NOTES FROM THE PRESIDENT

BY GERALD HOLTON

THIS EDITION OF THE NEWSLETTER is again full of material calling for well-considered action. Let me draw particular attention to a few items. First is the report of the 1984 Nominating Committee. All members are earnestly requested to study the candidates' biographies and send in their votes (see page 18) for the Vice President, Council, and 1985 Nominating Committee. The exercise of our franchise is the very least we can do to assure the continued vigor of our Society.

Next, our next Annual Meeting is to be held 27-30 December 1984 at the Palmer House in Chicago. The preliminary HSS program, listed on pages 24-29, will induce you to save these dates on your calendar now. The Program Committee for the meeting, Professors David B. Kitts and Mary Jo Nye, deserve our congratulations for assembling a fine choice of more than fifty lectures, sessions, working luncheons, excursions, and other events on the occasion of George Sarton's centennial year. Moreover, the meeting this year is being held jointly with that of the American Historical Association. The specific joint activities planned encompass several cosponsored sessions, a combined printed program, a combined book exhibit, and a combined job exchange; in addition all HSS and AHA sessions are open to members of both societies, and a shuttle bus will operate between the main hotels. More details on local arrangements will appear in the next Newsletter.

Some news, again, about the Fund Drive authorized by the Executive Committee and Council in 1982. As you know, at its center is our need for an endowment of $1,700,000 that will support our growth as a professional and learned society far into the future. A key event toward this goal is the recent receipt of a most welcome pledge to our Society from Dr. Bern Dibner, who has approved the commitment of $250,000 from the Dibner Fund, Inc., with the understanding that it should be used to build up the endowment by obtaining matching contributions. This generous act means nothing less than an effective multiplication of every new gift to the Society's endowment. The ball is indeed in our court!

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Let me add here that the Executive Committee has formally adopted the rule — common practice in other organizations — that the principal amount in our endowment cannot be touched, and that our long-range investment goal should be to keep up the value of the endowment, in addition to obtaining a useful income from it. (An exception to the rule regarding the principal would be made only in the unlikely event that the existence of the Society is threatened, and then only if a committee of ex-Presidents agrees.) In this, as in so many other ways, we have been arranging our operations to be more evidently "professional."

Finally, let me mention some of the new programs now being planned or in an early stage of implementation, which were first proposed by groups or standing committees of the Society. We hope to obtain sufficient programmatic funding to start a small number of HSS Internships for young historians of science to work for one or two years in an industrial, federal, or archival setting on problems where the skills of the scholar and the national needs intersect. Similarly, we should establish some quasi-missionary lectureships, allowing the Society to send experienced scholars to speak to interested audiences, for example, at colleges open to the idea of instituting a committee or department on the history of science. Among the several other ideas of merit is a plan to earmark funds to help younger scholars travel to our Annual Meeting for the purpose of presenting their own academic work.

However much the Society may desire to have such programs, these are not likely to survive long without dedicated help to supplement the efforts of our committees and officers. This does not mean we should institute a permanent bureaucracy; our society does not need to do that, and many other societies have regretted doing it. But now we need, and deserve, the assistance of a person to act on a part-time basis as Program Coordinator for the new programs mandated by the Executive Committee and Council. An additional function of the Program Coordinator will be to participate in visits to foundations and prospective donors, a duty previously undertaken by only a few Society members.

This person must be a recognized scholar in the history of science, preferably one who volunteers to work on released time (although the Society will provide reimbursement if necessary). The position is part-time for one or two years, with the individual remaining active at the home institution. The Society would be grateful for assurance of some support from the home institution, such as provision for secretarial or telephone costs. Please send names of recommended candidates (including self-nomination) directly to me within the next two weeks, preferably with curriculum vitae, bibliography, record of similar experience, and suggested time and funding budget. Address them to me at 358 Jefferson Laboratory, Harvard University, Cambridge, MA 02138; telephone (617) 495-4474. There is much to be done, and in a good cause.

**Position**

The Department of History and Philosophy of Science at the University of Melbourne, Australia, invites preliminary applications for a limited-tenure lectureship from 1 January 1985 through 31 December 1987. Establishment of this lectureship is subject to final budgetary approval. The vacancy is in the field of the history of science; specific desirable areas are the history of the social sciences and the history of the human sciences. Preference will be given to applicants with an ability to relate developments in social theory to changing conceptions of science. Candidates should normally have a Ph.D., appropriate teaching experience, and a record of active research. The annual salary ranges from $22,430 to $29,467 (Australian). Please address inquiries, including vita and names and addresses of at least three references, to H. E. Le Grand, Chairman, Department of History and Philosophy of Science, University of Melbourne, Parkville, Victoria 3052, Australia. The deadline for receipt of applications is 20 September 1984.

**Assistant or Associate Editor for Isis**

Dr. William Montgomery will be assuming a position at the State University of New York at Potsdam on 1 September 1984. This move will necessitate his resignation as Associate Editor of Isis. Arnold Thackray, Editor, notes that "Bill Montgomery has served Isis and the History of Science Society for six years, with remarkable tact, industry and good judgment. We shall greatly miss both his understated humor and his quiet determination to preserve and enhance the standards of Isis."

Isis now seeks the services of a new Assistant or Associate Editor, able to devote one day a week to Isis and to commute to the Isis office in Philadelphia at least once every two weeks. Nominations or applications should be addressed to Dr. Arnold Thackray, University of Pennsylvania/D6, 215 South 34th Street, Philadelphia, PA 19104, by 15 August 1984. Dr. Thackray will be pleased to discuss the position with interested individuals.
The National Endowment for Humanities (NEH) announces an opening for a Program Officer for the Humanities, Science, and Technology Program. For more information contact Jack Crowder, NEH, 1100 Pennsylvania Avenue NW, Washington, DC 20506; telephone (202) 786-0415. Inquiries should be made by 15 August 1984.

The National Museum of American History is looking for a museum technician or museum specialist at the GS-7 ($17,138) or GS-9 ($20,965) level. This position is located in the Division of Medical Sciences, Department of History of Science and Technology. The incumbent will manage and maintain the collections of museum objects in the division relating to the history of medical technology and dentistry. Duties will include, but are not limited to, the proper maintenance and storage of museum objects, conservation of the objects, preparation of the objects for exhibit, accessioning and cataloguing the objects, and organization and maintenance of research materials related to the collections. Some knowledge of the history of science and medicine is highly desirable.

A formal announcement of this position will be made by the Office of Personnel Management, Smithsonian Institution. When this position is announced, interested individuals should submit a Federal Job Application Form (SF-171) to the Office of Personnel, referring to that specific announcement number. The Smithsonian Institution is an equal opportunity employer.

The History of Science Department at the University of Wisconsin—Madison, invites applications for a possible one-semester visiting appointment in the history of science, spring 1985. The appointee will be expected to teach two large lower-division lecture courses and one more specialized upper-division or graduate course. Letters of application detailing areas of teaching interest and relevant experience, along with vita listing references, should be received by 31 August 1984 (deadline extended from previous announcement). Send applications to Daniel Siegel, Chair, Department of the History of Science, 4143 Helen C. White Hall, University of Wisconsin, Madison, WI 53706. Early inquiries to (608) 262-1406 encouraged.

Don't overlook the Mellon Teaching Fellowships listed under "Fellowships and Grants."

FELLOWSHIPS & GRANTS

The American Association for the Advancement of Science invites applications for the 1985–1986 Science, Engineering, and Diplomacy Fellowships for scientists, engineers, and other science-related professionals. Fellows will spend one year beginning 1 September 1985 working in the Bureau of Oceans and International Environmental and Scientific Affairs of the Department of State (STATE), or in a scientific or technical office of the Agency for International Development (AID), and perhaps at other appropriate locations within those two agencies. The purpose of the fellowship is to provide a unique public policy learning experience, to demonstrate the value of science and technology in working on major societal problems, and to make practical contributions to the more effective use of scientific and technical knowledge in the foreign affairs of government. A prospective fellow must demonstrate exceptional competence in some area of science or engineering; be cognizant of the ways in which science and technology affect a broad range of public policy issues; be articulate, literate, and able to work effectively with decision makers and others outside of the scientific and engineering communities; exhibit willingness and flexibility to tackle problems in a number of nonscientific areas; demonstrate sensitivity toward political, economic, and social issues; and have some experience and a strong interest in applying knowledge toward the solution of problems in the area of foreign affairs. The AAAS, in cooperation with STATE and AID, will select two fellows to serve one-year appointments at salaries consistent with education level and experience. For STATE the salary will not exceed the GS-12 level (beginning at $30,000). Fellows serving in AID will receive their stipends from AAAS. Secret-level clearance must be obtained before a fellow can begin work in either program. Applications must be received by 1 February 1985. For further information contact Science, Engineering, and Diplomacy Fellows Program, American Association for the Advancement of Science, 1776 Massachusetts Avenue NW, Washington, DC 20036.

The American Council of Learned Societies announces the following programs of fellowships and grants, primarily postdoctoral. Unless otherwise noted, applicants to all postdoctoral programs administered by the ACLS must be citizens or permanent residents of the United States and are required to hold the doctorate or its equivalent as of the stated deadline. Younger scholars and independent scholars who do not hold academic appointments are strongly encouraged to apply. Application may be made to one program only. All deadlines are for receipt of applications. When requesting application forms, please state citizenship or permanent residence, highest academic degree held and date received, academic or other position, field of specialization, proposed subject of research or study, period of time for which support is requested, and the specific program under which application is contem-
The ACLS offers the following general programs of postdoctoral fellowships and grants.

- **ACLS Fellowships** — for research in the humanities; research in the social sciences with a predominantly humanistic emphasis will also be considered.
- **ACLS/Ford Fellowships** (new this year) — for humanistic research, broadly defined, on social issues bearing on the following questions: the various meanings of equality and their relationship to a socially just society; intergenerational responsibility; the concept of governance; and the cultural and philosophical assumptions implicit in concepts and practices of crime and punishment. For both fellowships, the period of tenure is from a minimum of six months to a maximum of one year; the maximum award is $15,000, and the deadline is 1 October 1984.
- **Research Fellowships for Recent Recipients of the Ph.D.** — for humanistic research.
- **Fellowships for Studies in Modern Society and Values** — for humanistic research intended to illuminate and assess social and cultural issues and ideas of the twentieth century. For both fellowships, applicants' degrees must have been conferred between 1 January 1982 and 31 December 1984; if the degree has not been conferred, all requirements must be fulfilled by the deadline. The maximum award is $8,500, and the deadline is 1 October 1984.
- **Grants-in-Aid** — to advance significant humanistic research in progress. The maximum award is $3,000, and the deadline is 17 December 1984.
- **Travel Grants** — to enable scholars in humanistic disciplines to participate in international meetings held outside North America. Grants are administered in cooperation with the ACLS constituent societies on a competitive basis. Requests for applications should set forth the name, dates, place, and sponsorship of the meeting, as well as a brief description of the nature of the applicant's scholarly interests and proposed role in the meeting. Requests for application forms and the completed forms should be sent to the ACLS Travel Grant Office. Completed forms are due by 1 November for meetings March-June; 1 March for meetings July-October; and 1 July for meetings November-February.

The ACLS and the Social Science Research Council (SSRC) jointly sponsor the following area programs.

- **Grants for China Studies** — for postdoctoral research and training in social scientific and humanistic aspects of China area studies. [1] Research fellowships are offered to senior scholars generally for periods of six months to one year; the maximum award is $25,000. [2] Research and advanced-training fellowships are available for full-year programs for younger scholars who received their doctorates within the last five years; the maximum award is $20,000 plus research costs. [3] Full-year language-training fellowships for study of Asian languages necessary to China area studies are offered to doctoral candidates who expect to receive their degrees by 30 June 1985. [4] Support is also provided for dissertation research abroad; there are no citizenship requirements for graduate students, but they must be regular Ph.D. candidates in a United States university expecting to complete all requirements except the dissertation by 30 June 1985. The deadline for the above programs is 15 November 1984. These programs are not intended to support research within the People's Republic of China; scholars seeking such support should write to the Committee on Scholarly Communication with the People's Republic of China. [5] Grants of $4,000 plus tuition will be offered for intensive language training in spoken and written Chinese during the summer of 1985 at the Inter-University Program for Chinese Language Studies in Taipei; preference will be given to scholars at least five years beyond receipt of the doctorate. The deadline is 15 February 1985.

- **Grants for East European Studies** — for research in the social sciences and humanities relating to Albania, Bulgaria, Czechoslovakia, the German Democratic Republic, post-Byzantine Greece, Hungary, Poland, Rumania, and Yugoslavia. [1] Postdoctoral grants will range from small sums for brief periods of research to fellowships of up to $20,000 for at least six months of uninterrupted research. [2] Support is also offered for dissertation research; these applicants must be U.S. citizens who are regular Ph.D. candidates in a U.S. university expecting to complete all requirements except the dissertation by 30 June 1985. Applicants must have completed a year on an International Research and Exchanges Board exchange unless their dissertation topics cannot be researched within Eastern Europe. The maximum award is $10,000 for one year of full-time research, and the deadline is 15 November 1984.

- **Programs administered by the Social Science Research Council** — These include grants for postdoctoral research relating to Africa, Japan, Korea, Latin America and the Caribbean, the Near and Middle East (since the beginning of Islam), South Asia, and Southeast Asia; the deadline is 1 December 1984. Projects relevant to these areas may lie outside the scope of the SSRC-administered programs and may be eligible for the ACLS general categories of fellowships and grants, provided they have a humanistic orientation. Area specialists should determine (with the SSRC) the appropriateness of their projects early enough to apply to the ACLS if indicated. [2] Fellowships will also be offered for dissertation research to be carried out in Africa, Asia (with the exception of China), Latin America and the Caribbean, the Near and Middle East, and Western Europe, or for cross-area research; the deadline is 1 November 1984. For information regarding these programs contact the Office of Fellowships and Grants, Social Science Research Council, 605 Third Avenue, New York, NY 10016.

- **Programs administered by the International Research and Exchanges Board (IREX)** — These include [under joint sponsorship of the ACLS and the SSRC] postdoctoral and predoctoral exchanges with Bulgaria, Czechoslovakia, the German Democratic Republic, Hungary, Poland, Rumania, the USSR, and Yugoslavia. United States citizens whose research projects necessitate residence of two months or longer in any one of these countries must apply to IREX rather than to the ACLS. Address correspondence concerning these programs to the International Research and Exchanges Board, 655 Third Avenue, New York, NY 10017.

Grants totalling $27,000 are being offered by the American Institute of the His-
The American Schools of Oriental Research, study, and search of the Middle East from prehistoric to Islamic times. Recipients participate in the stimulating scholarly community of the Albright Institute in Jerusalem, the American Center of Oriental Research in Amman, or the Cyprus American Archaeological Research Institute in Nicosia. The following awards are available: National Endowment for the Humanities Post-Doctoral Research Fellowships, stipends up to $25,000, in Jerusalem and Amman; Annual Professorships in Jerusalem, Amman, Nicosia, with room-and-board benefits; Kress Fellowship in Art History, in Jerusalem, with room-and-board benefits and stipend up to $2,700; Barton Fellowship in Jerusalem, with room-and-board benefits and stipend up to $2,000; Shell Fellowship in Amman, with stipend up to $6,000; Mesopotamian Fellowship, with stipend up to $5,000; Al- bright Fellowship, with stipend up to $5,000; Endowment for Biblical Research (formerly ZRF) summer study and travel grants, with stipends of $1,000 and $1,500; and honorary awards in Jerusalem, Amman, and Nicosia. Applications deadline for most awards is 15 November 1984. For details and application information, write the ASOR Administrative Office, 4243 Spruce Street, Philadelphia, PA 19104; telephone (215) 222-4643.

The Columbia University Society of Fellows in the Humanities, with a grant from the Andrew W. Mellon Foundation, will appoint two Senior Fellows in the Humanities for the academic year 1985–1986. Awards will be made to scholars of particular promise who have held the doctorate and taught as full-time faculty for at least five years but have not yet received tenure, and who have at least one significant publication. Preference will be given to candidates qualified for promotion to tenure but for whom a tenured position does not currently exist. Senior Fellows for 1985–1986 will receive a stipend of $26,500 plus regular faculty benefits, one half for research in the appropriate departments at Columbia. Additional funds are available in support of such needs as research materials and typing. Appointments will normally be renewed for a second year, and possibly for a third.

Candidates must be nominated by the chairman of their departments or of an appropriate interdepartmental committee, either at Columbia or at their present institution. Applications from individuals will not be considered. Nominations must be accompanied by a complete curriculum vitae giving the number of years of full-time instruction and including a list of publications, papers read, and work in progress and a statement from the candidate of his or her scholarly project and goals. The nominating chairman’s letter of endorsement should assess the candidate’s qualifications as a scholar and teacher and describe his or her actual situation in the department, including whether there are prospects of a tenure opening, whether the department has voted for promotion, tenure, and on whose decision the candidate was nominated for the Society of Fellows. The candidate must request at least two further letters of support from senior colleagues in his or her field who are familiar with his or her scholarly work.

Harvard University is offering the Andrew W. Mellon Faculty Fellowships in the Humanities, for nontenured, experienced junior scholars who at the time of appointment have completed at least two years postdoctoral teaching at college or university faculty in the humanities, usually as assistant professors. Candidates must have received the Ph.D. prior to 30 June 1983. The one-year appointment (July 1985 to June 1986) carries limited duties, departmental affiliation, an opportunity to develop scholarly research, and an annual salary of $21,000. Applications are due 1 November 1984, and awards will be announced 1 February 1985. For particulars and application procedures write Dr. Richard M. Hunt, Program Director, Harvard University Mellon Faculty Fellowships, Lamont Library 202, Cambridge, MA 02138.

Nominations and supporting materials should be sent to the Director, Society of Fellows, Heyman Center for the Humanities, Box 100 Central Mail Room, Columbia University, New York, NY 10027. The deadline for receipt of all materials is 1 November 1984.

The Society of Fellows, with grants from the Andrew W. Mellon Foundation and the William R. Kenan Trust, will also appoint a number of postdoctoral fellows in the humanities for the academic year 1985–1986. Fellows newly appointed for 1985–1986 must have received the Ph.D. between 1 January 1983 and 1 July 1985. A stipend of $23,000 is offered, one half for independent research and one half for teaching in the undergraduate program in general education. Additional funds are available in support of such needs as research materials and typing. Application forms can be obtained by writing to the Director, Society of Fellows in the Humanities, Heyman Center for the Humanities, Box 100 Central Mail Room, Columbia University, New York, NY 10027. The deadline for receipt of completed application forms is 1 November 1984.

Columbia University is an Affirmative Action, Equal Opportunity Employer.

The National Humanities Center is offering thirty-five to forty fellowships for senior scholars and young scholars several years beyond the doctorate to undertake...
advanced study in history, philosophy, literature, and other fields of the humanities, while residing at the Center's facilities in the Research Triangle Park near the campuses of Duke University, the University of North Carolina, and North Carolina State University. Representatives of the natural and social sciences, the arts, the professions, and public life are also welcome to apply. The fellowships usually run from September to May; a few are available for the fall or spring semester. The stipend is based on a scholar's usual academic salary; the Center makes up the difference between a fellow's other sources of funding and that salary. All fellows receive travel expenses to and from the Center for themselves and their families. The Center provides bibliographical services and delivery of research materials, a typing pool, and assistance in locating suitable housing in the Triangle area. While pursuing their individual projects, fellows are invited to organize and participate in interdisciplinary seminars, lectures, conferences, and public programs. The deadline for submission of applications is 15 October 1984 (please note change in date from previous years). For information and application material write Kent Mullikin, Assistant Director, National Humanities Center, 7 Alexander Drive, Research Triangle Park, NC 27709. The National Humanities Center does not discriminate on the basis of race, color, sex, religion, or national or ethnic origin.

The School of History and Philosophy of Science of the University of New South Wales, Sydney, Australia, invites applications for a Visiting Fellowship from established scholars whose primary teaching and research interests lie in the historical, philosophical, or social studies of science, technology, or medicine. The appointee will be expected to participate in the teaching and research activities of the school and will be offered a stipend within the limits of available funding. The appointment could provide supplementary support for a scholar visiting Australia on sabbatical leave. The duration is open to negotiation, provided that it falls within the calendar year 1985 and includes the period from mid-February to the end of June. Applicants should submit a full curriculum vitae together with the names and addresses of two referees, details of current teaching and research interests, and an indication of the period for which appointment is sought. Please contact the Academic Staff Office, University of New South Wales, P.O. Box 1, Kensington, N.S.W. 2033. The closing date for applications is 16 August 1984. Equality of employment opportunity is university policy.

Don't overlook the following fellowship and grant announcements in the April 1984 Newsletter, pages 6–7: the Council for International Exchange of Scholars Fulbright Awards, deadline 15 September 1984 for some of the awards; the Osler Library fellowships in history of medicine, deadline 1 October 1984; the Sigma Xi grants, submission at any time.

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CALLS FOR PAPERS

Society members who wish to propose topics for Section L (History and Philosophy of Science) sessions to be held at the Annual Meeting of the American Association for the Advancement of Science in Los Angeles, 24–29 May 1985, are urged to contact David Hull, 859 West Wellington Avenue, Chicago, IL 60657, well before 1 August 1984.

The American Association for the History of Medicine will hold its annual meeting 15–18 May 1985 in Durham, North Carolina. Those interested in presenting papers are invited to submit abstracts (original and five copies) of approximately three hundred words, typed on a single page, postmarked no later than 1 November 1984, to the Chairman of the Program Committee, Dr. Todd L. Savitt, Humanities Program, School of Medicine, East Carolina University, Greenville, NC 27834. Please include a cover sheet with mailing address, phone number, occupation, degrees held, and institutional affiliation. The Program Committee will consider proposals for entire sessions (three papers), but will judge and accept each abstract on its own merits. Papers may deal with any aspect of medical history, but should not represent work that has been published or is in press. Presentation will be strictly limited to a period of twenty minutes, but may be followed by a discussion period at the discretion of the session chair. Participants are reminded that the Bulletin of the History of Medicine reserves the right to consider for publication any paper delivered at the meeting. This year's program will again include lunchtime roundtable workshops, and the program committee invites potential leaders of such workshops to submit proposals outlining the session. Please include a cover sheet similar to that outlined for papers.

The Summer Conference on Historical, Philosophical, and Social Studies of Biology—1985 will be held 24–29 June 1985 on the campus of St. Mary's College, Notre Dame, Indiana (South Bend). This cross-disciplinary conference, open to sociologists, historians, and philosophers of science interested in biology, as well as to biologists, will comprise plenary sessions, workshops, and works-in-progress sessions, after the model of the Summer Conference on the Philosophy of Biology held at Denison University in 1983 and first planned at the joint meetings of the PSA, HSS, SSSS, and SHOT held in Phila-
At its 1981 meeting in Bucharest the International Commission on the History of Mathematics (International Union on the History and Philosophy of Science, Division on the History of Science) adopted the proposal to organize a further symposium at the next International Congress for the History of Science in Berkeley (31 July–8 August 1985). The theme at the Berkeley Congress will be "Transmission of Mathematical Science." The theme is comprehensive and will cover different forms of transmission of mathematical science, for example, between cultural areas, countries, and perhaps scientific fields. Possible specific topics include transmission of mathematical science in antiquity; transmission of Greek science to the Muslims; relations between Arabic, Indian, and Chinese mathematical science; transmission of Arabic mathematical science to the medieval West; transmission of mathematical science to the New World; confrontation of different mathematical styles; transmission of mathematical knowledge into Third World countries; utilization of regional or national traditions in mathematics in the genesis of formalized mathematics; and transmission of mathematical theories to scientists (e.g., physicists, biologists, economists). A longer list of topics is available from the International Commission. The International Commission on the History of Mathematics solicits further suggestions concerning themes for discussion, titles of possible contributions, and names of colleagues who should be notified about the symposium; it plans to delineate the scope of topics and prepare a list of speakers and contributors for the symposium during July 1984.

Please address all correspondence to Professor J. Dhombres, UER de Mathématiques 21, rue de la Houssinière, F-44 072 Nantes Cedex, France.

Manchester University Press [Manchester, England, and Dover, New Hampshire] is publishing a new series of philosophical and scientific classics that will be of interest to both philosophers and historians of science. The press has already published the Leibniz-Clarke Correspondence (re-issued in this series) and Selected Philosophical Papers of Robert Boyle (edited by M. A. Stewart). MUP hopes to expand the series with new translations of texts into English or with new editions of classic texts originally published in English. Researchers working on texts that might fall within the scope of the series are invited to write for further details to the General Editor, Dr. Desmond Clarke, Philosophy Department, University College, Cork, Ireland.

In January 1985 W. B. Saunders will begin publishing Medical Heritage, a bimonthly journal designed for an audience of physicians and others interested in the historical and humanistic aspects of medicine. Articles are solicited in the following areas: medical history and biography; medicine and fine art, photography, and illustration; medicine and literature; medicine and anthropology; medicine and philosophy; medicine and stamps; and history of medical technology. Also sought are short stories and poetry featuring medicine or physicians and personal reminiscences of physicians and institutions. The journal will be liberally illustrated for visual appeal, and the editors seek authoritative work written in a lively style with appropriate accompanying illustrations. Submissions will be peer-reviewed by members of the editorial board and other eminent scholars of diverse backgrounds. An honorarium will be awarded authors of articles accepted for publication. Submit manuscripts in triplicate, typed double-spaced, and accompanied by photographs and illustrations to Sharon Romm, M.D., Albert B. Chandler Medical Center, Department of Surgery, Division of Plastic Surgery, University of Kentucky, Lexington, KY 40536-0084.

The topic of the Ninth Annual Meeting of the Midwest Victorian Studies Association, to be held in Chicago, 26–27 April 1985, will be "Victorians at Home." The Association welcomes proposals treating varied aspects of Victorian home life, including family structures, female roles, domestic architecture and design, and leisure activities. Eight- to ten-page papers or two-page abstracts should be sent no later than 15 November 1984 to Kristine Ottesen Carrigan, Department of English and
Communication, DePaul University, 2323 North Seminary Avenue, Chicago, IL 60614.

The twenty-eighth annual Missouri Valley History Conference will be held at the University of Nebraska at Omaha, 7–9 March 1985. Submissions are welcome from scholars in all fields of history as well as interdisciplinary and methodological studies. Please submit proposals, which should include an abstract of the paper and brief curricula vitae of all participants, by 1 November 1984 to Professor Marian P. Nelson, Program Coordinator, 1985 MVHC, Department of History, University of Nebraska at Omaha, Omaha, NE 68182. Participants interested in serving as moderators or commentators should write the Program Coordinator and indicate areas of expertise.

The National Council on Public History will hold its Seventh Annual Conference on Public History 25–27 April 1985 at the Hyatt Regency in Phoenix, Arizona. Arizona State University, as host, is including the conference as one of its centennial events. Program committee chairs Amrita Jones and Noel J. Stowe invite proposals for papers and suggestions for complete sessions. Those interested in submitting a proposal for a paper, complete panel, or workshop, should send a one-to-two page prospectus outlining the paper or session and the qualifications of the participants to Amrita Jones, National Endowment for the Humanities, Room 402, 1100 Pennsylvania Ave., NW, Washington, DC 20506; telephone (202) 786-0420 or Noel J. Stowe, Department of History, Arizona State University, Tempe, AZ 85287, telephone (602) 065-5778. The deadline for submission of proposals is 15 September 1984. Applicants will be notified of the committee’s decision by 15 October 1984.

The First Conference on Philosophy in the Americas will take place 8–11 January 1985 at the National University of Mexico, Mexico City, Mexico. The theme will be historical materialism, and topics covered will include meaning and movement in Marxist philosophy, Marxism in the contemporary world, political philosophy, ethics, theory of knowledge, philosophy of science, ontology, philosophy of education, aesthetics, crisis of advanced capitalism, revolution, ideology, and bureaucracy. The conference is open to philosophers of the Western Hemisphere, and there will be simultaneous translation in English and Spanish. The deadline for submission of papers is 15 September 1984. For further information, contact Professor E. D’Angelo, University of Bridgeport, Bridgeport, CT 06601.

Michigan Quarterly Review invites manuscripts for its fifth special issue, Science and the Human Image. The deadline for submission is 1 September 1984.

The tenth annual meeting of the Social Science History Association will be held 21–24 November 1985 at the Chicago Marriott, 540 North Michigan Avenue, Chicago, Illinois. Those wishing to participate or offer suggestions for the program should contact the heads of the Program Committee. Paper and panel proposals should include a short description of the paper(s) and the names, departments, and institutional affiliations of all proposed participants. Panels may include roundtable discussions. Proposals should be received no later than 1 March 1985. The Program Committee Chair is Phyllis Field, Department of History, Ohio University, Athens, OH 45701; telephone (614) 594-5064; the Co-Chair is David I. Kertzer, Department of Sociology and Anthropology, Bowdoin College, Brunswick, ME 04011; telephone (207) 725-8731.

Calls for Bibliographical Information

The 1984 Isis Critical Bibliography will be going to press in early November for publication in December, as the final number of the current volume of Isis. Since production of camera-ready copy requires about two months, anyone wishing to contribute citations for the bibliography should send them to the editor (John Neu, Memorial Library, University of Wisconsin, Madison, WI 53706) no later than 1 September 1984. Approximately 500 journals are searched regularly each year to compile the bibliography. These journals are marked by an asterisk in the list of bibliographic sources printed in the introduction to the bibliography. It would be very helpful if anyone publishing papers in journals not marked on this list, or papers in volumes of collected essays, would send either off-prints or citations to the editor. For format of citations see "Suggestions for Contributors" on page 2 of the most recent bibliography.

The Australian Academy of Science plans to publish its fourth annual bibliography of works on the history of Australian science in Historical Records of Australian Science in November 1984. The bibliography will list mainly works published during 1983, but will also include previously published items not included in earlier bibliographies. The scope is limited to material on the history of the natural sciences (mathematics, physical sciences, earth sciences, and biological sciences) and some of the applied sciences (including medical and health sciences, agriculture, transport, manufacturing, and engineering). The compiler is seeking relevant material published during 1983 for the next bibliography and would appreciate receiving details of books, journal articles, theses, reports, and reviews. Please send this material to L. E. Carlson, Deakin University Library, Geelong, Victoria 3217, Australia.
MEETINGS

A Conference on Experimentation in the Natural Sciences, from historical, sociological, and philosophical perspectives, will be held at Newton Park, near Bath, England, 30 August–2 September 1985. Sessions will address such specific topics as observation, the construction of experience, crucial experiments, the changing character and function of experiment from the Scientific Revolution, the new historiography of experiment, the interaction of experimental techniques with ideas, experiment and argument, and pedagogical uses of experiment and the implications for science education and science studies. Sponsors include the British Society for the History of Science and the BSA Science Studies Group. The conference is being organized by H. M. Collins, D. C. Gooding [both Science Studies, Bath], T. J. Pinch [Sociology, York] and S. Shapin [Science Studies, Edinburgh]. For information about the program please contact Dr. D. C. Gooding, School of Humanities and Social Sciences, University of Bath, Bath BA2 7AY, England. Those wishing to receive the first circular should send a self-addressed envelope or address label to “Experimentation Conference Circular,” c/o Mrs. Nicola King, School of Humanities and Social Sciences, University of Bath, Bath BA2 7AY, by 1 November 1984.

The Division of the History of Medicine of the Hebrew University – Hadassah Medical School and the Israel Institute of the History of Medicine, Jerusalem, will hold the Second International Symposium on Medicine in Bible and Talmud at the Israel Academy of Sciences and Humanities in Jerusalem. The symposium will take place 18–20 December 1984, a few days before the Congress of the International Society for the History of Medicine in Cairo. The aim of the symposium is to stimulate further exchange and research, especially regarding the relationship between Talmudic medical data and contemporary knowledge in related areas. The symposium will be open to medical and general historians, to scholars in Biblical and Talmudic studies, and to classicists, linguists, public health officers, and physicians. Topics will include Talmudic medical-historical research during the last 150 years, Rabbinic law as the basis for Talmudic medical investigations, and Talmudic medicine and Greek sources. For further information contact Dr. Samuel S. Kottek, Division of the History of Medicine, The Hebrew University – Hadassah Medical School, 91120 Jerusalem, Israel.

The XVIIth International Congress of History of Science will take place at the University of California, Berkeley, 31 July–8 August 1985. The Congress is held under the auspices of the International Union of History and Philosophy of Science (an affiliate of UNESCO), the United States National Academy of Sciences, and the University of California. The first circular describing the Congress was sent by surface mail about 20 March 1984 to members of national and specialist societies in the history of science and technology. A

Don’t overlook the meetings announced in the April 1984 Newsletter. See the following under “Meetings” on pages 8–9: AHA 16th International Congress of Historical Sciences in Stuttgart, 25 August–1 September 1985; the Fourth Scientific Instrument Symposium in Amsterdam, 23–26 October 1984; the conference on Art and Science in Related Revolutions at Williams College, Williamstown, Massachusetts, 18–20 October 1984. See the following under “Calls for Papers” on page 12: the annual meeting of the American Society of Mechanical Engineers (including its Technology and Society Division), New Orleans, 9–13 December 1984; the annual conference of the Association for the Advancement of Policy, Research, and Development, New York, 14–16 November 1984; and the Eleventh Saint Louis Conference on Manuscript Studies, St. Louis, 12–13 October 1984.
second circular, containing forms for registration, room reservation, and submission of abstracts, as well as information about local accommodation, travel to Berkeley, and visas, will be mailed during September 1984 to those who return the application provided in the first circular. Prospective participants who did not receive the circular by the end of May 1984 or who require additional copies should apply to the Congress Secretariat, Office for History of Science and Technology, 470 Stephens Hall, University of California, Berkeley, CA 94720, U.S.A.

The annual Midwest Junto meeting will be held 18–20 April 1985 on the University of Minnesota campus in Minneapolis. For further information, contact William Aspray, Charles Babbage Institute, 104 Walter Library, University of Minnesota, Minneapolis, MN 55455; telephone (612) 376-9336.

The 1984 annual meeting of the Society for the History of Technology will be held in Cambridge, Massachusetts, 1–4 November 1984. The host for the meeting will be the Program in Science, Technology, and Society of the Massachusetts Institute of Technology. For registration materials (available 1 September) or other information contact Gayle Fitzgerald, Campus Information Services, Room 7-111, MIT, Cambridge, MA 02139. See also the announcement under "Publications."

The Ninth Annual Meeting of the Society for the Social Studies of Science [4S] will be held 14–17 November 1984 in Ghent, Belgium. The meeting, which celebrates the centennial of the birth of George Sarton, will be held jointly with the European Association for the Study of Science and Technology and Communication and Cognition of Belgium. Authors of papers accepted for the program are reminded that four-page abstracts of the papers (to be distributed to registrants) are due 1 September 1984. For further information contact Susan E. Cozzens, Room 1229, Natural Science Foundation, Washington, DC 20550; telephone (202) 357-7826.

HS-Related Societies & Activities

The American Physiological Society, founded by S. Weir Mitchell, Henry P. Bowditch, and H. Newell Martin in 1887, is now preparing for its centennial. As 1887 approaches, members of the society have been devoting increasing attention to the history of their discipline, and at the April meeting they formally established a section on the History of Physiology. To facilitate communication among researchers, the society archivist is compiling a list of physiologists and historians working in the history of physiology and of their current projects. Researchers working on any aspect of the history of physiology are urged to write to Dr. Toby A. Appel, Historian-Archivist, American Physiological Society, 9650 Rockville Pike, Bethesda, MD 20814.

The Modern Language Association Literature and Science Division has formed a subcommittee to investigate interest in establishing a Literature and Science Society to facilitate research and exchange of information in literature and science studies. The proposed society would establish a public forum for work exploring a wide range of relationships among science, technology, literature, and the arts. A society-supported journal or newsletter, which would serve as a permanent home for the division's annual bibliography, is also under discussion. Readers who have suggestions concerning the goals of the proposed society, and are interested in participating, are urged to write to the subcommittee chair, Lance Schachterle, Humanities, Worcester Polytechnic Institute, Worcester, MA 01609. (Other subcommittee members are Mark Greenberg, Stuart Peterfreund, George Rousseau, Joseph Slade, Stephen Weininger, and David Wright.)

The Charles Babbage Institute for the history of information processing is sponsored by AFIPS and the information-processing community and is located at the University of Minnesota. A calendar of events, a newsletter, and information regarding memberships is available by contacting the Charles Babbage Institute, 104 Walter Library, 117 Pleasant Street, SE, University of Minnesota, Minneapolis, MN 55455.

The Computer Museum has just moved from Marlboro, Massachusetts, to Museum Wharf in downtown Boston, where it will reopen this fall. The museum covers the information revolution, chronicling the evolution of information processing from the abacus to the silicon chip through exhibitions, publications, historical research, and programs. For information regarding membership, which includes a subscription to the museum's illustrated magazine, contact the Membership Coordinator, The Computer Museum, 300 Congress Street, Boston, MA 02210.

On 4 May 1984 the Jefferson Physical Laboratory at Harvard University held a symposium celebrating the centennial of its founding. Speakers included Gerald Holton, Leo L. Bresnick, Edward M. Purcell, Sheldon L. Glashow, B. I. Halperin, Carlo Rubbia, and Michael Tinkham.

The editorial office of the SHOT Newsletter has been moved to Department of History, Duke University, Durham, NC 27706. In the future, the Newsletter will be mailed on or about the first of March, June, September, and December. Items for inclusion will be published if received by the fifteenth day of the previous month.
NEWS FROM WASHINGTON

The Consortium of Social Science Associations (COSSA) advises that the importance of communicating the results of social and behavioral science research to the public should not be underestimated and suggests that researchers share their findings on a regular basis with the public by regularly issuing press releases to notify the media of a publication, the completion of a research project, scholarly meeting, or seminar. For suggestions and assistance in writing press releases, call or write Eileen Chotiner in the COSSA office, 1755 Massachusetts Avenue, NW, Suite 300, Washington, DC 20036, telephone (202) 234-5703.

In testimony before the Science, Research, and Technology Subcommittee of the House Science and Technology Committee, COSSA asked for the restoration in real dollars of funds for social and behavioral science research at the National Science Foundation (NSF). Testifying on behalf of COSSA, Dr. Henry Aaron reviewed the spending cuts of fiscal years (FY) 1981 and 1982 in social and behavioral science research efforts. He noted that database development was being emphasized in the FY 1985 budget and reminded the subcommittee that individual investigator research projects, a seedbed of social science research and training, have declined enormously in recent years.

Stressing the impact of research in the social and behavioral sciences on problems the nation faces, COSSA requested that any increases in the funding levels for NSF's Research and Related Activities be earmarked for social and behavioral science research. COSSA also asked the subcommittee to set as a goal for FY 1986 the funding of social and behavioral science research programs at NSF at FY 1980 levels in FY 1986 dollars. At the conclusion of the hearings, Representative Doug Walgren (Dem., Pa.), chairman of the subcommittee, expressed an interest in specific examples of the impact of the budget cuts on social and behavioral science research. Members with such information are asked to write or call COSSA (see address and telephone number above).

Many readers may not be aware of the opportunities for conducting social science research through the National Aeronautics and Space Administration (NASA) history program. The History Office seeks to help researchers and the public learn about NASA's history and to inform policymakers about NASA activities. The office maintains archives, publishes historical and reference works, assists outside researchers, and advises staff throughout NASA on historical matters. Research is conducted both by NASA staff and by outside researchers on contract. Contracts are made with individuals or universities for book-length manuscripts to be published by the Government Printing Office. Topics of interest to NASA include aeronautical research and development, the development of space communications, international cooperation in space, and technology transfer.

The History Office also publishes NASA History: News & Notes. For further information contact Sylvia Fries, Director, NASA History Office, NASA Headquarters, Washington, DC 20546; telephone (202) 453-8300.

Representatives of the 34 member organizations constituting the National Coordinating Committee for the Promotion of History (NCC) met in Los Angeles on 5 April, Page Putnam Miller, NCC's director, briefed the group on the Committee's recent activities.

A Washington-based watchdog and advocacy organization, the NCC monitors legislation affecting historians. It represented the member organizations at Senate and House subcommittee hearings on legislation that would exclude the operational files of the CIA from the freedom-of-information process. More recently, the NCC met with members of the Copyright Office staff to discuss a new report prepared by the Register of Copyrights. The report brings into question sections 107 and 108 of the Copyright Law, which concern fair use and the right of historians and archivists to photocopy unpublished documents, letters, and manuscript material that have no clear copyright. "The question that became the focus of the conference," reports Dr. Miller, "was whether archivists should copy for researchers material for which they have no agreements regarding literary rights." In practice, most archivists do. But sections 107 and 108 do not include unpublished material; they only cover "rare and unique copyrighted material for private study." As there exists this discrepancy between general practice and a strict interpretation of the law, the NCC is considering suggestions by the Copyright Office on how to make appropriate statutory changes in sections 107 and 108.

Miller's office also prepares legislative briefings and fact sheets on current issues ranging from the impact of the Freedom of Information Act on Federal historians conducting oral histories to legislation that would restore the independence of the National Archives.

JUDITH GOODSTEIN
California Institute of Technology Archives
AWARDS & HONORS

Hosam Elkhadem of the National Center for the History of Sciences, Brussels, Belgium, has been awarded the 1984 prize of the Royal Academy of Belgium for a monograph entitled *Le Taqwil al-sihha d'Ibn Butlan, un traité médical du XVe siècle: Edition critique, traduction, commentaires.*

Richard P. Gillespie, a Ph.D. candidate in the Department of History and Sociology of Science at the University of Pennsylvania, has been selected as the first recipient of the AT & T Fellowship in Telephone History. The $10,000 award will support his research into "Management, the Worker, and Social Scientists: A History of the Hawthorne Experiments" during the 1984–1985 academic term.

C. Stewart Gillmor of Wesleyan University has received a United States–France Exchange Program award [NSF–CNRS] for research in Paris on the history of physics. He will be at the Centre de Recherches en Physique de l'Environnement Terrestre et Planétaire, 4 Avenue de Neptune, 94100, St.-Maur-des-Fossés, France, from July 1984 through August 1985.

Edward Grant of the Department of History and Philosophy of Science at Indiana University has been elected a Fellow of the American Academy of Arts and Sciences. Dr. Grant is the President-Elect of the History of Science Society.

Bert Hansen will be a member of the Institute of Advanced Study in Princeton for 1984–1985, where he will continue his research on the writings of Nicole Oresme. He has just completed a five-year contract position at the University of Toronto's Institute for the History and Philosophy of Science and Technology.

Thomas P. Hughes, Professor of History and Sociology of Science at the University of Pennsylvania, has been awarded the Torsten Althin Chair in the History of Technology and Sociology at the Royal Institute of Technology in Stockholm, Sweden. Dr. Hughes will spend one month each summer for the next five years at the Royal Institute teaching courses in the history of technology for faculty and students and giving seminars at the Royal Swedish Academy of Engineering and the Royal Swedish Academy of Sciences.

George B. Kauffman, Professor of Chemistry at the California State University, Fresno, has been given the California State University Exceptional Merit Service Award. Dr. Kauffman received grants from the National Endowment for the Humanities and the Swedish Institute for research in Europe on August Strindberg during the summer of 1983.

Sally Gregory Kohlstedt has been elected a fellow of the American Antiquarian Society, whose library and headquarters are in Worcester, Massachusetts.

PRIZE COMPETITIONS

The American Studies Association and Greenwood Press join in announcing the Ralph Henry Gabriel Prize in American Studies, to be awarded in 1985 to the author of the book-length original manuscript judged best by a special prize committee of the American Studies Association. Conditions of the competition are as follows. The work may deal with any aspect of American civilization but should reflect a breadth of approach or a combination of materials and methods not usually associated with a traditional discipline; the author must belong to the American Studies Association. The prize consists of $1,000 cash in anticipation of royalties and publication by Greenwood Press in the series Contributions in American Studies. "Honorable Mention" manuscripts may also be nominated for publication by the committee. Manuscripts should be sent in three copies to the Executive Director, American Studies Association, 307 College Hall/CO, University of Pennsylvania, Philadelphia, PA 19104, by 30 September 1984. The prize honors Ralph Henry Gabriel, for many years professor of history at Yale and a founder and past president of the American Studies Association.

The Society for the History of Technology is again offering the Joan Cahalin Robinson Prize. The prize consists of a certificate and a check for $200 and is intended to encourage the efforts of young and new scholars in the history of technology; it is awarded for the best paper among those presented at the SHOT annual meeting by persons who have not reached their thirtieth birthday by the last day of that meeting. Those over thirty will be eligible if presenting a first paper at a SHOT annual meeting, and if accredited graduate students or candidates for a higher degree; candidates holding the Ph.D. are not eligible unless under thirty. Submit written papers, complete with footnotes, to the Robinson Prize Committee by 20 September 1984. Mail one copy of the paper to each member: Dr. Edward C. Ezell, 11999 Brice House Court, Woodbridge, VA 22192; Dr. Barton C. Hacker, 1208 Greenway Drive, Las Vegas, NV 89108; Dr. Daryl M. Hafer, Department of History, Eastern Michigan University, Ypsilanti, MI 48197; Dr. W. David Lewis, Department of History, 7030-B Haley Center, Auburn University, AL 36849; and Ms. Selma Thomas, 1932 Federal Avenue, East, Seattle, WA 98102. For further information, write Daryl M. Hafer, Committee Chair, or phone (313) 995-4918.
In 1982 Douglas Sloan received the History of Education Society award for the outstanding English language periodical publication on educational history; the award honored his essay “Science in New York City: 1867-1907,” published in Isis, March 1980, 7: 35–76.

The American Institute of the History of Pharmacy awards Certificates of Commendation annually to individuals or groups who contribute significantly to the understanding and development of the history of pharmacy through any type of historical project or program, especially in local or regional history. The recipients for 1984 were Edward Boilini of Indiana, Mary L. Bowles of Tennessee, Michael C. Shannon of Michigan, and Kent W. Van Tyle of Indiana.

In 1983 the Bibliographical Society of America established a program of short-term fellowships to help support scholars undertaking research associated with the study of the history of books and printing. The 1984 BSA research fellows are David R. Clark (University of Massachusetts), Margaret L. Ford (Argosy Bookstore), Luis R. Ganez (University of Virginia), Jennifer R. Goodman (Texas A & M University), Robert A. Gross (Amherst College), Eyo Layton (Modern Greek Studies Association Cooperative Library Project), Virginia M. Murphy (Cambridge University), Robert B. Winans (Wayne State University), and J. Howard Woolmer. Please address inquiries about the fellowship program to the Executive Secretary, BSA, P.O. Box 397, Grand Central Station, New York, NY 10163.

Dissertations
University of Toronto

Appointments & Promotions
Edward C. Carter II, Librarian of the American Philosophical Society, Philadelphia, announces the appointment of two Andrew W. Mellon Fellows in Bibliography for 1984–1985. Anita Guerrini recently completed her dissertation on "Newtonian Matter Theory, Chemistry, and Medicine, 1690–1713," and has tentatively chosen to study the library’s holdings in American natural history up to 1770. David K. van Keuren’s research interests focus on the history of the social and natural science communities in Britain and the United States. He intends to compile a bibliography of the library’s manuscript holdings in American anthropology.

The library’s Mellon Bibliographer for 1983–1984 is Darwin H. Stapleton, who is completing an essay and bibliography focusing on “Accounts of European Science and Technology Written by Americans Abroad, 1735–1860.”

In September 1983 Toby A. Appel was appointed Historian-Archivist of the American Physiological Society.

William Coleman has been named Dickson-Bascom Professor of the History of Science and the History of Medicine at the University of Wisconsin.

Craig Fraser has been appointed Assistant Professor [History of Mathematics] at the Institute for the History and Philosophy of Science and Technology at the University of Toronto.

George Kish, William Herbert Hobbs Professor in geography in the College of Literature, Science, and the Arts, at the University of Michigan, retired in June 1984. On 14 April a special celebration was held in honor of Professor Kish at the William L. Clements Library. It was attended by more than one hundred of his friends and well-wishers, and greetings came from many others unable to attend.

John Norton has been appointed visiting Assistant Professor in the Department of History and Philosophy of Science at the University of Pittsburgh.

Theodore M. Porter has been appointed Assistant Professor in the Department of History at the University of Virginia, Charlottesville, effective September 1984.

S. E. D. Shortt, M.D., has completed a five-year Hannah Professorship of the History of Medicine at Queen’s University, Kingston, Canada. He was recently elected a Fellow of the Royal Society of Medicine, and he is returning to full-time medical practice.

Kim Henry Veltman, a student of Renaissance optics and perspective, has been appointed Assistant Professor for a three-year term at the Institute for the History and Philosophy of Science and Technology at the University of Toronto.
HSS Employment Market Survey 1982-1983

The Employment Market Survey, an official function of the HSS Committee on Women, is intended to keep track of the fate of positions advertised in the history of science, technology, and medicine (HSTM) and to assess trends in the employment market. As in the previous year, survey forms were sent to all institutions that advertised positions between May 1982 and April 1983 in the HSS Newsletter, the SHaT Newsletter, and the AAHM Bulletin. Jobs listed in AHA Perspectives were included only if HSTM was specifically mentioned as an alternative. A few positions advertised only by announcements sent to departments or posted at the HSS meeting were also included. Initial letters were sent in July 1983 and follow-up letters in September.

It is difficult to make generalizations on the basis of small numbers, but if the figures are taken seriously, there has been a decline in the job market over the past year. There were fewer jobs than in previous years and women fared slightly less well than they have in the past. A total of 43 positions were advertised this year, as compared to 53 last year and 54 the year before. Survey forms were received regarding 35 positions, and we were able to get information by word of mouth on the successful candidate for all the others.

Of the 43 positions, 33 were “permanent” (3 years or more) and 10 temporary. In all, taking into account cancellations and the hiring of more than one person on a single search, 39 people were hired, 27 men, 11 women, and 1, gender not given. Women constituted 29.0% of the successful candidates and 20.8% of the pool (or 22.2% leaving out the skew effect of Clarkson College’s enormous numbers).

The charts accompanying this report are arranged according to characteristics of the positions as advertised. There were 13 permanent and 8 temporary positions that by the terms of the advertisement required expertise in HSTM. In the category of positions in which HSTM was one of several possible areas of expertise, there were 18

<table>
<thead>
<tr>
<th>Institution</th>
<th>Description</th>
<th>Rank</th>
<th>Applicant pool</th>
<th>Person hired</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSS Employment Market Survey 1982–1983</td>
<td></td>
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</table>

HSTM Required Area of Expertise

<table>
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<tr>
<th>Institution</th>
<th>Description</th>
<th>Rank</th>
<th>Applicant pool</th>
<th>Person hired</th>
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</thead>
<tbody>
<tr>
<td>Permanent</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alabama–Birmingham</td>
<td>HST/Econ. hist.</td>
<td>Asst.</td>
<td>42 34 8</td>
<td>M, A.B.D., HST</td>
</tr>
<tr>
<td>Amberst</td>
<td>Hist. Sci.</td>
<td>Asst.</td>
<td>73 55 18</td>
<td>M, Ph.D. 1979, HS</td>
</tr>
<tr>
<td>Drew</td>
<td>Hist. Sci.</td>
<td>Asst.</td>
<td>80 60 20</td>
<td>M, A.B.D., HT</td>
</tr>
<tr>
<td>Edison Papers</td>
<td>Editorial Associate</td>
<td>Asst.</td>
<td>68 47 21</td>
<td>M, A.B.D., HT, Ph.D. 1975, HS</td>
</tr>
<tr>
<td>Edison Papers</td>
<td>Editorial Associate</td>
<td>Asst.</td>
<td>45 36 9</td>
<td>M, Ph.D., 1968, HM</td>
</tr>
<tr>
<td>Georgia</td>
<td>Hist. Sci.</td>
<td>Asst.</td>
<td>45 36 9</td>
<td>M, Ph.D., 1968, HM</td>
</tr>
<tr>
<td>Institute of Hist. Med. [Johns Hopkins]</td>
<td>Director</td>
<td>Full</td>
<td>45 38 7</td>
<td>M, A.B.D., HT</td>
</tr>
<tr>
<td>Maryland</td>
<td>Hist. Tech.</td>
<td>open¹</td>
<td>45 38 7</td>
<td>M, Ph.D. 1968, HM</td>
</tr>
<tr>
<td>Princeton</td>
<td>Hist. Sci.</td>
<td>Asst.</td>
<td>59 47 12</td>
<td>F, Ph.D. 1979, HS</td>
</tr>
<tr>
<td>South Alabama</td>
<td>HST</td>
<td>Asst./Full</td>
<td>30 — —</td>
<td>M, Ph.D. 1963, HS</td>
</tr>
<tr>
<td>Texas–Austin</td>
<td>Hist. Eur. Sci.</td>
<td>Asst.</td>
<td>36 29 7</td>
<td>cancelled</td>
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</tbody>
</table>

Temporary

<table>
<thead>
<tr>
<th>Institution</th>
<th>Description</th>
<th>Rank</th>
<th>Applicant pool</th>
<th>Person hired</th>
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</thead>
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<tr>
<td>California State, Fullerton</td>
<td>Hist. Sci.</td>
<td>Asst., 1-2 yr.</td>
<td>26 19 7</td>
<td>M, Ph.D. 1982, HS</td>
</tr>
<tr>
<td>Michigan State</td>
<td>HST</td>
<td>Asst.</td>
<td>17 12 5</td>
<td>F, Ph.D. 1983, HPS</td>
</tr>
<tr>
<td>Space Telescope</td>
<td>Historian</td>
<td></td>
<td>11 6 5</td>
<td>M, Ph.D. 1979, HS</td>
</tr>
<tr>
<td>VPI &amp; SU</td>
<td>Hist. Sci.</td>
<td>Instr./Asst., 1 yr.</td>
<td>4 — —</td>
<td>M, A.B.D., HS</td>
</tr>
<tr>
<td>VPI &amp; SU</td>
<td>HST</td>
<td>Instr./Asst., 1 yr.</td>
<td>— — —</td>
<td>F, Ph.D., HST</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>Hist. Biol.</td>
<td>Lect., 1 yr.</td>
<td>1 1 0</td>
<td>M, Ph.D. 1979, HS</td>
</tr>
</tbody>
</table>
jobs advertised, 16 permanent and 2 temporary. Unlike the situation last year, several of the jobs that did not necessarily require HSTM in the announcement did in fact go to those with training in history of science, technology, and medicine. Among these were two positions at Michigan Technological University and one at Bentley College, the directorships of the NASA history program and of the Bakken Library, and a program directorship at NEH. One of the jobs requiring history of science was changed during the search from permanent to temporary. There were, in all, 16 permanent and 11 temporary positions actually filled by historians of science, technology, and medicine, as compared to 20 permanent and 5 temporary positions last year.

Of the total of 27 historians of science, technology, and medicine who were hired, 21 were men and 6 (22.2%) women. Women constituted 21.5% of the applicant pool of the jobs for which we have the information. They received 3 of 16 permanent jobs, or 19%, and 3 out of 11, or 27%, of temporary jobs. The comparable figures for last year (counting all jobs for which historians of science were hired) were 20% and 40% (2 and 5). Women tended to fare better in temporary jobs and were still somewhat underrepresented in the applicant pools.

Of the 27 jobs, 18 were academic and 9 nonacademic. Among the latter group were 3 historical editors, 1 museum curator, 3 administrators of history-related programs in the federal government, one director of a private historical library, and one assistant on a joint project of the National Air and Space Museum and Johns Hopkins University. Nine of the academic positions were located in history departments, 4 in separate programs or departments of HSTM, 3 in social science or STS programs, and 2 in humanities programs.

In last year’s survey, a surprising number of the permanent academic jobs went to very recent Ph.D.s. This was not the case this year. There were only 9 permanent academic jobs filled (compared to 12 last year), 3 above the level of assistant professor, 2 by A.B.D.s, 3 by candidates

Continued on page 16

### History of Science Society Employment Market Survey 1982–1983 (continued)

<table>
<thead>
<tr>
<th>Institution</th>
<th>Description [field if teaching, job title if not]</th>
<th>Rank [if teaching]</th>
<th>Applicant pool Total</th>
<th>M</th>
<th>F</th>
<th>Person hired [gender, degree, date received, field [s]]</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Permanent</strong></td>
<td></td>
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<tr>
<td>Bakken Library</td>
<td>Director</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>M, M.A., HM + Museum Exp.</td>
</tr>
<tr>
<td>UCLA Biomedical Library</td>
<td>Head, Special Collection</td>
<td></td>
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<tr>
<td>Clarkson College</td>
<td>Liberal Studies Asst. [2 openings]</td>
<td></td>
<td></td>
<td>14</td>
<td>9</td>
<td></td>
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<tr>
<td>Columbia Medical Library</td>
<td>Special Collections Librarian</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Marquette</td>
<td>Eur. Intell./HS Asst.</td>
<td></td>
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<tr>
<td>Michigan Tech.</td>
<td>Social Sci./HT Asst./Assoc.</td>
<td></td>
<td></td>
<td>51</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Mississippi</td>
<td>Am. HS/Soc. Hist. Asst./Assoc.</td>
<td></td>
<td></td>
<td>77</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>NASA</td>
<td>Director, History Office</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Notre Dame</td>
<td>Liberal Studies Asst.</td>
<td></td>
<td></td>
<td>24</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Texas–Galveston</td>
<td>Med. Humanities [4 openings]</td>
<td></td>
<td></td>
<td>192</td>
<td>43</td>
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**NOTE:** Blank cells mean not applicable; cells marked — mean information was not available.

*Changed to a one year position.*
who received their degrees in 1979 or earlier, and one with degree year unknown.

Many institutions did not respond to the question asking about the quality of the applicant pool. Of those that did, most found the pool of historians of science, technology, and medicine to be ample and well qualified. One responder commented: "We found a large, well-qualified pool of applicants in a fairly short search. They tended to come from only a few programs, however — Penn, Harvard, Wisconsin, Toronto, Indiana."

A search chairman from an engineering school replied: "Received five applications from historians of science/technology; here, we had a very good, highly competitive pool of candidates — sociologists, political scientists, and others working in the STS area were less impressive." In one history of science search, it was noted that although there had been an "excellent pool by and large," a number of applicants were too narrowly trained in the history of modern science. Another respondent for a history of technology position stressed the importance of publications and added: "I would advise persons completing the Ph.D. dissertation to publish at least one substantial article as soon as possible rather than waiting to complete a book."

A few of the institutions desiring history in conjunction with some other area of expertise expressed disappointment. One Southern school complained that they had received "virtually no applications" from American historians specializing in science and technology. A respondent from a medical library noted that their ideal candidate would have had training in history of science in addition to the M.L.S. And as usual, a few of the jobs were so specialized that there was little to choose from. The respondent for the Space Telescope History Project replied: "No 'pool' identified."

This year a question was asked on the survey form concerning minority candidates. As far as is known, no minority candidates were hired, and information on numbers applying is generally not available.

This survey was undertaken by Toby A. Appel, Edison Papers and American Physiological Society, with the assistance of Kathryn Olesko, Georgetown University, on behalf of the Committee on Women. We would like to thank all who participated.

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<th>Events taking place in or with deadlines in</th>
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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.
THE 1984 HSS ELECTION

The following appeal by Frederic L. Holmes, then President of the Society, first appeared in the HSS Newsletter, Volume 11, Number 3, July 1982, on page 18. It is as pertinent now as then.

WHY VOTE?

Learned societies such as ours are governed through organizational structures that appear on paper democratic. It is far more difficult, however, to breathe democratic life into these structures than to give them democratic form. The memberships are typically scattered and diverse. The meetings are infrequent and include only a fraction of those eligible to participate. Inevitably much of the business of these societies, including the History of Science Society, is shaped by a relatively few members charged with particular functions, together with a sprinkling of others who maintain exceptional personal interest in the welfare of the Society. The central means by which the membership as a whole gains access to these processes is through its right to elect certain of its officers, the members of its governing council, and — most crucial of all — the nominating committee which will determine who is presented for subsequent elections. Such elections are themselves, however, often slender, fragile pillars of democracy; for in such societies the ballots, distributed with the necessity by mail, are typically returned by only a small proportion of the members. Margins of election are often only a few votes, a meager echo of decisions supposed to represent the collective choices of hundreds of members. In this Society we determined several years ago to guarantee the membership a real choice by requiring that at least two persons be nominated for each elective position. This effort at democratization entails serious drawbacks. More often than not the Nominating Committee must search diligently to find enough members both well qualified and willing to take on the obligations resulting from election. At least half of those who accept nomination must face rejection in the election. These disadvantages can only be justified, and this nominally democratic procedure can only become truly democratic, by a membership which responds vigorously to the opportunity represented in the ballot included in this Newsletter. I urge each of you to take the trouble to fill it out and return it promptly. The integrity of the History of Science Society rests ultimately upon your votes.

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 HUFRAUER, University of California, Irvine
SALLY GREGORY KOHLSHEDT, Syracuse University
RACHEL LAUDAN, Virginia Polytechnic Institute
RONALD NUMBERS, University of Wisconsin
BARBARA ROSENKRANTZ, Harvard University
MARGARET ROSSITER, Harvard University
PHILLIP R. SLOAN, University of Notre Dame

EDITH D. SYLLA, North Carolina State University
DEBORAH WARNER, Smithsonian Institution

Former presidents, ex officio

HARCOURT BROWN, Parry Sound, Ontario
MARCUS CLAGETT, Institute for Advanced Study
I. BERNARD COHEN, Harvard University
CHARLES C. GILLISPE, Princeton University
JOHN C. GREENE, University of Connecticut
HENRY GUERLAC, Cornell University
ERWIN N. HIEBERT, Harvard University
FREDERICK 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
CANDIDATES’ BIOGRAPHIES

FOR VICE-PRESIDENT

William Coleman

■ 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 opportunities 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 Association for the Advancement of Slavic Studies, former Treasurer; Sociology of Sciences Yearbook, Editorial Board; Social Studies of Science, Board of Editorial

HISTORY OF SCIENCE SOCIETY
SAMPLE BALLOT

Candidates for Vice-President.
Vote for 1 of the 2 candidates.

_____ William Coleman
_____ Loren R. Graham

The final ballot will be mailed separately to all individual members in early September, along with such other nominations as have reached the Secretary by 1 September 1984.

Candidates for Council.
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

■ 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, Ostris, 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 societies, 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.

FOR COUNCIL

**Alan Beyerchen**


**Muriel L. Blaisdell**


**Robert G. Frank, Jr.**


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**William Coleman**  
**Loren R. Graham**  
**Alan Beyerchen**  
**Muriel L. Blaisdell**  
**Robert G. Frank, Jr.**

**Judith V. Grabiner**


**Timothy Lenoir**


**Jane Maienschein**


**Michael R. McVaugh**


**Helena Pycior**


**Alan J. Rocke**

Associate Professor, Program in the History of Science and Technology, Case Western Reserve University. Ph.D., University of Wisconsin—Madison, 1975. Selected specialties: post-Renaissance physical sciences and technology; nineteenth-century chemistry; atomic and structure theories; science and society; energy and food technologies; nuclear weapons and arms control. Selected professional activities: Physicians for Social Responsibility (Northeast Ohio),
FOR THE NOMINATING COMMITTEE REPRESENTATIVES FROM COUNCIL

Gerald L. Geison

Frederick Gregory

Owen Hannaway

Karl Hufbauer

Jeffrey L. Sturchio
Sally Gregory Kohlstedt

Associate Professor, Syracuse University. Ph.D., University of Illinois, 1972. 
| Specialty: American scientific institutions. 
| Professional activities: History of Science Society — former Secretary on various committees, including the Committee on Women, for nearly a decade. 
| Selected publications: articles published in Isis, Science, and other journals; a monograph on the early American Association for the Advancement of Science. 
| Current projects: a major study of museums of natural history in nineteenth-century America and an edited volume on science in America for the newly revived Osiris. She would hope to have a balanced slate on which the diverse talents of Society members — both those with considerable experience and those with fresh enthusiasms — would be represented.

Ronald L. Numbers

| Specialties: science and medicine in America; science and religion. 
| Professional activities: History of Science Society — Isis Advisory Editor, 1982–present; Program Committee, Co-Chair, 1981; Council member, 1983–present; American Association for the History of Medicine, Council member, 1977–1980. 

FOR THE NOMINATING COMMITTEE REPRESENTATIVES AT LARGE

B. J. T. Dobbs

Associate Professor of History, Northwestern University. Ph.D., University of North Carolina, Chapel Hill, 1974. 
| Selected publications: The Foundations of Newton’s Alchemy, or “The Hunting of the Greene Lyon” [Cambridge, 1975] and numerous articles and reviews. 
| Current projects: a second volume on Newton’s alchemy [The Role of Alchemy in Newton’s Thought]; co-editing a comprehensive edition of Newton’s chemical/ alchemical and theological papers [Cambridge Univ. Press, forthcoming].

Mary Jo Nye

Associate Professor of the History of Science, University of Oklahoma. Ph.D., University of Wisconsin, 1970. 
| Specialties: nineteenth-century physics and chemistry, French science, science and politics. 

Lewis Pyenson

Professeur agrégé, Université de Montréal. Ph.D., Johns Hopkins University, 1974. 

Dorothy Ross

Associate Professor of History at the University of Virginia. Ph.D., Columbia University, 1965. 
| Specialties: American intellectual history; history of the behavioral and social sciences in America. 
| Professional activities: worked for the American Historical Association on the status of women. 
COMMITTEE REPORTS AND ANNOUNCEMENTS

Executive Committee — Funds for Local Societies

At the most recent meeting of the Executive Committee of the History of Science Society (held in New York City on 29 May 1984), it was decided that $1000 should be made available to support programs of regional and local societies that sponsor activities related to the history of science. It is also the intention of the Executive Committee to compile and maintain a list of all such regional societies. With this in mind, the directors, presidents, chairs, secretaries, or any others with information about local societies are requested to send details of their organizational structure and ongoing activities to the Secretary of the HSS Society, Dr. Audrey B. Davis, National Museum of American History Room 5000, Washington, DC 20560. Please include the exact name and mailing address of the society, a list of its current officers, the frequency and nature of meetings, and approximate local membership. If the society maintains any sort of newsletter or mailing list, this information would also be helpful. Any indication of the extent to which funding is available for local meetings and of how funds from the national History of Science Society might help to encourage or enhance local activity and interest in the history of science would be appreciated.

A closely related project of the HSS Executive Committee is the compilation of a directory of all national professional societies, academies, and associations that maintain sections or divisions for the history of science. Members or directors of such organizations are also requested to contact Dr. Audrey Davis with appropriate details of the extent and nature of their activities related to the history of science.

Committee on Women

Helena Pycior and Ruth Schwartz Cowan advise that the following projects are now before the Committee on Women (CW); they remind members that volunteers are needed for all areas.

The goal of the Bibliography Project, coordinated by Michele Aldrich and Helena Pycior, is to produce a guide (possibly annotated) to bibliographies on the history of women in science, technology, and medicine — a comprehensive list useful to historians and scientists. HSS members are urged to submit lists of the bibliographies on the history of women in science, technology, and medicine regularly used in their research and teaching. Volunteers are needed to annotate entries and carry out similar tasks. The tentative completion date is December 1984.

Alice Stroup is revising the Directory of Women in the History of Science and Technology to include women in the history of science, medicine, and technology; the tentative completion date is December 1984. Volunteers with access to word-processing equipment compatible with the IBM System 6, which uses eight-inch diskettes, are asked to contact Alice Stroup directly. Every CW member should submit a completed directory questionnaire as soon as possible.

CW also plans to develop a roster of scholars working in the history of women in science, technology, and medicine, to serve in the long run as a network for these scholars. The roster will include historians, scientists, engineers, physicians, and similar professionals; plans include publication of a newsletter. Leslie Burlingame will chair the planning committee. Again volunteers are needed; please contact Ruth Cowan or Helena Pycior.

A study of mentoring patterns in the history of science was recently suggested as an appropriate investigation for CW. The study would attempt to answer questions along these lines: Which professors in the history of science have served as advisors to female graduate students? Which have really helped their female students? Which have not? The CW needs volunteers interested in designing an appropriate questionnaire and in implementing it.

The issue of double-blind reviewing for Isis was raised in Norwalk. CW asks members whether it should be raised in Chicago, and if so, how.

At the meeting of the CW at the HSS annual meeting in Norwalk, October 1983, Toby Appel reported that the preliminary statistics of the job survey of positions available to women during the 1982-1983 academic year showed that fewer jobs were available than in previous years and the percentage of women hired was not as high. Martha Webb of Creighton University and Erik Erikson of Brown University will conduct the job survey for the 1983-1984 academic year. [The 1982-1983 survey is published in this issue of the Newsletter.]

Margaret Rossiter reported on the session on women in the history of science, technology, and medicine held at the XVIIth International Congress of History of Science in Budapest, August 1983. CW discussed the possibility of holding a session on pedagogical aspects of the history of women in science and technology at the XVIIth International Congress in Berkeley, July and August 1985. The possibility of producing a continuing series of bibliographical articles on this topic was also discussed.
History of Science Society Annual Meeting

The Palmer House
Chicago, Illinois
27–30 December 1984

A joint meeting with the American Historical Association, marking the hundredth anniversary of the birth of George Sarton, the sixtieth anniversary of the founding of the History of Science Society, and the hundredth anniversary of the establishment of the American Historical Association.

1984 Program Committee
David B. Kitts (University of Oklahoma)
Mary Jo Nye (University of Oklahoma)

1984 Local Arrangements Committee
Joe D. Burchfield (Northern Illinois University)
Allen G. Debus (University of Chicago)
Robert J. Richards (University of Chicago)

The final program to be handed out at the meeting may show changes and additions.

Thursday, December 27

HSS Executive Committee Meeting
9:00 a.m.–2:00 p.m. Palmer House, Private Suite

HSS Council Meeting
2:00 p.m.–10:30 p.m. Palmer House, Private Dining Room
11, Third Floor

Registration
6:00 p.m.–9:00 p.m. Palmer House, Sixth Floor Desk
Also Friday, 9:00 a.m.–5:00 p.m. and Saturday, 9:00 a.m.–12:00 noon

Cash Bar
7:00 p.m.–9:00 p.m. Palmer House, Sixth Floor Foyer

All Palmer House meeting rooms are on the Sixth Floor unless otherwise noted.

Book Display
Hyatt Regency, Lower Exhibition Level

The History of Science Society Book Display is a joint exhibit with that of the American Historical Association.

Job Exchange
Persons who register for the History of Science Society Meeting may use the Job Registration Service of the American Historical Association.

Friday, December 28

1. Mechanical Timekeeping
9:00 a.m.–12:00 noon. Palmer House, Parlor H

Chair: Seth Atwood (The Time Museum, Rockford, Illinois)
David Landes [Harvard University]: Time in the Service of Science
Seth Atwood and William Andrewes (The Time Museum): Clocks and Watches: Part I
All-Speakers Panel Discussion
Break (10:20 a.m.–10:35 a.m.)
Anthony Turner (Le Mesnil-le-Roi, France): The Influence of Timekeepers on Nonmechanical Time-Measuring Instruments and Related Conceptions of Time
Seth Atwood and William Andrewes (The Time Museum): Clocks and Watches: Part II
All-Speakers Panel Discussion

2. Investigating Natural History:
Museums and Laboratories
9:00 a.m.–11:30 a.m. Palmer House, Parlor F

Chair: Ernst Mayr (Museum of Comparative Zoology, Harvard University)
Mary P. Winsor [University of Toronto]: *Alexander Agassiz and the "Museum Idea"

Keith R. Benson [University of Washington]: *Marine Biology Laboratories: From Summer Camp Meetings to Research Centers, 1880–1930*

Ronald Rainer [Texas Tech University]: *For Knowledge and Enlightenment: Vertebrate Paleontology at the American Museum of Natural History, 1890–1910*

Comment: Charlotte Porter [Florida State Museum]

Edward Lurie [University of Delaware]

3. The Chemical Crusades, 1914–1940:
Studies in the Public Relations of Science
9:00 a.m.–11:30 a.m. Palmer House, Parlor B

Chair and comment: Jeffrey L. Sturchio [New Jersey Institute of Technology]

David J. Rhee [University of Pennsylvania]: "Making the Nation Chemically Conscious": The Popularization of Chemistry, 1914–1940

Germaine M. Reed [Georgia Institute of Technology]: *Preaching the Chemical Word: Charles Holmes Herty and the Campaign to Popularize Chemistry in America*

David E. Wright [National Endowment for the Humanities]: *William Jay Hale, the Chemurgists, and the Intellectual Roots of Alternative Technology*

4. Physical Science in American Universities, 1890–1940
(Works in Progress)
9:00 a.m.–10:00 a.m. Palmer House, Parlor A

Chair: Judith R. Goodstein [California Institute of Technology]

Dale M. Johnson [Hampden-Sydney College]: *Mathematical Research in the United States from 1890: The Case of the University of Chicago*

Paul Thereman [Smithsonian Institution]: *The Physical Sciences at the University of Chicago, 1892–1940*

Lisa Mae Robinson [University of Pennsylvania]: *Separate Scientific Spheres: E. F. Smith’s Women Students in Chemistry at the University of Pennsylvania, 1890–1920*

5. The Debate over Science in the Institutions of Early Modern Europe
9:30 a.m.–11:30 a.m. Hyatt-Regency

Joint session with the American Historical Association

Chair: Nicholas Steneck [University of Michigan]

David Lux [Virginia Polytechnic Institute and State University]: *Early Reactions to the Establishment of the Paris Académie Royale des Sciences*

Mordechai Feingold [Harvard University]: *Tradition versus Novelty: Universities and Scientific Societies in the Early Modern Period*

Harold J. Cook [Harvard University]: *The Medical Profession and the Debate over the Royal Society of London in the 1660s*

Comment: John Heilbron [University of California at Berkeley]

6. Science and Public Values in Modern America
(Works in Progress)
10:00 a.m.–11:00 a.m. Palmer House, Parlor A

Chair: Judith R. Goodstein [California Institute of Technology]

Joel Genuth [Massachusetts Institute of Technology]: *Research at MIT and the Origins of the National Science Foundation*

Albert E. Moyer [Virginia Polytechnic Institute and State University]: *The Tension between Democratic and Elitist Values in American Physics*

Peter J. Kuznick [University of Maryland]: *Beyond the Laboratory: Scientists as Political Activists in 1930s America*

7. American Science in the Twentieth Century
(Works in Progress)
11:00 a.m.–12:00 noon. Palmer House, Parlor A

Chair: Michael M. Sokal [Worcester Polytechnic Institute]

Deborah Fitzgerald [University of Pennsylvania]: *Agricultural Research in the Invisible College: The Illinois Agricultural Experiment Station*

Richard Gillespie [University of Pennsylvania]: *The Factory as Laboratory: An Ethnography of an Experiment in Industrial Sociology*

John S. Carson [Princeton University]: "Intelligence" and the Rhetorical Construction of Community

Field Museum Tour
12:00 noon–2:30 p.m.

A guided tour for twenty people, especially designed for those interested in the history of museum exhibition and research. Arranged through the Field Museum’s Department of Geology. Transportation will be by taxi, and lunch will be available at the Field Museum public dining area.

Reservations must be made in advance. Please contact: Joe D. Burchfield, Local Arrangements Committee.

Luncheon of the Council of Friends of the History of Science [by invitation]
12:00 noon–1:30 p.m. Palmer House, Crystal Room, Third Floor

For additional luncheons not listed in the program, inquire at the HSS Registration Desk, Palmer House.

HSS Business Meeting
1:30 p.m.–2:45 p.m. Palmer House, Monroe Room
8. New Directions in the History of Science in Latin America
2:30 p.m.-4:30 p.m. Hyatt Regency
Joint session with the American Historical Association
Honorary Chair: Dirk J. Struik (Massachusetts Institute of Technology)
Chair: Juan José Saldana (Universidad Nacional Autónoma de México)
Frank Safford (Northwestern University): *The Ideal and the Practical: Technical Careers in Colombia during the Nineteenth and Twentieth Centuries*
Nancy Stepans (Columbia University): *Eugenics, Genetics, and Public Health, 1900-1930: A Brazilian Connection*
Lewis Pyenson (Université de Montréal): *Styles of Diffusion in Exact Sciences: French and German Researchers in Latin America, 1840-1940*
Comment: Tulio Halperin Donghi (University of California at Berkeley)
Thomas F. Glick (Boston University)
Eduardo L. Ortiz (Imperial College, London)

9. Pedagogical Challenges in Teaching the History of Women in Science, Medicine, and Technology
3:00 p.m.-5:30 p.m. Palmer House, Parlor H
Sponsored by the HSS Committee on Women
Chair: Ruth Schwartz Cowan [SUNY at Stony Brook]
Panel
Margaret Rossiter [American Academy of Arts and Sciences]: *On a Course on Women’s History*
Ann Fausto Sterling [Brown University]: *On a Science Course*
Martha Ellen Webb [Creighton University]: *On a History of Science Course*
Chris Anne Raymond [Museum of Science and Industry, Chicago]: *On Science Museums.*
Open Discussion
Written materials will be distributed at the session’s close.

10. Presenting Natural History: Exhibitions and Museums
3:00 p.m.-5:30 p.m. Palmer House, Parlor F
Chair: William Coleman [University of Wisconsin]
Susan Sheets-Pyenson [Concordia University]: *Civilizing by Nature’s Example: Science in Colonial Museums*
Robert Rydell [Montana State University]: *Eugenics Hits the Road: The Idea of “Race Betterment” at Fairs and Museums in the World War I Era*
Comment: Curtis Hinsley [Colgate University]
Sally Gregory Kohlstedt [Syracuse University]

11. National Security and the Post-war Science Establishment
3:00 p.m.-5:30 p.m. Palmer House, Parlor B
Chair: Allan A. Needell [National Aeronautics and Space Museum, Smithsonian Institution]
Alex Roland [Duke University]: *The Institutionalization of Science in the Military Establishment*
Walter McDougall [University of California at Berkeley]: *NASA, Prestige, and Total Cold War — The Expanded Purview of National Security*
Comment: A. Hunter Dupree [Brown University]

12. Understanding Aristotle’s Biology
3:00 p.m.-5:30 p.m. Palmer House, Parlor A
Chair: Joan Kung [Marquette University]
James G. Lennox [University of Pittsburgh]: *Aristotle’s Zoology as Explanatory Science*
Allan S. Gotthelf [Trenton State University]: *How What Is Good Can Be A Cause: Teleological Explanation in Aristotle’s Biology*
Comment: John Beatty [Arizona State University]

Meeting of the HSS Women’s Committee
5:30 p.m.-6:30 p.m. Palmer House, Parlor H

Exhibit and Cocktail Party Hosted by the Adler Planetarium
6:00 p.m.-7:30 p.m.
Tickets will be distributed to preregistered HSS members and spouses only. Transportation will be provided between the Palmer House and the Adler Planetarium. Transportation will begin at 5:00 p.m.

Dinner for the Isis Editorial Board
7:45 p.m.-9:30 p.m. Palmer House, Private Dining Room 4, Third Floor

13. History of Science in the Undergraduate Curriculum
8:30 p.m.-10:30 p.m. Palmer House, Parlor F
Sponsored by the HSS Committee on Education
Chair: Stanley Goldberg [Smithsonian Institution]
Panel: Joan Cadden [Kenyon College]
Roger Stuewer [University of Minnesota]
Jeffrey L. Sturchio [New Jersey Institute of Technology]
Open Discussion
In this session, scholars from three different types of academic institutions without a department in the history of science will discuss the context in which history of science is taught at their institutions and reflect on how the structure and mission of the institution bears on the reception of the field by students, and on the relationship of history of science to other academic disciplines at their institutions.

Saturday, December 29

14. History of Solid-State Physics
9:00 a.m.-12:00 noon. Palmer House, Parlor H
15. **American Women in Mathematics**
9:00 a.m. - 11:30 a.m. Palmer House, Parlor B

Chair: Helena M. Pycior (University of Wisconsin at Milwaukee)
Jeanne LaDuke (DePaul University): American Women in Mathematics: The Pre-World War II Ph. D.s
Judy Green (Rutgers University at Camden): Christine Ladd-Franklin
Uta C. Merzbach (Smithsonian Institution): Mathematics at Bryn Mawr: The First Fifty Years
Comment: Ann Hibner Koblitz (University of Washington at Seattle)

16. **Psychology and Perceptual Theory during the Scientific Revolution**
9:00 a.m. - 11:30 a.m. Palmer House, Parlor F

Chair and Comment: David C. Lindberg (University of Wisconsin)
Stephen Straker (University of British Columbia): What is the History of Theories of Perception the History of?
A. Mark Smith (University of California at Riverside): Knowing Things Inside Out: Why Early Modern Science Was Nonsense
Peter Machamer (University of Pittsburgh): Faculties vs. Mechanisms

17. **English Science in the Seventeenth and Eighteenth Centuries [Works in Progress]**
9:00 a.m. - 10:00 a.m. Palmer House, Parlor A

Chair: Allen G. Debus (University of Chicago)
James Altena (University of Chicago): Johann Glauber and the Hartlib Circle: Punicelarian Chemistry and the Agricultural Revolution in Puritan England
Anita Guerrini (American Philosophical Society): The Tory Newtonians: Gregory, Pitcairne, and their Circle, 1690-1715
Sara Schechner Genuh (Adler Planetarium): From Monstrous Signs to Natural Causes: The Assimilation of Comet Lore into Seventeenth and Eighteenth Century Natural Philosophy

18. **The Theological Structure of Victorian Science**
9:30 a.m. - 11:30 a.m. Hyatt-Regency
Joint session with the American Historical Association and the North American Conference on British Studies

Chair: James G. Paradis (Massachusetts Institute of Technology)
Neal C. Gillespie (Georgia State University): Changing Patterns of Natural Theology and the Growth of Natural History in Britain
John R. Cornell (University of Georgia): Theology and Theory: The Influence of Creationist Conceptions on Darwin’s Teaching
Bernard Lightman (University of Oregon): Scientific Agnosticism and the New Natural Theology
Comment: Frank M. Turner (Yale University)

19. **Medicine and Science: From Witchcraft to Computing [Works in Progress]**
10:00 a.m. - 11:15 a.m. Palmer House, Parlor A

Chair: Audrey B. Davis (Smithsonian Institution)
Ronald C. Sawyer (University of Wisconsin): “Strangely Handled in All Her Lyms”: Witchcraft and Illness in Early Seventeenth-Century England
Susan C. Lawrence (University of Toronto): Science and the Medical Student in Late-Hanoverian London
Bonnie Kaplan (University of Cincinnati): The Medical Computing “Lag”: Influences on Scientists’ Creation of History

Meeting of the Organization for Historians of Science in America
11:30 a.m. - 12:30 p.m. Palmer House, Parlor A

Luncheon for Osiris Editorial Board
12:00 noon - 2:00 p.m. Palmer House.
Room to be announced.

20. **The Shift to Large National Research Facilities**
2:00 p.m. - 4:30 p.m. Palmer House, Parlor H

Chair: Spencer Weart (American Institute of Physics)
Allan A. Needell (Smithsonian Institution): AUI, NSF and Radio Astronomy: A Case Study of Management in the Transition to Very Big National Research Facilities
Lillian Hoddeson (University of Illinois): Fermilab and the First Superconducting Magnet Accelerator: Technological Innovation in the Large Laboratory Context
Leon Lederman (Fermi National Accelerator Laboratory): The Evolution of Super-Laboratories: Growth, Centralization and the Large Laboratory Phenomenon
Comment: Robert Seidel (University of California at Berkeley): Comments and Comparisons with Lawrence-Livermore, Lawrence-Berkeley and Los Alamos Scientific Laboratory
21. Religion and Science in the Seventeenth Century  
2:00 p.m. - 4:30 p.m. Palmer House, Parlor B  
Chair: Lynn Joy (Vanderbilt University)  
Gary B. Deason (St. Olaf College): Hermetic Adam and Bacon’s Great Instauration of Human Dominion Over Nature  
Edward C. Ruestow (University of Colorado): Piety and the Defense of Natural Order: Swammerdam on Generation  
Margaret J. Osler (University of Calgary): Baptizing Epicurean Atomism: Pierre Gassendi on the Immortality of the Soul  
Comment: William Ashworth (Linda Hall Library and University of Missouri at Kansas City)  

22. Editing Darwin  
2:00 p.m. - 4:30 p.m. Palmer House, Parlor F  
Chair: Everett Mendelsohn (Harvard University)  
Frederick Burkhardt (Darwin Correspondence Project): The Darwin Correspondence Project: A Status Report  
Sandra Herbert (University of Maryland-Baltimore County): On the Role of Interpretation in Editing  
David Kohn (Drew University): The Archival Darwin: Text and Context  
Comment: Phillip Sloan (University of Notre Dame) and David Cassidy (Einstein Papers Project)  

23. Nineteenth-Century Physical Science (Works in Progress)  
2:00 p.m. - 3:00 p.m. Palmer House, Parlor A  
Chair: Karl Hufbauer (University of California at Irvine)  
Gregg de Young (Stonehill College): Sir William Huggins and the Origins of Cosmic Chemistry: Serendipity and the Prepared Mind  
John H. Wotiz (Southern Illinois University): Kekulé’s Fictitious Dreams  
David F. Channell (University of Texas at Dallas): W. J. M. Rankine and the Concept of Stream-Lines  

2:30 p.m. - 4:30 p.m. Hyatt-Regency  
Joint session with the American Historical Association  
Chair: Daniel J. Revles (California Institute of Technology)  
Sally Gregory Kohlstedt (Syracuse University): History in the Naturalists’ Tradition: George Brown Goode and Turn-of-the-Century Studies of American Science  
Nathan Reingold (Smithsonian Institution): Uniformity as Hidden Diversity: History of Science, 1920-1940  
Comment: David Hollinger (University of Michigan) and Loren R. Graham (Massachusetts Institute of Technology)  

25. Science and Mathematics in the German Tradition (Works in Progress)  
3:00 p.m. - 4:00 p.m. Palmer House, Parlor A  
Chair: Karl Hufbauer (University of California at Irvine)  
David Cahan (University of Nebraska): Pure Science and Industrial Demand in Imperial Germany: The Case of the Physikalische-Technische Reichsanstalt  
David E. Rowe (Pace University): Felix Klein’s Philosophy of Mathematics and its Relation to Relativity Theory  
John Norton (University of Pittsburgh): Einstein and the Principle of Equivalence  

26. Topics in Astronomy (Works in Progress)  
4:00 p.m. - 5:15 p.m. Palmer House, Parlor A  
Chair: Joan N. Warnow (American Institute of Physics)  
Liba Chaia Taub (University of Oklahoma and University of Texas at Austin): The Larger Contexts of Plato’s Astronomy  
Daniel A. Beck (University of Notre Dame): Life on the Moon! A Short History of the Hansen Hypothesis  
Michael J. Crowe (University of Notre Dame): Giovanni Schiaparelli’s Contribution to Astronomy: A Reassessment  

The History of Science Society Lecture  
5:30 p.m. - 6:30 p.m. Palmer House, Adams Room  
Introduction: Charles C. Gillispie (Princeton University)  

HSS Cocktail Party (Cash Bar)  
6:30 p.m. - 7:30 p.m. Palmer House, Mezzanine  

HSS Annual Banquet  
7:30 p.m. - 9:30 p.m. Palmer House, Empire Room  
Presentation of HSS Awards and Prizes and President’s Address by Gerald Holton  

Graduate Student Party  
9:30 p.m. - 11:00 p.m. Palmer House, Private Dining Room 9, Third Floor  
Open to HSS student members and their guests.  

Sunday, December 30  

27. Victorian Perspectives on Scientific Method  
9:00 a.m. - 11:30 a.m. Palmer House, Parlor H  
Chair: Arnold Thackray (University of Pennsylvania)  
Margaret Schabas (Michigan State University): In Defense of Science: W. S. Jevons and J. S. Mill  
David B. Wilson (Iowa State University): Educating Cambridge’s Physicists, 1835-1855
Christopher Hamlin [Michigan State University]:
Scientific Method and the Expert-Witness Trade in Victorian Britain
Comment: Victor Hils [University of Wisconsin]

28. Mathematical Physics and Natural Philosophy at Fourteenth-Century Oxford
9:00 a.m.–11:30 a.m. Palmer House, Parlor A
Chair: Steven D. Sargent [Union College]
André Goddu [University of Notre Dame]: Ockham's Argument for Action at a Distance
Steven J. Livsey [University of Oklahoma]: Thomas Bradwardine and the Legitimacy of the Quantification of Motion
Edith Sylla [North Carolina State University]:
The Oxford Calculators and Mathematical Physics: John Dumbleton's Summa Logicae et Philosophiae Naturalis, Books II and III
Comment: Edward Grant [University of Indiana]

29. Looking Eastward: U.S. Scientists on Science and Scientists in Europe
9:00 a.m.–11:30 a.m. Palmer House, Parlor B
Chair: Nathan Reingold [Smithsonian Institution]
Mott T. Greene [University of Washington]:
Geology: 1820–1980
Philip J. Pauly [Rutgers University]: American Biology in Wilhelmine Germany: Another Look at Innocents Abroad
Robert W. Seidel [University of California at Berkeley]:
How They Saw the Old World: In European Laboratories in the 1920s
Open Discussion

30. Modern Biology and Social Science I [Works in Progress]
9:00 a.m.–10:00 a.m. Palmer House, Parlor F
Chair: Paul Farber [Oregon State University]
Ralph W. Dexter [Kent State University]: Louis Agassiz's Lectures on Design in Nature
Michael A. Osborne [University of Wisconsin]:
Competition and Compromise: The Paris Museum and the Jardin d'Acclimatation During the Second Empire
Jan Butin Sloan [University of Kansas]: Accommodating to Discrimination: Transfer of Women's Patronage from Woods Hole to Naples

31. Modern Biology and Social Science II [Works in Progress]
10:00 a.m.–11:00 a.m. Palmer House, Parlor F
Chair: Robert A. Nye [University of Oklahoma]
Lois N. Magner [Purdue University]: Eliza Burt Gamble on Sex, Science, and History
Paul Fayter [University of Toronto]: Nature and Natural Theology in Victorian Scientific Naturalism
Mark Shale [University of Wisconsin]: William McDougall and the Decline of the Instinct Theory in the Social Sciences

32. Modern Biology and Social Science III [Works in Progress]
11:00 a.m.–12:00 noon. Palmer House, Parlor F
Chair: Paul Farber [Oregon State University]
Carl Jay Bajema [Grand Valley State Colleges]:
The History of Evolution by Sexual Selection Theory in the Twentieth Century
Margaret Somosi Saha [Evanson, Illinois]:
An Alternative Approach to the Study of Heredity: German Theories of Inheritance, c. 1915–1935
Joel B. Hagen [Yankton College]: The Rise of Ecology and Its Impact upon Biogaphy

AHA Centennial Session. HSS Sarton Centennial Session.
1:00 p.m.–3:00 p.m. Hyatt Regency
Joint session with the American Historical Association and the Society for the History of Technology
Chair: Bradford B. Blaine [ Scripps College, Claremont]
Lynn White, Jr. [University of California at Los Angeles]: Differing Attitudes Toward Technological Innovation in Ancient Rome, Byzantium, Islam, and the Medieval West
Comment: Nathan Sivin [University of Pennsylvania]:
Chinese Technology
David Pingree [Brown University]:
Indian Technology
Amhed Y Hassan [University of Toronto and Institute for the History of Arabic Science, University of Aleppo]: Islamic Technology

The following sessions are jointly sponsored by the AHA and SHOT

The State and Technological Change: Large Scale Electrical Systems in the Twentieth Century.
Chair: W. Bernard Carlson [Michigan Technological University]; Papers: Christopher Armstrong and H. V. Nelles [York University], Jonathan Coopersthis [Oxford University], and Edmund N. Todd [University of Maryland]; Comment: Thomas R. McCraw [Harvard University]

Technological Literacy and History: Examining How the Concept of Technological Progress is Used in History.
Chair and Comment: Julia Bonham [North Carolina State University]; Papers: John Staudenmaier [University of Detroit], Susan J. Douglas [Hampshire College], and Howard P. Segal [Ann Arbor, Michigan]; Comment: Hamilton Cravens [Iowa State University]

Technology, Family, and Work Culture in French Industrialization
Chair: Christopher H. Johnson [Wayne State University]; Papers: Daryl M. Hafer (Eastern Michigan University), Gay L. Gullickson [University of Maryland], and Michael P. Hanagan (Columbia University); Comment: Christopher H. Johnson and Franklin Mendels
A TOUR OF CHINA

BY AUDREY B. DAVIS

After five years of sending tourists to China, the Smithsonian Associates in collaboration with Academic Travel of Washington, DC, has become the American leader in sponsoring and planning trips to this country. In April, I had the opportunity to visit six Chinese cities as the Smithsonian representative for the first trip scheduled in 1984. Leslie Swartz, Curator of the Boston Children's Museum and Specialist in Chinese Studies of the Harvard East Asian program, was the study leader for the group of twenty-nine tourists.

The cities visited were Beijing (Peking), Xian, Luoyang, Wuxi, Suzhou, and Shanghai. Our group was conducted to art, history, and cultural museums, religious, political, and cultural monuments; temples and palaces; and schools, communes, and factories. Of special note are the famed terra cotta army statues discovered in Xian in 1973, the Great Wall, and the Shanghai Historical Museum. A selection of one hundred pieces from this museum is touring the United States and will be on view at the National Museum of Natural History from 11 August until the end of November 1984. A well informed national guide, Mrs. Hua, and local guides from each city met and accompanied the group, giving talks about the history of each area and answering questions on its history and prevailing culture. Comments and responses were candid.

The contrast between Chinese and American cities and countryside is definite and pleasing to the Western visitor. All the terrain viewed from planes, trains, boats, and buses is carefully landscaped; most of it is farmed. Litter is not seen; advertisements are rare. The people are always friendly and welcome visitors, which makes the foreigner unusually comfortable and intrigued by the Chinese language and culture.

We were graciously received at every stop and given opportunities to tape record and photograph historical subjects and objects as well as the people going about their daily lives. Children were present in every setting and invariably received most of the attention.

Highlights for historians of science included the Beijing Historical Museum, in which models of early Chinese inventions are on display; the production techniques in silk, tractor, and other factories; and farming and agricultural research and methods.

Chinese students and scholars are interested in American scholarship and projects. Historians of science, technology, and medicine who have extra reprints, monographs, and books are encouraged to send them to scholars at Chinese universities. Many students study English and are eager to learn and practice the language. Discussions with the Chinese people and with students of Chinese culture suggest that these materials will be read, studied, and shared. Members of HSS have an opportunity to extend interest in their discipline and provide the basis for another link between the Chinese and Americans. (Materials may be sent to the Research Institute for the History of the Natural Sciences, Academica Sinica, Beijing, PRC.)

PUBLICATIONS

Members of the History of Science Society who have published books relevant to the history of technology or books of interest to historians of technology are invited to participate in the book exhibit of the 1984 annual meeting of the Society for the History of Technology in Cambridge, Massachusetts, on 1-4 November 1984. SHOT encourages you to contact your publisher and urge them to display their current booklist. For further information contact Larry Cohen at the MIT Press, 18 Carleton Street, Cambridge, MA 02142, telephone [617] 253-1693, or M. R. Smith, Chair of Local Arrangements, Program STS, MIT, ES1-228, Cambridge, MA 02142.

Concordances to Charles Darwin's "Sketch of 1842" and "Essay of 1844" as published in Evolution by Natural Selection (Cambridge, 1958) have been prepared using Princeton University's IBM 3081 computer. In conjunction with the Concordance to Darwin's Origin of Species, First Edition (Cornell Univ. Press, 1842-1844) and "Essay of 1844" as published in Evolution by Natural Selection (Cambridge, 1958) have been prepared using Princeton University's IBM 3081 computer. In conjunction with the Concordance to Darwin's Origin of Species, First Edition (Cornell Univ. Press, 1844)

Call for Photos

The January Newsletter ran for the first time photographs of Society members going about Society business, and readers responded enthusiastically. The Newsletter staff is eager to publish more photographs and invites members to send pictures of themselves and others engaged in activities related to the history of science: meetings, colloquia, workshops, exhibits, demonstrations of equipment, even teaching and research. Please send these photographs to the Society's Secretary, Audrey B. Davis, The National Museum of American History, Room 5000, Smithsonian Institution, Washington, DC 20560, or directly to the Publications Office, History of Science Society, 215 South 34th Street/ D6, Philadelphia, PA 19104. Photographs will be returned if not run within a year.
1981] these new concordances have been compiled to facilitate comparisons between Darwin's earlier and later conceptions of evolution. For further information, contact James R. Fleming, Program in History of Science, Princeton University, 220 Palmer Hall, Princeton, New Jersey 08544.

AMS Press, Inc., announces that Volume VI, new series, of The Eighteenth Century: A Current Bibliography was published in April 1984. Future volumes will appear on a regular basis. This is the oldest interdisciplinary bibliography in humanistic studies and was known formerly as English Literature, 1660-1800: A Bibliography of Modern Studies. The current list price is $75.00 per volume, but the set is available to members of the International Society for Eighteenth-Century Studies at the special price of $25 per volume, postage and handling costs included. Please address all orders and inquiries to AMS Press, Inc., 56 East 13th Street, New York, NY 10003.

A facsimile edition of Richard Lower's Vindicatio, A Defence of the Experimental Method, introduced, edited, and translated by Kenneth Dewhurst, has just been published. This rare work by a leading seventeenth-century physician and physician is also one of the most vituperative books in the history of medicine; in it Lower defends Thomas Willis on fevers and William Harvey on the physiology of circulation. The edition is limited to 250 numbered and signed copies, and the price is £25; it is available from Sandford Publications, Manor House, Sandford-on-Thames, Oxford OX4 4YN, England.

The National Endowment for the Humanities announces that its 18th Annual Report is now available. The report contains brief descriptions of endowment programs and policies and a complete listing of all endowment grants, entered by the division and program in which they were funded, for fiscal year 1983 (1 October 1982 through 31 September 1983). Single copies may be obtained from the NEH Public Affairs Office, Room 409, 1100 Pennsylvania Avenue, NW, Washington, DC 20506.

The Proceedings of the Sixteenth Wolfenbuttel Symposium will be published later this year. The symposium, which focused on alchemy in European culture and science during the early modern period, met 2-5 April 1984 at the Herzog August Library in Wolfenbuttel, West Germany. The conference was the work of many, but especially of Christoph Meinel of the Institute for the History of Science, Hamburg University. European and American historians of science, art historians, and humanists gathered to trade ideas on the definition, place, and role of alchemy in cultural and scientific contexts. The symposium reflected the current research threshold in the history of alchemy from the Middle Ages to the eighteenth century.

Synthesis, Harvard's undergraduate history and philosophy of science journal, plans to go to press four times a year — once in the fall, once in the winter, and twice in the spring — and is soliciting submissions and subscriptions. At present the plan is to charge $2.50 per copy and $10 per year. Please contact Sarah Tracy, Editor, Synthesis, Science Center 235, History of Science Department, Harvard University, Cambridge MA 02138.

Books Received by Isis

March – May 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 publications.

Robin Attfield. The Ethics of Environmental Concern. x + 220 pp., bibl., index. New York: Columbia University Press, 1983 [paper].


J. A. Bennett. The Celebrated Phenomena of Colours. [Published to accompany a special exhibition at the Whipple Museum of the History of Science, University of Cambridge, 1984.] 21 pp., illus., bibl. Cambridge: Cambridge University Press, 1984. £1.20 [paper].


Daniel Boorstin. *The Discoverers: A History of Man's Search to Know His World and Himself.* xvi + 745 pp., illus., bibl., index. New York: Random House, 1983. $25.


Mary A. B. Braziier. *A History of Neurophysiology in the 17th and 18th Centuries: From Concept to Experiment.* xiii + 230 pp., illus., bibl., indexes. New York: Raven Press, 1984. $65.


Tilmann Buddensieg. *Industriekultur: Peter Behrens and the AEG, 1907-1914.* In collaboration with Henning Rogge and with contributions by Gabriele Heidecker, Karin Wilhelm, Sabine Bohle, and Fritz Neumeyer. Translated by Lain Boyd White. xiv + 520 pp., illus., app., bibl., index. Cambridge, Mass./London: The MIT Press, 1984. $75. [Originally published in 1969 by Gebr Mann Verlag, Berlin.]


Brian M. Fagan. *The Aztecs.* xiii + 322 pp., illus., bibl., index. New York: W. H. Freeman, 1984. $27.95 (cloth); $14.95 (paper).

Vincenzo FERRONE. *Scienza natura religione: Mondodionatiansocioculturailanaprimo seccento.* [Storia ed Errore, 97.] 701 pp., illus., indexes. Naples: Editrice Jovane, 1982. L. 32,000 (paper).


Mary Gerhart; Allan Melvin Russell. *Metaphoric Process: The Creation of Scientific and Religious Understanding.* Foreword by Paul Ricoeur. xiii + 217 pp., illus., bibl., index. Fort Worth: Texas Christian University Press, 1984. $16.95 (cloth); $10.95 (paper).


John C. Greene. *American Science in the Age of Jefferson.* xiv + 484 pp., illus., index. Ames: Iowa State University Press, 1984. $39.95 (cloth); $24.95 (paper).

Evan Hadging. *Early Man and the Cosmos.* x + 277 pp., illus., bibl., index. New York: Walker and Co., 1984. $22.50.

Katherine Haramundanis [Editor]. *Cecilia Payne-Gaposchkin: An Autobiography and Other Recollections.* [Introductions by Jesse L. Greenstein, Peggy A. Kidwell, and Katherine Haramundanis.] vi + 269 pp., illus., bibl., index. Cambridge/London/New York: Cambridge University Press, 1984. $34.50.

Diagram from Mario Bertolotti, Masers and Lasers.


O. P. Jaggé. Western Medicine in India: Epidemics and Other Diseases. [History of Science, Technology and Medicine in India, 12.] xvii + 331 pp., illus., apps., bibl., index. Western Medicine in India: Medical Education and Research. [History of Science, Technology and Medicine in India, 13.] xiv + 335 pp., illus., apps., bibl., index. Western Medicine in India: Public Health and Its Administration. [History of Science, Technology and Medicine in India, 14.] xii + 282 pp., illus., apps., bibl., index. Western Medicine in India: Social Impact. [History of Science, Technology and Medicine in India, 15.] xii + 214 pp., illus., apps., bibl., index. Delhi/Lucknow: Arma Ram & Sons, 1979, 1980. Rs 150 per volume.


Einstein Künzli. Medicinische Instrumente aus Spukalendungen der römischen Kaiserzeit. With the assistance of Franz Josef Hassel and Susanna Künzli. [Kunst und Altertum am Rhein, 115.] 137 pp., illus., app. indexes. Bonn: Rudolph Habelt; Cologne: Rheinland Verlag, 1983.

Werner Kutschmann. Die newtonische Kraft: Metamorphose eines wissenschaftlichen Be­ griiffs. [Studia Leibnitiana, 12.] 177 pp., figs., bibl., index. Weinbaden: Franz Steiner, 1983. DM 56 (paper).


Judith Walter Leavitt [Editor]. Women and Health in America. 526 pp., bibl., index. Madison/London: University of Wisconsin Press, 1984. $32.50 (cloth); $14.95 (paper).


Brian McCluskey. The Quest for Quarks. vii + 160 pp., illus., bibl., index. Cambridge/New York: Cambridge University Press, 1983. $14.95.


Jeffrey Moussaieff Masson. The Assault on Truth: Freud’s Suppression of the Seduction Theory xxii + 308 pp., illus., apps., bibl., index. New York: Farrar, Straus & Giroux, 1984. $16.95.


William Aspray. (The MIT System/360. 0185-5093. (Subscription office: Apartado postal 7.) x + 463 pp., illus., index. Turin: Giulio 7.) x + 463 pp., illus., index. Turin: Giulio


ISIS NEWS OF FORTHCOMING BOOKS

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

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.

Author
Title
Publication date and publisher (if known)
Suggested Reviewers
**HISTORIANS OF SCIENCE BEYOND ACADEME**

Are you a historian of science employed by industry or in government service? Do you have friends who no longer belong to the History of Science Society who might be interested in reassociating and participating as a new subgroup within the Society? Participants in the panel discussion "Jobs beyond Academe" at the Norwalk HSS meeting in October urged that historians of science who had pioneered in careers beyond the university form a network to share contacts and advice. This group will correspond and meet in the near future and at the convention in Chicago and will organize future sessions on issues relating to this topic. Network members are in a position to offer guidance to students and others considering nonacademic careers and to act as a resource for faculty members who wish to become knowledgeable about career alternatives. They might provide information on specific job openings and internships and other contacts useful to the Society as a whole. Those interested should get in touch as soon as possible with Mary Ellen Bowden, 119 East Hartsdale Avenue, Apt. 7L, Hartsdale, NY 10530; home telephone (914) 946-8083; business telephone (914) 694-2200, extension 240.

The Newsletter of the History of Science Society is published in January, April, July, and October. Regular issues are sent to individual members of the Society. Airmail is available for foreign members by paying yearly postal costs of $5 (Western Europe) or $10 (elsewhere). The deadline for receipt of news is the tenth of the month prior to publication.

The Newsletter is overseen by a Steering Committee consisting of the President, the Secretary, and the Editor of the History of Science Society; it is produced at the Society's Publications Office under the supervision of Dr. Frances Kohler. Send news items to the Secretary, Dr. Audrey B. Davis, The National Museum of American History, Room 5000, Smithsonian Institution, Washington, DC 20560.