 4.) 69 pp., index. Philadelphia: American Philosophical Society, 1984. \$10 (paper).

Donald K. Grayson. *The Establishment of Human Antiquity.* x + 262 pp., illus., bibl., index. New York / London / Paris: Academic Press, 1983. \$29.50.

Groupement de Recherches Coordonnées No. 16, Centre National de la Recherche Scientifique. *Documents pour l'histoire du vocabulaire scientifique.* Number 2. Foreword by Jacques Roger. Introduction by Marie-Elisabeth Duchez. 155 pp., indexes in French, Latin, and Greek. Number 4. 125 pp., bibl., app., indexes in French, Latin and Greek. (Histoire du Vocabulaire Scientifique.) Paris: Publications de l'Institut de la Langue Française, 1981, 1983 (paper).

Martin Guntau. *Die Genesis der Geologie als Wissenschaft: Studie zu den kognitiven Prozessen und gesellschaftlichen Bedingungen bei der Herausbildung der Geologie als naturwissenschaftliche Disziplin an der Wende vom 18. zum 19. Jahrhundert.* (Schriftenreihe für Geologische Wissenschaften, 22.) 131 pp., bibl., index. Berlin: Akademie Verlag, 1984. DM 27 (paper).

Kenneth Hafertepe. *America's Castle: The Evolution of the Smithsonian Building and Its Institution, 1840-1878.* Foreword by James M. Goode. xxiii + 180 pp., illus., bibl., index. Washington, D.C.: Smithsonian Institution Press, 1984. \$19.95.

Elisabeth Heisenberg. *Inner Exile: Recollections of a Life with Werner Heisenberg.* Translated by S. Cappellari and C. Morris. Introduction by Victor Weisskopf. xvii + 170 pp., illus., app. \$24.95. (Originally published as *Das politische Leben eines Unpolitischen — Erinnerungen an Werner Heisenberg* by R. Piper & Co., Munich, 1980.)

John Hendry. *The Creation of Quantum Mechanics and the Bohr-Pauli Dialogue.* (Studies in the History of Modern Science, 14.) xi + 177 pp., figs., bibl., index. Dordrecht / Boston / Lancaster: D. Reidel, 1984. Dfl 95; \$34.50.

Carol E. Hoffecker. *Corporate Capital: Wilmington in the Twentieth Century.* vii + 294 pp., illus., index. Philadelphia: Temple University Press, 1983. \$24.95.

David Hothersall. *History of Psychology.* xx + 456 pp., illus., bibl., indexes. Philadelphia: Temple University Press, 1984. \$34.95.

Lydia Icke-Schwalbe. *Die Munda und Oraon in Chota Nagpur: Geschichte, Wirtschaft und Gesellschaft.* (Abhandlungen und Berichte des Staatlichen Museums für Völkerkunde Dresden. Forschungsstelle, 40, 6.) 200 pp. + 130 plates, illus., apps., bibl., summary in English. Berlin: Akademie Verlag, 1983.

Institute of Electrical and Electronic Engineers. *A Century of Honors: The First One-Hundred Years of Award Winners, Honorary Members, Past Presidents, and Fellows of the Institute.* Foreword by Richard J. Gowen, ix + 445 pp. New York: IEEE Press, 1984. \$39.

James Israel. *James Israel (1848-1926) von Peter Bloch, James Israel, Fritz Schultze-Seemann.* Edited by Rolf Winau. (Beiträge zur Geschichte der Wissenschaft und der Technik, 18.) 256 pp., illus., bibl. Wiesbaden: Franz Steiner Verlag, 1983. DM 48 (paper).

Paul R. Jones (Compiler). *Bibliographie der Dissertationen amerikanischer und britischer Chemiker an deutschen Universitäten, 1840-1914.* (Veröffentlichungen des Forschungsinstituts des Deutschen Museums für die Geschichte der Naturwissenschaften und der Technik.) 74 pp. Munich: Forschungsinstitut des Deutschen Museums, 1983 (paper).

Makoto Kageyama; Keiko Nakamura; Tairo Oshima; Tsuneko Uchida (Editors). *Science and Scientists: Essays by Biochemists, Biologists, and Chemists.* xv + 454 pp., illus., bibl., index. Tokyo: Japan Societies Press, 1981. Dordrecht / Boston / Lancaster: D. Reidel, 1982. (Distributed in North America by Kluwer Boston, Inc.) Dfl 155; \$59.50.

George B. Kauffman; H. Harry Szmant (Editors). *The Central Science: Essays on the Uses of Chemistry.* Introduction by Glenn T. Seaborg. xiii + 181 pp., illus., bibl. Fort Worth: Texas Christian University Press, 1984. \$15.

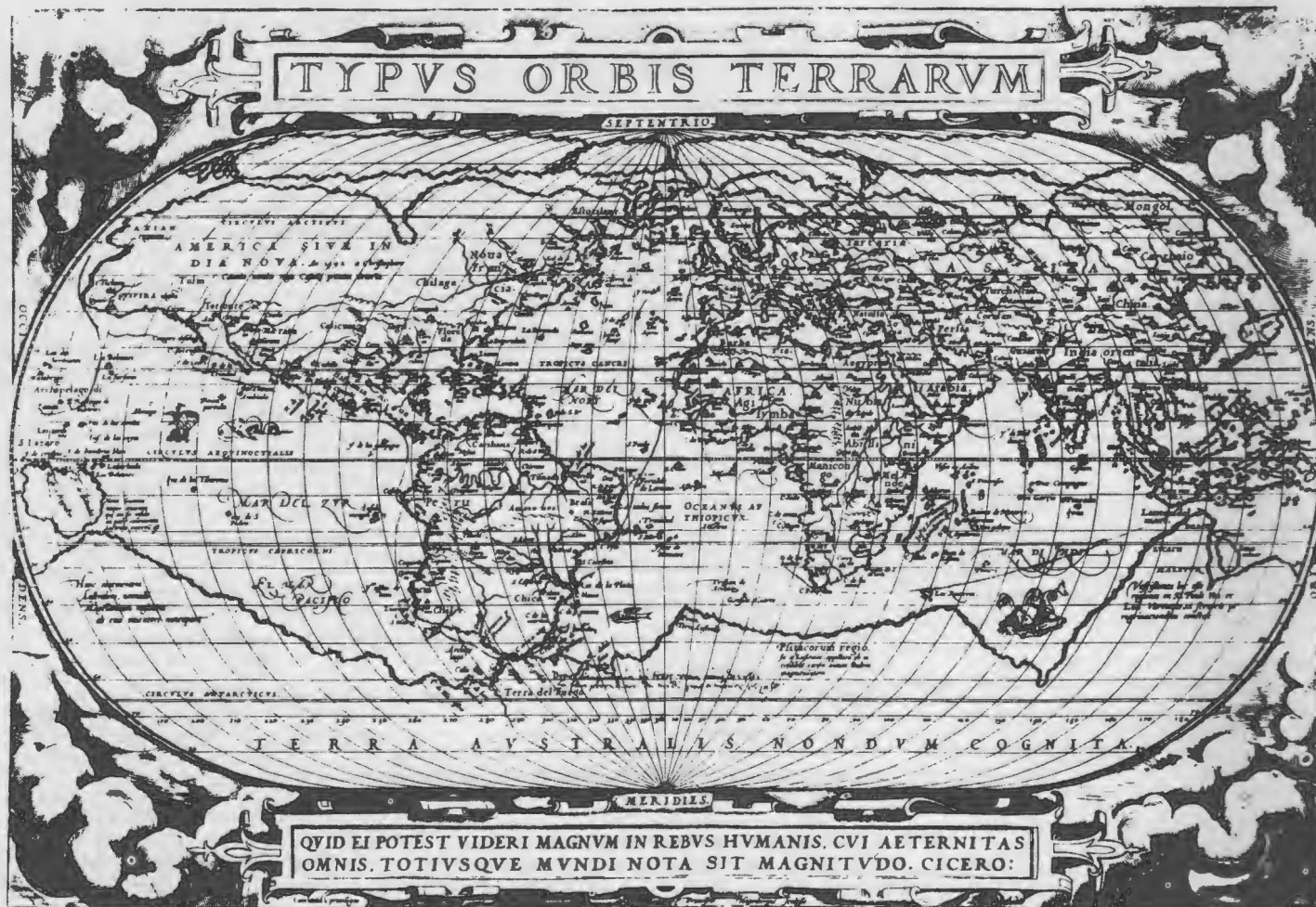
Wolfgang Kaunzner. *Über die mittelalterlichen mathematischen Handschriften der Staats- und Stadtbibliothek Augsburg.* (Veröffentlichungen des Forschungsinstituts des Deutschen Museums für die Geschichte der Naturwissenschaften und der Technik.) 75 pp., illus., indexes. Munich: Forschungsinstitut des Deutschen Museums, 1983 (paper).

Kenneth D. Keele. *Leonardo da Vinci's Elements of the Sciences of Man.* xi + 385 pp., illus., index. New York / London / San Diego: Academic Press, 1983. \$90.

Gerald Killan. *David Boyle: From Artisan to Archaeologist.* Foreword by William C. Noble. xvii + 276 pp., illus., index. Toronto / Buffalo / London: University of Toronto Press, for the Ontario Heritage Foundation, 1983. \$35 (cloth); \$14.95 (paper).

Lester S. King. *American Medicine Comes of Age, 1840-1920: Essays to Commemorate the Founding of The Journal of the American Medical Association, July 18, 1883.* Preface by George D. Lundberg. 115 pp., bibl. Chicago: American Medical Association, 1984. \$9.95 (paper).

- Peter K. Knoefel.** *Felice Fontana: Life and Works.* (Studi su Felice Fontana, 2.) xix + 422 pp., illus., app., bibl., indexes. Trento, Italy: Società di Studi Trentini di Scienze Storiche, 1984. L 30,000 (paper).
- Walther Kraus.** *Aus allem eines: Studien zur antiken Geistesgeschichte.* Edited by **Hubert Petersmann.** 485 pp., bibl., indexes. Heidelberg: Lothar Stiehm Verlag, 1984.
- Harlan Lane** (Editor). *The Deaf Experience: Classics in Language and Education.* Translated by **Franklin Philip.** ix + 221 pp., illus., bibl., index. Cambridge, Mass. / London: Harvard University Press, 1984. \$20.
- Margaret Latimer; Brooke Hindle; Melvin Kranzberg** (Editors). *Bridge to the Future: A Centennial Celebration of the Brooklyn Bridge.* (Based on papers presented at a conference sponsored by the Brooklyn Rediscovery of the Brooklyn Educational and Cultural Alliance and the New York Academy of Sciences, New York, 1983.) (Annals of the New York Academy of Sciences, 424.) xiv + 355 pp., illus., indexes. New York: New York Academy of Sciences, 1984. \$75 (paper).
- Rachel Laudan** (Editor). *The Nature of Technological Knowledge: Ate Models of Scientific Change Relevant!* (Sociology of the Sciences Monographs.) vii + 145 pp., index. Dordrecht / Boston / Lancaster: D. Reidel, 1984. Dfl 65; \$24.95.
- Prudence Leith-Ross.** *The John Thadescants: Gardeners to the Rose and Lily Queen.* 320 pp., illus., apps., bibl., index. London: Peter Owen, 1984. (Distributed in the U.K. by Yorkville, Oxford, and in the U.S. by Kapitan Szabo, Washington, D.C.) \$35.
- Carter Litchfield; Hans-Joachim Finke; Stephen G. Young; Kraen Zerbe Huetter.** *The Bethlehem Oil Mill 1745-1934 (Oil Mill, Hemp Mill, Tanbark Mill, Groat Mill, Snuff Mill, Waterworks): German Technology in Early Pennsylvania.* 127 pp., illus., app., index. Kemblesville, Penn.: Olearius Editions, 1984. \$22.50
- "Livres des simples medecines," Codex Bruxellensis IV 1024: A Fifteenth-Century French Herbal. Introduction and adapted text by **Carmelia Opsomer.** English translation by **Enid Roberts** and **William T. Stern.** Commentaries by **Carmelia Opsomer** and **William T. Stern.** 2 vols., 293 pp. + 432 pp. facsimile, illus., bibl., indexes. Limited edition. Antwerp: De Schutter, 1984. (Distributed in the U.S. by Jeremy Norman & Co., San Francisco, Calif.) BF 24,000; \$500. (Commentary text available in French or English.)
- Tom Logsdon.** *The Robot Revolution.* Illustrated by **Ed Roman.** 207 pp., illus., apps., bibl., index. New York: Simon & Schuster, 1984. \$8.95 (paper).
- Maurice Mandelbaum.** *Philosophy, History, and the Sciences: Selected Critical Essays.* x + 326 pp., index. Baltimore / London: Johns Hopkins University Press, 1984. \$28.50.
- John Marks.** *Science and the Making of the Modern World.* Foreword by **Mary Hesse.** xiii + 507 pp., illus., bibl., index. London: Heinemann Educational Books, 1983. \$25.
- F. W. J. McCosh.** *Boussingault: Chemist and Agriculturist.* (Chemists and Chemistry.) xv + 280 pp., illus., apps., bibl., indexes. Dordrecht / Boston / Lancaster: D. Reidel, 1984. Dfl 140; \$53.50.
- Christoph Meinel.** *Der handschriftlichen Nachlass von Joachim Jungius in der Staats- und Universitätsbibliothek Hamburg Katalog.* (Katalog der Handschriften der Staats- und Universitätsbibliothek Hamburg, 9.) xxxviii + 154 pp., bibl., indexes. Stuttgart: Dr. Ernst Hauswedell & Co., 1984. DM 180.
- Uta C. Merzbach** (Compiler). *Carl Friedrich Gauss: A Bibliography.* xxv + 551 pp., bibl. Wilmington, Del.: Scholarly Resources, Inc., 1984. \$95.
- Ashley Montague** (Editor). *Science and Creationism.* Foreword by **Roger Lewin.** xvii + 415 pp., figs., bibl. Oxford / New York / Toronto: Oxford University Press, 1984. \$9.95 (paper).
- Paul Moraux.** *Der Aristotelismus im I. und II. Jahrhundert nach Christus.* Volume II: *Der Aristotelismus bei den Griechen: Von Andronikos bis Alexander von Aphrodisias.* (Periratoi, 6.) 2 vols. xxx + 825 pp., bibl., indexes. Berlin / New York: Walter de Gruyter, 1984. DM 468; \$213.20.
- Henry M. Morris.** *History of Modern Creationism.* Foreword by **John C. Whitcomb.** 382 pp., illus., apps., bibl., indexes. San Diego, Calif.: Master Book Publishers, 1984 (paper).
- John E. Murdoch.** *Album of Science: Antiquity and the Middle Ages.* Foreword by **I. Bernard Cohen.** (Album of Science.) xii + 403 pp., illus., bibl., index. New York: Charles Scribner's Sons, 1984. \$55.
- Joseph Needham.** *Science and Civilisation in China.* Volume VI: *Biology and Biological Technology.* Part 2: *Agriculture,* by **Francesca Bray.** xxvii + 724 pp., illus., bibl., index. Cambridge / London / New York: Cambridge University Press, 1984. \$99.50.
- Dorothy Nelkin; Michael S. Brown.** *Workers at Risk: Voices from the Workplace.* xvii + 220 pp., apps., bibl. Chicago / London: University of Chicago Press, 1984. \$20.
- Isaac Newton.** *The Optical Papers of Isaac Newton.* Edited by **Alan E. Shapiro.** Volume I: *The Optical Lectures, 1670-1672.* xix + 627 pp., illus., bibl., index. Cambridge / London / New York: Cambridge University Press, 1983. \$135.
- David E. Nye.** *The Invented Self: An Anti-biography, from Documents of Thomas A. Edison.* (Odense University Studies in English, 7.) 229 pp., illus., index. Odense, Den.: Odense University Press, 1983. DKr 100 (paper).
- Robert A. Nye.** *Crime, Madness, and Politics in Modern France: The Medical Concept of*
- National Decline.* xv + 367 pp., illus., bibl., index. Princeton, N.J.: Princeton University Press, 1984. \$35.
- Emiko Ohnuki-Tierney.** *Illness and Culture in Contemporary Japan: An Anthropological View.* xiv + 242 pp., illus., bibl., index. Cambridge / London / New York: Cambridge University Press, 1984. \$37.50 (cloth); \$9.95 (paper).
- J. Robert Oppenheimer.** *Uncommon Sense.* Edited by **N. Metropolis, Gian-Carlo Rota, David Sharp.** ix + 195 pp., illus., bibl. Boston / Basel / Stuttgart: Birkhauser, 1984. \$14.95.
- Charles S. Parsons.** *Mathematics in Philosophy: Selected Essays.* 365 pp., figs., bibl., index. Ithaca, N.Y. / London: Cornell University Press, with the assistance of the Andrew W. Mellon Foundation, 1984. \$42.50.
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