
The 1982 Nominating Committee will be: Stephen Brush, Joe Burchfield, Daniel Kevles, David Lindberg and Michael Crowe. The chairperson will be appointed by the president of the Society. Nominations for the council and the Nominating Committee should be submitted to any member of the Committee by March 1, 1982. By Article 10 of the History of Science Society Statutes, for the Council the ballot shall contain the names of ten candidates proposed by the Nominating Committee, together with the names of other candidates nominated by petitions signed by at least fifteen members of the Society. For the Nominating Committee ... the ballot shall contain ten names separated into two lists, one with six names of members of the Council, the other with four names of other members of the Society, together in both cases with the names of other candidates nominated by petitions signed by at least fifteen members of the Society ...

The 1981 annual meeting of the History of Science Society will be held in Los Angeles, California, on December 27-30 (jointly with the American Historical Association). The headquarters hotel will be the Hyatt Regency Los Angeles. For an updated program, see pp. 7-10 of this Newsletter. The Registration Form appears on page 15. Persons wishing to utilize the AHA Charter Flight program to the meeting should contact Dolores Gambino, Group Department, Glen Roc Travel, 194 Scotch Road, Trenton, New Jersey 08628 (phone: 609-889-3533).

The 1982 annual meeting of the History of Science Society will be held in Philadelphia, Pennsylvania, October 27-30. The meeting will be held with the Philosophy of Science Association and the Society for the Social Studies of Science. Program co-chairpersons are Robert Kargon and Owen Hannaway, Department of History of Science, Johns Hopkins University, Baltimore, Maryland 21218. Suggestions for sessions and for works-in-progress papers are welcomed. Works-in-progress submissions should be accompanied by a brief abstract and vita.

The next International Congress for the History of Science will be held in Berkeley, California, in August of 1985, it was decided at the recent meeting in Bucharest. The proposal by Roger Hahn of the University of California at Berkeley was accepted by a substantial majority of delegates at the General Assembly meeting and planning is already underway. The United States delegation, headed by Thomas Hughes, included Frederick Churchill, Roger Hahn, Frederic L. Holmes, and Sally Gregory Kohlstedt. The delegation also presented a proposal to form a Commission on the History of Women in Science, Technology, and Medicine. It passed and Margaret Rossiter was elected the first president of the new Commission. More than forty persons from the United States participated in the Congress.

The Isis office has announced the following promotions: Frances C. Kohler is now Managing Editor and William Montgomery is now Associate Editor.

John Greene, University of Connecticut, represented the History of Science Society at the Second Century Convocation of the University of Connecticut on September 19, at Storrs, Connecticut.

H. Howard Frisinger, Colorado State University, represented the History of Science Society at the Inauguration of the new President of the University, on October 3, at Ft. Collins, Colorado.

The Isis Critical Bibliography of the History of Science and its Cultural Influences, indexing literature published through 1981, will go to press January 1, 1982. Scholars publishing articles within the scope of this bibliography in journals not searched regularly by the staff of the CB (see list of journals in the most recent issue of the bibliography) are urged to notify the editor. Send either off-print or full citation to John Neu, Memorial Library, University of Wisconsin, Madison, Wisconsin 53706.

The Committee on Undergraduate Education of the History of Science Society has prepared a new edition of its "Library Checklist of Books and Periodicals in the History of Science," with the assistance of a grant from the National Endowment for the Humanities. The list is limited to titles currently in print which might be considered suitable for students and teachers in undergraduate colleges or
The Twenty-Fourth Annual Meeting of the Society for the History of Technology will be held in cooperation with the Milwaukee Public Museum at the Hyatt Regency Milwaukee, October 14-17, 1981. For further information, contact Donald Hoke, Assistant Curator of History, Milwaukee Public Museum, 800 W. Wells Street, Milwaukee, Wisconsin 53233.

The Annual Meeting of the American Antiquarian Society will be held on Wednesday, October 21, at 10:45 a.m. in Antiquarian Hall, 185 Salisbury Street, Worcester, Massachusetts. Professor Pauline Maier of the Department of Humanities at Boston College, organized in Technology will be speaking on "Boston and New York in the Eighteenth Century."

The First North American Conference of the Society for the Bibliography of Natural History will be held at the Academy of Natural Sciences of Philadelphia, October 21-23, 1981. The theme of the conference is North American Natural History Bibliography: Research, Needs, and Prospects. Papers on various aspects of the history and bibliography of natural history will be presented and three panel discussions will address the topic "North American Natural History Bibliography-Imperfections, Urgent Needs and Prospects for Betterment." Panel I: Scientists and Practitioners, chaired by Valerie Honkhouse, will include Robert Armstrong, James Atz, W. Peyton Fawcett, Robert Hazen, Eleanor Maclean, and Elizabeth Zipf. Panel II: Collectors and Antiquarian Booksellers, chaired by Edwin Wolf II, will include Lee Ash, Estelle Chassid, Donald Creswell, Lee Driscoll, Howell J. Hemey, and Elizabeth Woodburn. Panel III: Publishers, Editors, Current Booksellers, chaired by Charles Gruchy, will include Maurice English, Harry Luprecht, Theodore Rivinins, Marjorie Shattuck, and Courtney Van Rooten. For more information please contact Nina J. Root, Chair, Department of Library Services, American Museum of Natural History, G.P. West at 79th Street, New York, New York 10023 (212) 873-1300, ext. 381.

A major conference sponsored by the American Society for Cybernetics will be held at The Marvin Center, George Washington University, on Thursday, October 29 - Sunday, November 1, 1981. The theme of the conference is "A redefinition of the field of cybernetics -- both its intellectual and practical content." For further information contact Dr. Laurence D. Richards, Department of Administrative Science, Colby College, Waterville, Maine 04901 (207) 873-1311.

The Sixth Annual Meeting of the Society for Social Studies of Science will be held from November 5-7, 1981 at the LaRada Downtown Hotel, 70 Houston Street, NE, Atlanta, Georgia 30303. The Program Chair is Daryl Chubin, TASP/Social Science/4S, Georgia Tech, Atlanta, Georgia 30332.

An international conference on "The Child and Arabic Medicine" will be held in the spring of 1982 at Al Fatch University in Tripoli. The deadline for registration and receipt of abstracts is October 31, 1981. Contact the Secretariat of the Conference at the University of Al Fatch, Faculty of Medicine, P.O. Box 13628, Tripoli, S.P.L.L.A.J.

At the 1982 American Association for the Advancement of Science meeting in Washington, D.C. on January 3-6, Ernst Mayr, Stephen Jay Gould, Walter Fitch, and E. Ledyard Stebbins will discuss "What Happened to Darwinism Between the Two Darwin Centenaries 1959-1982?" In another half-day symposium the topic will be "What Happened to the Idea of Moving Continents After Wegener's Proposed It?" Speakers will include: Albert Carozzi, Henry Frenkel, Neil Opdyke, Ekaterina Miljutina, and Stephen Jay Gould.

The Center for the Study of Southern Culture announces its first annual Barnard-Millington Symposium on Southern Science and Medicine to be held on the Oxford campus of the University of Mississippi March 25-27, 1982. The inaugural program, organized by Ronald L. Numbers of the University of Wisconsin and Todd L. Savitt of the University of Florida, will focus on the history of science in the antebellum South. Topics include "Science and Scientists in the Old South," "The Scientific Community," "Scientific Societies," "Science in the Colleges," "Science on the Plantation," "Science and Government," "Science and Religion," and "Science and Technology." Papers, written by leading scholars in the field, will be circulated in advance to allow for informed, thoughtful commentary and discussion during the symposium. The meeting is being partially supported through a grant from the National Endowment for the Humanities. For further information contact Dr. Ann J. Abadie, Associate Director, Center for the Study of Southern Culture, The University of Mississippi, University, Mississippi 38677 (601) 232-5993.

The Popular Culture Association will be meeting in Louisville, Kentucky, April 14-18, 1982. Scholars with an interest in the "Images of Professions" are invited either to present papers at formal panel sessions or to make informal presentations at panel discussion sessions or at open forums. Please send abstracts, papers, panel proposals, or inquiries to Professor Jennifer Tebbe, Massachusetts College of Pharmacy and Health Sciences, Division of Liberal Arts, 179 Longwood Avenue, Boston 02115. Deadline for submissions is November 1, 1981.
COMMENT FROM THE PRESIDENT

This issue of the Newsletter contains two announcements of very general interest to members of the History of Science Society. One of them, the proposals for reorganization which the Executive Committee will submit to the Council, is intended to enable the Society to act more effectively to meet the increasingly complex situations confronting it. The other, principally of concern to American members of the Society, makes public a new set of conditions under which National Science Foundation support for research in our field is to be available during the coming years. The two are more closely connected than may at first sight appear. Our experience over the past summer has demonstrated clearly that in order to maintain public support for our scholarly work we must become actively involved in explaining, as well as in defending, the value of what we do. Well-organized efforts by many social scientists to contact Congressmen have been credited with a major victory in the House of Representatives, where an NSF appropriation bill was introduced to the floor that substantially increased the NSF budget above that requested by the Administration, and which recommended that much of the increase be directed to the social sciences, the division within which our own program is administered. An amendment intended to reduce this amount back to the administration level was soundly defeated. Historians of science were well represented in the efforts which led to this success. The issue, however, has not been finally settled. The Congressional budgetary process continues into the fall, and the same pressures to cut will come up again and again in future years. We must therefore find ways to ensure that we sustain our case effectively over and over, through organized Society as well as individual efforts.

The new NSF grants program in History and Philosophy of Science makes the best of a bad world. I happened to be on the review panel when the ideas from which this announcement developed were first discussed. I believe that these ideas contributed significantly to obviate the threat that large reductions in the budget for our program might lead to its abandonment. I also feel personally that this program distributes any available amount of money more fairly among the many scholars in our field who need it than the old one did. It falls short, however, in the narrow limitations it places on support for special large-scale projects vital to the future of our field. We must continue to press our case for a level of support which can again make such projects possible.

The reorganization proposals are important to the Society not only to improve its capacity to act in such pressing new areas as the defense of its public support, but in order to carry on more effectively its central traditional activities. Everyone who has served on the Council, the Executive Committee, or any other of its standing and special committees, has experienced the frustrations which our restricted means for carrying on the business of the Society impose. The Long-Range Planning Committee, the Executive Committee, and others, have given much thought to these problems over many years. The present proposals cannot fulfill all the expectations of all those who have made useful suggestions. After weighing numerous alternatives, however, we have come to believe that they represent the best practical first steps we can now take—steps which should enable us in the future to plan and carry out more efficiently than we have been able to in the past, those further steps which still lie ahead.

Frederic L. Holmes

REORGANIZATION PROPOSAL

I. The Executive Committee shall meet at least once during the interval between annual meetings of the Society, in order to: (1) draw up an annual budget recommendation which it shall submit subsequently to the Finance Committee for review, and to the Council for final action at the annual meeting of the Council; (2) choose the Sarton medalist and the Sarton Lecturer from nominations made by the Council and members at large; (3) receive reports from standing and other committees of the Society, and draw up appropriate recommendations pertaining thereto for consideration by the Council; (4) consider matters of long-range planning and policy for the Society; (5) take whatever interim actions it deems necessary at this time.

II. Standing Committees of the Society are responsible for the Council. Each of these Committees is required to submit an annual written report to the Council, and such additional interim reports as may be requested by the Executive Committee or the Council. The list of Standing Committees is as follows:

A. Committee on Education. This committee shall concern itself with the role of the history of science in education at all levels, from secondary school to graduate and postdoctoral training in the field, with textbook and other materials for teaching the subject; and with the public understanding of the history of science.

B. Committee on Research and the Profession. This committee shall concern itself with the state of the profession, including employment patterns and opportunities; with research support in the field; with various forms of assistance for unaffiliated scholars; with relationships to neighboring disciplines and professional societies; and with the status of women and minorities.

C. Committee on Meetings and Programs. This committee shall establish, subject to Council approval, general policies for the format and content of the programs of annual meetings of the Society and for other meetings at which the Society may be represented. One member of this committee, other than its chairperson, shall be designated by the Executive Committee as Program Chairperson, and shall, in cooperation with the Secretary, make all necessary arrangements for the annual meeting. The program chairperson may select additional members from the Committee on Meetings and Programs to assist in
III. Membership on Committees

A. The Committee on Education, the Committee on Research and the Profession, the Committee on Meetings and Programs, and the Committee on Honors and Prizes shall each consist of at least 3 members of Council and at least 2 members from the Society at large. Each member shall be appointed for a 3 year term. Members of the Council shall normally be appointed to a committee during the year they are first elected to the Council. The chairperson for each committee shall be designated by the Executive Committee.

B. If and when a member at large is elected to the Council during a term on a committee, he or she may be appointed to a new 3 year term; or may be reassigned to another committee and another member at large appointed to fill out the unexpired time on that committee.

C. The Committee on Finances shall consist of four members; ordinarily one member will be charged particularly with oversight of the management of the funds of the Society, and one with raising funds.

IV. Appointment to Committees

A. Members of the Standing committees shall be appointed by the Executive Committee.

V. The Executive Committee may establish ad hoc committees from time to time, and may direct any of the above standing committees to form a subcommittee to deal with a particular concern falling within its general domain. The establishment of additional standing committees or deletion of any of the above standing committees requires the approval of the Council.

** NATIONAL SCIENCE FOUNDATION: CURRENT GUIDELINES **

The History and Philosophy of Science Program in the National Science Foundation will operate with a greatly reduced budget for support of research during the 1981-82 academic year. While exact figures are still not available, we expect the budget to be between 1/3 and 1/2 of the level in fiscal year 1980.

This situation forced consideration of how the program could continue to make a meaningful contribution to the support of research in our disciplines. The History and Philosophy of Science Advisory Subcommittee considered this question at its spring meeting and concluded that, while the Program could not operate as it did in the past, it could with a limited budget, assist in meeting the minimum needs for ongoing research in the disciplines. These needs were determined to include: sustained release time from teaching for the Principal Investigator in order to carry out research, travel and per diem support in order to get to collections of primary sources, some duplicating and typing support and occasional student assistance.

Given these needs, we constructed a plan which would be responsive to both historians and philosophers and would not unduly discriminate against either junior or senior scholars. We therefore proposed two new classes of awards: a "Summer Scholar's Award" of up to $6,000 and a "NSF Scholars Award" of up to $25,000. The Summer Scholars Award can be used either to cover research expenses (e.g. travel to archives) and/or part of all of summer salary. The NSF Scholars Award is intended at a minimum to cover one full semester (or equivalent) released time plus some research expenses.

We expect, with a budget on the order of $500,000, to make approximately 30 Summer Awards and 10-14 NSF Scholars Awards. An announcement providing details on the awards and application procedures is now being distributed to scholars in the United States. If you do not receive one by October 26, please contact the...
A serious consequence of the budget reduction is the inability of the History and Philosophy of Science Program to support major projects or to make long-term commitment of funds (continuing grants). Proposals for support of large reference works, research tools, scholarly editions or other projects that require large research costs which cannot easily be accommodated within the framework of these new class size limits may not be able to be supported depending on the exact level of the program budget. The National Science Foundation recognizes that major projects of this type are vital to the development of the history and philosophy of science and regrets that present circumstances may require suspension of such support. Every effort will be made to restore support of this nature whenever overall funding levels permit it. In the meantime, it is suggested that anyone contemplating requesting support for such a project should contact the Program before preparing a proposal.

Conferences and Meetings, continued from page 2.

The 25th anniversary meeting of the Midwest Junto for the History of Science will be at Iowa State University in Ames, Iowa, April 15-17, 1982. For further information contact David B. Wilson, Secretary-Treasurer, Midwest Junto, Department of History, Iowa State University, Ames, Iowa 50011.

The Joint Atlantic Seminar in the History of the Physical Sciences will be held on April 16 and 17, 1982 at the Institute for the History and Philosophy of Science and Technology, University of Toronto, Toronto, Canada. Graduate students should submit a brief description of their proposed talk as soon as possible. Papers on the following topics are especially welcomed: (1) current state of research into 19th century physics; (2) concepts of experimental error: in the 18th and 19th centuries; (3) delineation of specialties in late 19th century physics; (4) analyses of mutual understanding, or lack of it, between communities which are ostensibly concerned with the same specialty; and (5) importation of new mathematical techniques into physics in the 19th and early 20th centuries. The co-ordinator is Jed. Z. Buchwald, Assistant Professor, IHPS&T, University of Toronto, Toronto Canada M5S 1A1.

The eighteenth annual meeting of the Joint Atlantic Seminar in the History of Biology will be held at Harvard University on April 16-17, 1982. Those wishing to present papers should send a title and brief description by February 15 to Professor Everett Mendelsohn or Professor Shirley Roe, Harvard University, Department of the History of Science, Science Center 235, Cambridge, MA 02138.

The 1982 annual meeting of the Society of Architectural Historians will be held in New Haven, Connecticut on April 21-25. Damie Stillman of the University of Delaware will be general chairman of the meetings and Elizabeth Mills Brown will be the local chairman. The headquarters for the meeting will be the Park Plaza Hotel in New Haven.

The 1982 annual meeting of the American Association for the History of Medicine will take place in Washington, D.C., April 28-May 1. Papers may deal with any aspect of medical history; the time allotted for presentation will be strictly limited to twenty minutes. Abstracts of 300-350 words (6 copies), as well as pertinent information about the authors, should be submitted by October 15, 1981. For further information contact Jerome J. Bylebyl, chair of the History of Medicine, The Johns Hopkins University, 1900 E. Monument Street, Baltimore, MD 21205.

The Centre for Renaissance Studies at the Eidgenossische Technische Hochschule is organizing a conference on "Occult and Scientific Mentalities in the Renaissance," 16-18 June 1982. The aim of the conference will be to define the mental structures and processes of the occult and experimental scientific traditions, focussing on alchemy, natural magic, mathematics, astrology and witchcraft. Speakers will include Richard Westfall (Indiana U.), Nicholas Cluiee (Froeburg State College, Maryland), Lotte Mulligan (La Trobe U., Melbourne), Robin Briggs (All Souls College, Oxford), Richard Gordon (U. of East Anglia), Stuart Clark (U. of Swansea). For further details please write to Professor Brian Vickers, Centre for Renaissance Studies, ETH Zentrum, CH 8092 Zurich, Switzerland.

The 14th annual meeting of CHEIRON: The International Society for the History of Behavioral and Social Sciences will be held at the Newport College-Salve Regina, Newport, Rhode Island on June 22-26, 1982. Papers are solicited which deal with topics in the history of any of the behavioral or social sciences or with related historical and social science methodology. Deadline for receipt of papers is February 1. Length should be approximately seven double-spaced, typewritten pages, three copies. Papers will be subject to a process of blind refereeing. A workshop on methods and problems in the history of psychology will be held June 22. Those interested in participating may present two page descriptions of work in progress. Papers and queries relating to the program should be directed to James Reed, Program Chair, Department of History, Rutgers University, New Brunswick, NJ 08903. Queries relating to local arrangements should be directed to Dr. Anthony Walsh, Department of Psychology, The Newport College, Salve Regina, Newport, Rhode Island 02840.

The seventh annual meeting of the Social Science History Association will be held November 4-6, 1982 at Indiana University in Bloomington, Indiana. Those wishing to organize a panel, present a paper, chair a session, serve as a discussant, or offer suggestions for the program are invited to contact Elyce J. Botella, Economics Department, Ballentine Hall, Indiana University, Bloomington, IN 47405 (812) 337-7838 or the co-chair Mary Shortridge, Political Science Department, University of Louisville, Louisville, KY 40292 (812) 966-2913. Proposals for entire panels and individual papers must be received no later than February 22, 1982. Final program will be sent by May 15, and deadline for completed papers is October 1, 1982.
An International Conference on Galileo will be held at three locations in Italy—Pisa, Padua, and Florence, from the 19-26 March 1983. The two sessions are entitled: 1. The new image of the universe, and 2. The impact of Galileo's cosmology on scientific, philosophical, and religious culture of the 17th century. For further information about the conference contact the Segretaria, Convegno Internazionale di Studi Galileiani, Istituto e Museo di Storia della Scienza, Piazza dei Giudici, 1 50122 Firenze.

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ANNOUNCEMENTS


A biographical dictionary of North American environmentalists, covering Canadians, Americans and Mexicans and colonial figures active in those nations between 1500 and 1970 is being edited by Keir Sterling, Professor of History at Pace University, for Greenwood Press. Persons to be included shall have made notable contributions: explorers responsible for published works on the geography or natural history of North America, geographers, conservationists, wildlife management specialists, park planners, administrators of national parks and forests, other governmental officials concerned with environmental matters, museum officials whose work had to do with environmental matters, and scientists in related areas. Sterling invites nominations of prospective biographers and contributors, particularly leading figures who have been overlooked in other biographical dictionaries. Write to him at 31 Chestnut Street, Rhinebeck, New York.

The History Division of the American Chemical Society and the Dexter Chemical Corporation wish to solicit nominations from the International community of scholars for the 1982 Dexter Award. The Award, which honors outstanding accomplishment in the History of Chemistry, consists of $1,000 and an engraved plaque, and the Award will be conveyed at the fall meeting of the American Chemical Society. The nomination should consist of a cover letter containing an assessment of the contributions of the nominee to the field, vita and bibliography of publications. Copies of no more than three select publications may also be included. The documents should be forwarded by January 1, 1982 to Dr. Natalie Porter, Secretary-Treasurer, History Division, Department of Chemistry, Mudd Building #8, Lehigh University, Bethlehem, PA 18015.

The Award Committee of the George H. M. Lawrence Memorial Fund solicits nominations. The purpose of Award is to support travel for doctoral dissertation research in systematic botany or horticulture, or their history, including literature and exploration. It is expected that the 1982 Award will amount to $1,000, which will be available to the recipient for expenditure during the two-year period from date of award. A nomination (or supporting materials) should describe briefly but clearly the candidate's program of research and how the travel enabled by the Award would contribute significantly to its results and quality. Letters of nomination, together with any supporting materials, should be received by the Committee no later than 1 May 1982. Contact: Dr. Robert Kiger, Director, Hunt Institute, Carnegie-Mellon University, Pittsburgh, PA 15213. (412) 578-2434.

The International School of the History of Biological Sciences will offer a course on "Classification and Hierarchies; Historical Developments and Epistemological Aspects" at Ischia, Naples, July 5-14, 1982. The Director is E. Mayr, Harvard University, and more information can be obtained through the Secretary, Jean Ann Gilder, Stazione Zoologica, Villa Comunale, 80121 Naples, Italy.

The American Institute of the History of Pharmacy, with funds contributed by Robert P. and Juanita Deer Fishchells of Ada, Ohio, has established "The Fishchellis Fund." A "Fishchellis Scholar" will be appointed to carry out individual projects for the purpose of showing the accomplishments and issues of American pharmacy and socio-historical publications will be made available to the profession. For further information contact the American Institute of the History of Pharmacy, Pharmacy Building, Madison, Wisconsin 53706.

An exhibition about the history of electromagnetism, "Lines and Waves: Faraday, Maxwell, and 150 Years of Electromagnetism" was developed by the IEEE's Center for the History of Electrical Engineering and was first displayed at an IEEE convention. In 1981 it began a two-year tour to American science museums under the auspices of the Association of Science-Technology Centers. Among the twelve sites on its tour will be the Digital Computer Museum in Marlboro, Massachusetts, where it will be shown in the fall. The exhibition requires 600 square feet for display and is available for six-week booking periods through June 1983. The cost is an $800 fee for ASTC members of $950 for nonmembers, plus inbound shipping. For information on this and other ASTC exhibitions, contact ASTC Traveling Exhibition Service, 1016 Sixteenth Street, NW, Washington, D.C. 20036; (202) 452-0635.

Clark University announces the opening of the papers of Robert Goddard (1882-1945), American physicist and rocket pioneer. These materials, which include diaries, correspondence, test records, patents, manuscripts, and photographic records, were processed under grants from the National Historic Publications and Records Commission and the Daniel and Florence Guggenheim Foundation. A printed register compiled by Terry A. Bragg, processor, is available for $2.00 from Dr. William A. Koelich, University Archivist, Clark University Archives, 950 Main Street, Worcester, Massachusetts 01610.

History and Philosophy of Logic, previously published by Abacus Press, has been transferred to Taylor and Francis Ltd. from volume 2 (1981) on. Subscription information, and copies of volume 1, can be obtained from Taylor and Francis Ltd. at 4 John Street, London WC1N 2ET. Manuscripts should continue to go to editor Dr. I. Grattan-Guiness, Enfield, Middlesex EN3 4SF, UK.
1981 ANNUAL MEETING OF THE HISTORY OF SCIENCE SOCIETY
27 - 30 DECEMBER 1981
Hyatt Regency Hotel, Los Angeles
(All activities in Hyatt Regency unless otherwise noted)

SUNDAY, 27 DECEMBER
3 p.m. Council Meeting (Olvera South)
7 - 10 p.m. Reception-Cash Bar (Bunker Hill)

MONDAY, 28 DECEMBER
9:00 - 12:00
1. University, Institute, and Industry:
   Chemistry in America (Bunker Hill North)
   Chair and Commentator: Karl Hufbauer
   (University of California, Irvine)
   John W. Servos (Princeton University):
   "Occupying the Borderland: Geochemistry in America, 1890-1915"
   P. Thomas Carroll (Rensselaer Polytechnic Institute):
   "Professors, Patrons, and Ph.D.s: The Building of Graduate Departments of
   Chemistry and Chemical Engineering in the United States before World War II"
   "DuPont, Dynamite, and Diversification: A Study of Chemical Research in Industry"

2. Living Matter and Biological Theory in 18th and 19th Century Biology (Bunker Hill South)
   Chair: Paul Lawrence Farber (Oregon State University)
   Shirley A. Roe (Harvard University):
   "John Turbeville Needham's Microscopic Animalcules: Vitalism or Materialism"
   François Duchesneau (Université de Montréal):
   "Vitalism and Early Cell Theory"
   Phillip R. Sloan (University of Notre Dame):
   "Darwin, Vital Matter, and the Unity of Nature"
   Commentators (round-table panel): Frederic L. Holmes (Yale University), Theodore M. Brown
   (University of Rochester), Timothy Lenoir (University of Arizona).

3. Models, Analogies, and Explanation in 17th-Century Science (La Plaza East)
   Chair and Commentator: Michael S. Mahoney
   (Princeton University)
   Katherine Park (Wellesley College):
   "The Genesis of Analogy: Imagination and Understanding in 16th- and 17th-Century Psychology"
   Peter Galison (Harvard University):
   "Models and Metaphors in Descartes' Physical Theory"
   Larraine J. Daston (Harvard University):
   "Analogies in Mathematics: Galileo and His Contemporaries"

4. Work In Progress: Renaissance Science
   (La Plaza West, 9:00-10:00)
   Chair: Winifred Wisan (Oneonta, New York)
   Edith D. Sylla (North Carolina State University at Raleigh): "Renaissance Criticisms of the Calculators"
   William Clark (University of California, Los Angeles): "The Problem of Causal Discourse in Copernican Astronomy"
   J. Bruce Brackenridge (Lawrence University): "Kepler, Elliptical Orbits, and Celestial Circularity: A Study in the Persistence of Metaphysical Commitment"

5. Work in Progress: Modern Mathematics
   (La Plaza West, 10:00-11:00)
   Lenore Feigenbaum (Northeastern University): "Alliances and Rivalries in the Early 18th-Century Mathematical Community: The Taylor-Monmort Correspondence as a Contribution to the History of the Newton-Leibniz Controversy"
   Theodore M. Porter (California Institute of Technology): "Order and Reform: Quetelet's Role in the Development of Mathematical Statistics"
   Robin E. Rider (University of California, Berkeley): "Applied Mathematics in America"

6. Work in Progress: Modern Science, Technology, and Theology
   (La Plaza West, 11:00-12:00)
   Chair: Morris S. Hetherington (University of California, Berkeley)
   David F. Channell (University of Texas at Dallas): "The Theological Roots of 19th-Century Engineering Science"
   Michael J. Crowe (University of Notre Dame): "The Controversy Concerning the 'Canals' of Mars: A Reassessment"
   Pamela E. Mack (University of Pennsylvania): "Half Way Between the Moon and the Ghetto: Using Satellites to Monitor Resources"

12:00 - 1:45 Round-Table Luncheons
1. "The Mysteries of Isis: A Dialogue with the Editor," Arnold Thackray (University of Pennsylvania)
2. "Whither the History of Science Society? A Dialogue with the President," Frederic L. Holmes (Yale University)

3. "Lunch with Lynn White: Recollections and Disputations," Lynn White, Jr. (UCLA)

4. "Writing the History of Recent Science: Views of a Scientist (and Amateur Historian)," Emilio G. Segrè, (University of California, Berkeley)

7. The Emergence of Fieldwork in Three National Anthropological Traditions.
   Chair: Jacques Maquet (University of California, Los Angeles)
   Curtis Hinesley (Colgate University): "In the Field: Ethnographic Style in the Southwestern United States, 1880-1900"
   George Stocking (University of Chicago): "Routes to the Heart of Darkness: Alternative Models of Fieldwork in British Anthropology, 1900-1925"

8. Imported and Indigenous Traditions in American Physics, 1870-1970 (Bunker Hill South)
   Chair: Daniel M. Siegel (University of Wisconsin)
   Albert E. Moyer (Virginia Polytechnic Institute and State University): "Operational Thought and Modern Physics in the United States: An Old Ideology for a New Science"
   Stanley Goldberg (Hampshire College): "Up from Pencil Pushing: The Role of Textbooks in the Assimilation of Special Relativity in America, 1910-1970"
   Paul A. Hanle (National Air and Space Museum): "Theoretical Aerodynamics at MIT, NYU, and Caltech: European Science or American Art?"

9. Studies in Late Medieval Science (La Plaza East)
   Chair: Bert Hansen (University of Toronto)
   Richard C. Dales (University of Southern California): "Henry of Harclay on Infinite Sets"
   Claudia Kren (University of Missouri): "The Place of Astronomy in the Curriculum of the Late Medieval University: The Case of Vienna"
   Nancy C. Straini (Hunter College): "Tradition and Innovation in Medical Education: Late Latin Commentaries on Avicenna's Canon (Book I, fen 1)"

10. Work in Progress: The Rockefeller Connection (La Plaza West, 3:15-4:15)
    Chair: Gert H. Brieger (University of California, San Francisco)
    Stephen J. Cross (Johns Hopkins University): "An Integrative Enterprise in Human Science: Harvard University, the Labor Problem, and Rockefeller Philanthropies Between the Wars"
    Lisa Robinson (University of Pennsylvania): "Patronage, Research, and Instrument Design: Weaver and the Ultracentrifuge, 1924-1938"
    Susan Lederer (University of Wisconsin): "The Ethics of Human Experimentation: Hideyo Noguchi and Luetin"

11. Work in Progress: Science and Medicine in America (La Plaza West, 4:15-5:15)
    Chair: Lyndsay Farrall (Deakin University)
    John J. Zernel (Oregon State University): "An Evolutionist Ideal of National Science: The Geological Survey and John Wesley Powell"
    Barbara A. Kimmelman (University of Pennsylvania): "American Genetics: The Agricultural Context"
    Merrily Borell (Virginia Polytechnic Institute and State University): "Science and Birth Control Advocacy Circa 1928: Understanding the Dialogue"

6:00 p.m. ISIS Editorial Board Dinner
7:00 p.m. History of Science Society Committee on Women
8:00 - 10:00 p.m.

12. History of Science in the New Liberal Arts Curricula (Bunker Hill South)
    Chair: Stephen G. Brush (University of Maryland)
    Stanley Goldberg (Hampshire College): "On Understanding Science Revisited: A Case for Case Studies"
    Daniel M. Siegel (University of Wisconsin): "History of Science in the Integrated Liberal Studies Program at the University of Wisconsin"
    Commentators: Thomas Haskell (Rice University)
                  Gerald Holton (Harvard University)

TUESDAY, 29 DECEMBER
9:00 - 12:00

13. Science in University Laboratories (Bunker Hill North)
    Chair: Daniel J. Kevels (California Institute of Technology)
    Robert W. Seidel (University of California, Berkeley): "Accelerating Science: The Post-War Transformation of the Lawrence Radiation Laboratory"
Clayton R. Koppes (Oberlin College): "Competing Institutional Interests in the Space Program: The Jet Propulsion Laboratory in Conflict with NASA"

Judith R. Goodstein (California Institute of Technology): "Pure and Applied Science at Caltech between the Two World Wars"

Commentator: Robert E. Burke (University of Washington)

14. Astronomical Issues in the Mid-17th Century (Bunker Hill South)

Chair and Commentator: Curtis Wilson (St. John's College)

Wilbur Appelbaum (Illinois Institute of Technology): "Accidental Physical Causes' and Astronomical Laws: Kepler's Doubts and Horrocks' Certainties"

Robert A. Hatch (University of Florida): "Ismael Boulliau and the Dissemination of Keplerian Astronomy"

Albert Van Helden (Rice University): "Solar Parallax and Refraction from Riccioli to Richer"

15. Environmental History: Theory and Practice (co-sponsored by the AHA and the American Society for Environmental History; 9:30 starting time; Biltmore Bowl, Biltmore Hotel)

Chair: Wilbur Jacobs (University of California, Santa Barbara)

Carolyn Merchant (University of California, Berkeley): "Subsistence versus Science: Soil Ecology and Agriculture on the Eastern Seaboard"

Ronald Tobey (University of California, Riverside): "American Grassland Ecology: The Struggle for the Clementsian Paradigm"

Donald Worster (University of Hawaii at Manoa): "Hydraulic Society in California: An Ecological Interpretation"

Commentator: Harold Burstyn (United States Geological Survey)

16. Work in Progress: Science in the 18th Century (La Plaza West, 9:00-10:00)

Chair: Richard Olson (Harvey Mudd College)


Martha Ellen Webb (University of Oklahoma): "The Influence of Newtonians John Mickleburgh and Stephen Hales upon the Psychology of David Hartley"

Theodore S. Feldman (University of California, Berkeley): "Meteorology, 1750-1800: A Case Study in the Development of Experimental Physics"

17. Work in Progress: Science in 19th-Century Britain (La Plaza West, 10:00-11:00)

Chair: Joe D. Burchfield (Northern Illinois University)

Harvey W. Becher (Northern Arizona University): "Appending Science to a Liberal Education at Cambridge University, 1820-1866"


Leroy E. Page (Kansas State University): "Charles Lyell and the Glacial Theory, 1857-1873"

18. Work in Progress: Modern Biology and Medicine (La Plaza West, 11:00-12:00)

Chair: John E. Lesch (University of California, Berkeley)

LeeAnn Hansen Le Roy (UCLA): "Johannes Muller and Naturphilosophie: The Question of 'Conversion'"


Sally Smith Hughes (University of California, San Francisco): "The History of Nuclear Medicine at Berkeley, 1930-1955"

12:00 - 1:45 Round-Table Luncheons (same as Monday)

2:00 - 4:00


Chair: Everett Mendelsohn (Harvard University)

Timothy Lenoir (University of Arizona): "The Holist-Atomist Debate over Biological Organization: Jockeying for Position in Pre-Industrial Germany"


Fritz Ringer (Boston University): "Social Position and Ideology in Scientific Discourse"

20. Puritanism and Science (co-sponsored by the American Society of Church History) (Bunker Hill South)

Chair: Barbara Shapiro (University of California, Berkeley)

T. Dwight Bozeman (University of Iowa): "'Puritanism' and Science: Some Definitional Suggestions"

Gary B. Deason (St. Olaf College): "Puritans, Politics, and Baconian Science"

Commentator: John Morgan (Toronto, Canada)
21. Psychology and the Natural Sciences at the Turn of the Century (La Plaza East)

Chair: Horace W. Magoun (UCLA)

Robert J. Richards (University of Chicago): "William James' Moral and Epistemological Use of Darwinian Theory"

Erwin N. Hiebert (Harvard University): "Mach's Conception of the Status of Psychology among the Sciences"

Gary C. Hatfield (Johns Hopkins University): "Physics and Physiology in the Early Development of Gestalt Psychology"

22. Work in Progress: Biographies of American Scientists (La Plaza West, 2:00 - 3:00)

Chair: Michele L. Aldrich (AAAS)

Clark A. Elliott (Harvard University Library): "Thaddeus William Harris (1795-1856): A Study in the Scientific Career in Antebellum America"

Barbara L. Welther (Harvard-Smithsonian Center for Astrophysics): "A Biography of Antonia Maury"

John L. Michel (University of Wisconsin-Madison): "Millikan's Identity Crisis: Educator Versus Researcher"

23. Work in Progress: Popular and Professional Science in 19th-Century America (La Plaza West, 3:00 - 4:00)

Chair: A. Hunter Dupree (Brown University)

Simon Baatz (University of Pennsylvania): "Popular and Elite Science in Philadelphia, 1810-1855"

Elizabeth B. Keeney (University of Wisconsin-Madison): "Popular Science and Cultural Change: Botany and the Work Ethic in 19th-Century America"

Tamara A. Miner (Rice University): "Spheres of Influence in American Botanical Leadership in the Mid-19th Century"

Program Committee co-chairs: David C. Lindberg and Ronald L. Numbers
Department of History of Science
South Hall
University of Wisconsin
Madison, Wisconsin 53706

Local Arrangements chair: Robert G. Frank, Jr.
Medical History Division
Department of Anatomy
University of California, Los Angeles
Los Angeles, California 90024


G. C. Ainsworth. Introduction to the History of Plant Pathology. xii + 315 pp., illus., bibl., indexes. Cambridge/London/New York: Cambridge University Press, 1981. $39.95.

Marcia Ascher; Robert Ascher. Code of the Quipu: A Study in Media, Mathematics, and Culture. vii + 166 pp., illus. Ann Arbor, Michigan: University of Michigan Press, 1981. $18.95 (cloth); $8.95 (paper).


Lynn Barber. The Heyday of Natural History, 1820-1876. 320 pp., illus., index. Garden City, New York: Doubleday + Co., 1980. $17.95.


British Museum (Natural History). Nature Stored, Nature Studied: Collections, Conservation and Allied Research at the British Museum (Natural History). 64 pp., illus., bibl. London: British Museum (Natural History), 1981. £2.75.

British Museum (Natural History). Origin of Species. 120 pp., illus., index. Cambridge/New York/London: Cambridge University Press, 1981. $19.95 (cloth); $8.95 (paper).


David Castilijano. The Expanding Force in Newton's Cosmos: As Shown in His Unpublished Papers. 125 pp., illus., bibl., index. Madrid: Ediciones de Arte y Bibliofilia, 1981.


Frederick C. Durant III (Editor). Between Sputnik and the Shuttle: New Perspectives on American Astronautics. (AAS History Series, 3.) viii + 334 pp., illus., apps., index. San Diego, CA: Univelt, 1981. $40 (cloth); $30 (paper).


Wilhelmus T. M. Frijhoff. La Société Néerlandise et ses Gradsués, 1575-1814. xvi + 422 pp., illus., figs., apps., bibl., indexes. Amsterdam: APA-Holland University Press, 1981. Hfl 60.


A new quarterly journal bearing the title Problems of the History of Science and Technology, and designed to attract a wide international readership interested in this field has been published. Contents include reviews of books concerning psychological, moral, ideological cultural, and ethical aspects of scientific and technological innovations; the history of scientific and educational institutes; developments in the major branches of science and technology; also on the occasion of important anniversaries, the location and content of important collections of archival documents and artifacts. There will also be reports on the creative activity of prominent scientists, as well as on their mature reflections, regarding their own achievements and those of their contemporaries. Professor S. R. Mikulinsky is eager to collaborate with editors of their journals covering the fields of history and philosophy of science and technology by exchanging news, views, and copies of each issue produced. Subscriptions to this Journal may be arranged through the national sales representatives of soviet periodicals, or by writing to Professor Mikulinsky at the Institute for the History of Science and Technology, Staropansky Per. 1-5, Moscow K-12, U.S.S.R.

A new film, Hans Bethe: Prophet of Energy, is a portrait of an eminent physicist who has spent a lifetime exploring the nature of nuclear energy and its applications to modern-day energy needs. Bethe discusses the milestones in his career: his student work under Arnold Sommerfeld and Enrico Fermi; his flight from Nazi Germany; his work on the Los Alamos Atomic Bomb Project under Robert Oppenheimer; and his Nobel Prize winning research on the energy production in stars. Bethe is still concerned with matters of nuclear energy and is an advocate of nuclear disarmament. He has become one of the nation's leading spokesmen for American energy independence. The fifty-eight minute, 16 mm color film is available from Blackwood Productions Inc., 251 West 57th Street, New York, New York 10019.

A new Directory of Federal Historical Programs and Activities is now available. It is organized by programs (and includes responses from nearly a hundred and forty) in the legislative, judicial and executive branches of government. There is also a name index. Copies are available for $6.00 from the American Historical Association, 400 15th Street SE, Washington, D.C. 20003.

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Announcements, continued from page 6.

National Forum: Phi Kappa Phi Journal, an interdisciplinary periodical published quarterly by the National Honor Society of Phi Kappa Phi, announces a special issue for the Winter of 1983 on "The Scientific Imagination." Articles dealing with ethical, historical, social, legal, educational, or other dimensions are invited. The deadline for submission is May 1, 1982. Inquiries about manuscript titles or materials intended for publication should be addressed to Stephen N. White, Editor, National Forum: Phi Kappa Phi Journal, Box 19420A, East Tennessee State University, Johnson City, TN 37614.

The Archives of Natural History is the new name for the Journal of the Society for the Bibliography of Natural History, a change of name reflecting the widening scope of the Society's interests. It includes papers on the history of geology, botany and zoology, their collections, published works, correspondence and manuscript remains. Personal and subject bibliographies are occasionally published, as well as bibliographical accounts of individual publications of importance. Some issues of the Journal were devoted to a particular topic or individual. Other publications of the Society available for purchase are the quarterly Newsletter, which contains notes and queries, meeting reports and book notices (annual subscription $10, $20), and occasional Sherborn Fund Facsimiles of rare works in natural history.

The New Jersey Historical Commission has announced the 1982 Governor Alfred E. Driscoll Publication Prize to assist in the publication of an outstanding doctoral dissertation on an aspect of New Jersey history which might not otherwise be published. Dissertations must meet these requirements: deal with New Jersey history; have been accepted by an accredited university for a Doctor of Philosophy before submission to the Commission; and not be in the process of publication. The recipient of the Driscoll Prize will have two years to find a publisher for the dissertation. The award is $3,000: $500 to the author as a prize, and $2,500 to assist in publication. The deadline for submission is March 1, 1982.

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The New Jersey Historical Commission has announced the 1982 Governor Alfred E. Driscoll Publication Prize to assist in the publication of an outstanding doctoral dissertation on an aspect of New Jersey history which might not otherwise be published. Dissertations must meet these requirements: deal with New Jersey history; have been accepted by an accredited university for a Doctor of Philosophy before submission to the Commission; and not be in the process of publication. The recipient of the Driscoll Prize will have two years to find a publisher for the dissertation. The award is $3,000: $500 to the author as a prize, and $2,500 to assist in publication. The deadline for submission is March 1, 1982.

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**APPOINTMENTS AND PROMOTIONS**

Gregory Good, University of Toronto, has been appointed a Postdoctoral Fellow with the Joseph Henry Papers at the Smithsonian Institution.

John L. Greenberg, after two years of research and teaching in Paris, is Senior Research Assistant at the Robert A. Millikan Memorial Library, California Institute of Technology. He will assist Institute Archivist Judith R. Goodstein in her history of Caltech, supported by the Haynes Foundation.

Gary Hatfield has been appointed Assistant Professor in the Department of Philosophy at The Johns Hopkins University, beginning in the fall of 1981.

Horace Freeland Judson, author of The Eighth Day of Creation (New York: Simon and Schuster, 1979), has been appointed Henry Luce Professor of Science Writing in the Writing Seminars, with a joint appointment in the History of Science Department at the Johns Hopkins University, beginning in the fall of 1981.

Sharon Kingsland has been appointed Assistant Professor of the history of biology in the History of Science Department at The Johns Hopkins University, beginning in the fall of 1981.

Stuart William Leslie has been appointed Mellon Scholar for the history of technology in the History of Science Department at the Johns Hopkins University, beginning in the fall of 1981.

Anne Millbrooke, currently completing a doctorate in the History and Sociology of Science at the University of Pennsylvania, has joined the United Technologies Corporation Archive and Historical Resource Center as Assistant Corporate Historian and Archivist.

David Miller has been awarded the degree of PhD from the Department of History and Sociology of Science at the University of Pennsylvania and has been appointed Lecturer in the School of History and Philosophy of Science, University of New South Wales, Kensington, NSW, Australia.

Arthur L. Norberg has been appointed Director of the Charles Babbage Institute at the University of Minnesota effective September 1, 1981. He will hold at the same time a tenured position as Associate Professor in the Department of Computer Science, with teaching responsibilities in the History of Science and Technology.

Mary Jo Nye, of the University of Oklahoma, will be a visiting member in the School of Historical Studies at the Institute for Advanced Study for 1981-82.

Duane H. D. Roller has been made David Ross Boyd Professor of the History of Science at the University of Oklahoma. This distinguished professorship honors Professor Roller’s excellence in teaching.

Professor William Shea has been appointed "Directeur d'études associe" at the Centre Alexandre Koyre (12 rue Colberr, 75002 Paris) of the Ecoles des Hautes Etudes en Sciences Sociales in Paris for the academic year 1981-1982.

Roger H. Stuewer has been appointed Volkswagen Foundation Visiting Professor of the History of Science at the Deutsches Museum in Munich for the period September 1981 to March 1982.

Jeffrey Sturchio has been awarded the degree of PhD from the Department of History and Sociology of Science at the University of Pennsylvania and has been appointed Assistant Professor of History in the Department of Humanities, New Jersey Institute of Technology, Newark.

Geoffrey V. Sutton has been appointed Fellow in the History of Science and Technology at the University of Minnesota and Bakken Library of Electricity in Life, Minneapolis, effective September 16, 1981. He received his PhD from Princeton University and in 1979 was awarded the Schuman Prize of the History of Science Society.

**AWARDS AND HONORS**

Roger Hahn, University of California, Berkeley, has been elected First Vice-President (1981-1982) of the American Society for 18th-Century Studies.

Steven Kemper of Bates College, Lewiston, Maine has developed an interdisciplinary course, "Technologies of the Intelect," under a Demonstration Grant from the National Endowment for the Humanities. He will send information on request.

Melvin Kranzberg, Callaway Professor of the History of Technology at the Georgia Institute of Technology, has received the honorary degree of Doctor of Engineering from Worcester Polytechnic Institute at its 1981 commencement.

William K. McHenry, recent recipient of a master's degree from the department of applied mathematics and computer science at the University of Virginia, has been awarded the 1981-82 Fellowship of the Charles Babbage Institute for the History of Information Processing.

Nancy Nersessian, recently promoted to assistant professor of philosophy at Towson State University, has been awarded a Fulbright grant to study the works of H.A. Lorentz in the Netherlands during the academic year 1981-82. Nersessian will spend most of her time doing research at the Rijksmuseum for the History and Natural Sciences in Leiden.

Philip J. Pauly of Rutgers University has been awarded an Ohio State University Postdoctoral fellowship for 1981-1982, to be tenured for nine months beginning January 1982.

Dr. Frans Verdoorn, emeritus chairman of the Utrecht University Biohistorical Institute, was honored by his colleagues in the Netherlands on the occasion of his 75th birthday, July 24, 1981.

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The Smithsonian Institution announces its programs of weeks' study at the Society. In all four categories of fellowships, the deadline for receipt of completed applications is March 15, 1982. Contact John B. Hench, Smithsonian Fellowships, 3300 L'Enfant Plaza, Smithsonian Institution, Washington, D.C. 20560.

The American Antiquarian Society will award a number of short- and long-term Visiting Research Fellowships during the year June 1, 1982 - May 31, 1983. These awards will be made in four categories: 1. Two long-term fellowships, made possible by a grant from the National Endowment for the Humanities under its program of fellowships at centers for advanced study. The maximum available stipend is $22,000. 2. Samuel Foster Haven Fellowships, varying in duration from one to three months and carrying a maximum stipend of $1,800, will be made only to persons who reside or work more than fifty miles from Worcester, Massachusetts. 3. Albert Boni Fellowship will be awarded to a qualified scholar working in the general fields of early American bibliography, developing and publishing history. The award enables the recipient to work in the Society's library from one to two months. The stipend is negotiable up to a maximum of $1,250. 4. Frances Hiatt Fellowship will be awarded in 1982-1983 to a graduate student engaged in research for a doctoral dissertation. The award carries a stipend of $1,000 for a minimum of six weeks' study at the Society. In all four categories of fellowships, the deadline for receipt of completed applications and three letters of recommendation is February 1, 1982. Announcement of the awards will be made by March 15, 1982. Contact John B. Hench, Research and Publication Officer, American Antiquarian Society, 180 Salisbury Street, Worcester, MA 01609.

The Smithsonian Institution announces its programs of higher education and research training for 1982-1983. Smithsonian Fellowships are awarded to postdoctoral and predoctoral scholars to support independent research at the Smithsonian Institution using the collections, facilities, and laboratories and pertaining to research interests of the Smithsonian research staff. Proposals for research may be offered in the fields in which the Institution has research strength, and a limited number of 10-week appointments are available to graduate students. Research areas in the history of technology and science include: history of mathematics, physical sciences, medicine and pharmacy, engineering, transportation, agriculture, air and space, and electrical technology, and the history of science in America. Application deadline is January 15, 1982. Stipends are: $13,000 plus allowances for postdoctoral fellows and $9,500 plus expenses for predoctoral fellows. Ten-week graduate students receive $1,500. For more information and application forms please write the Office of Fellowships and Grants, 3300 L'Enfant Plaza, Smithsonian Institution, Washington, D.C. 20560.

The Massachusetts Institute of Technology Program in Science, Technology, and Society invites applications for several one-year research fellowships on the relationships of science, technology, and society. Ph.D. or equivalent desirable. Partial or full stipend is available. Application deadline is January 15, 1982. For more information, write to Professor M. Roe Smith, Chairman, Fellowship Committee 20D-219, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139.

The Department of the History of Medicine at the University of Wisconsin-Madison offers Maurice L. Richardson Fellowships for graduate and postdoctoral study in the history of medicine. These awards, ranging from $500 to $4,800 per academic year, are open to qualified students combining the history of science and medicine, as well as those specializing in the history of medicine. The application deadline is April 1, 1982. For further information contact the Department of the History of Medicine, University of Wisconsin, 1305 Linden Drive, Madison, Wisconsin 53706.

The American Council of Learned Societies has announced the deadlines for 1982-1983 assistance: Fellowships: September 30, 1981; Research Fellowships for Recent Recipients of the Ph.D.: September 30, 1981; Study Fellowships: November 15, 1981; Grants-in-Aid: December 15, 1981. The Council's programs of fellowships and grants are designed to advance research. Competitions are not limited to members of academic faculties. General inquiries and requests for application forms should be addressed to the Office of Fellowships and Grants, ACLS, 800 Third Avenue, New York, New York 10022.
Individuals in colleges, universities, and other institutions having knowledge of possible or definite job openings are urged to relay such information to the Secretary of the Society, Dr. Sally Gregory Kohlstedt, as soon as possible for publication in the Newsletter. Such sharing of job information is consistent with the general sentiment that members of the HSS express on the desirability of open listings of available positions.

Except as noted, the positions listed are new openings that have been brought to the attention of the Secretary. All inquiries should be addressed to the institution having the opening, and only serious and qualified persons should apply. It is assumed that the positions listed are in fact open at the time of publication. The Society, however, can assume no responsibility for the accuracy or currency of the listings.

1. The Charles Babbage Institute, University of Minnesota, Twin Cities

Description: Associate Director. Scientist/engineer with demonstrated abilities and achievements in the history of computing or an historian of science and technology (emphasis in the history of computing or related field preferred). Primary duties will be to assist the Director in monitoring and carrying out all phases of the CBI programs and activities. Ph.D. or equivalent record of scholarly accomplishments in above field(s), administrative skills, required; familiarity with oral history techniques desired. Renewable contract (minimum three years); twelve-month appointment; salary open, depending upon qualifications and experience. Applicants should submit a dossier, including the names of at least three references. The deadline for receipt of applications is November 15, 1981.

Contact: Professor Arthur L. Norberg, Director, The Charles Babbage Institute, 104 Walter Library, University of Minnesota, 117 Pleasant Street SE, Minneapolis, Minnesota 55455.

2. National Library of Medicine, Bethesda, Maryland

Description: Historian of medicine or biomedical science to serve as deputy chief, History of Medicine Division, and to assist the Chief in developing and managing the Library's programs and collections in history of medicine. Factors to be considered in the selection include appropriate training at the doctoral level or equivalent experience, evidence of independent scholarly research and publications, administrative experience, and experience in the management of library special collections (rare books and/or manuscripts). This is a US Civil Service position at the GS-14 level ($37,671 to $49,229 plus an expected increase in October 1981). Applicants must send an Application for Federal Employment (SF171), list of publications, and other supporting data by December 31, 1981.

Contact: Stella Graves, Personnel Office, National Library of Medicine, 8600 Rockville Pike, Bethesda, Maryland 20205 (301) 496-4943.

3. State University of Campinas (UNICAMP), Brazil

Description: Historian of Science in the Department of Philosophy, preferably with specialization in post-17th century physics, starting in August of 1982. Contract is for two years, with possibility of renewal.

Contact: Dr. Harvey R. Brown, Centro de Logica, Epistemologia e Historia da Ciencia, UNICAMP, Caixa Postal 6133, Campinas 13.100, Sao Paulo, Brasil.

4. Thomas A. Edison Papers, Rutgers University, New Brunswick, New Jersey

Description: Two positions for Editorial Associate or Assistant Editor. These are new faculty research positions that carry responsibility for preparation and editing of materials for the microfilm and book editions of the Edison Papers. Advanced study in history is required, preferably in the era of Edison. One person should have a background in the history of technology or science and experience in working with visual and artifactual materials. The other should have a background in business and economic history. The application deadline for both positions is October 26, 1981. EOE/AA.

Contact: Thomas A. Edison Papers, One Richardson Street, Rutgers, The State University, New Brunswick, New Jersey 08903.

5. National Science Foundation, Washington, D.C.

Description: Senior philosopher of science in the Division of Policy Research and Analysis, under the provisions of the Intergovernmental Personnel Act of 1970. Duties include the examination of the key dimensions of the utilization of research in the science and technology policymaking process. Methodological and epistemological issues as they influence research results in the inexact sciences are a major concern. Applicants should hold a Ph.D. in philosophy and have a demonstrated record in philosophy of science. The assignment is for one to two years, starting between February and June 1982. The individual selected will remain an employee of the nominating organization which may be reimbursed for a portion of salary and other costs related to the assignment. Letters of nomination and vita should be forwarded by the applicant's institution, not by the individual.

Contact: Joshua Menkes, Group Leader, Technology Assessment and Risk Analysis, Room 1233, National Science Foundation, 1800 G Street, NW, Washington, D.C. 20550.

Summary of jobs previously noted in the Supplement or in the July Newsletter.

6. Stanford University, Stanford, California

Description: Assistant Professor, history of modern (19-20 c) physical science. Responsibilities to teach courses, some of general, some of specialized nature, on both undergraduate and graduate levels. Special consideration will be given to demonstrations of scholarship and ability to explore the substantial scientific and technical resources of the Stanford community. Three year appointment in the first instance with normal opportunities for renewal, promotion and tenure. Send application with curriculum vita by November 15, 1981. EOR.

Contact: Eric Hutchinson, chair, History of Science Committee, Office of the Academic Secretary, Building 170, Stanford University, Stanford, California 94305.
7. California Institute of Technology, Pasadena, California

Description: CALTECH is looking for help to adapt its Freshmen Physics course for television. The plan is to establish a new standard for public scientific education by preparing a course of uncompromising scientific and mathematical sophistication and television excellence. Competence is required in Physics and the history of science with imagination, teaching experience, writing skill, and a sense of humor. Can be postdoctoral-type position, a place to spend a sabbatical leave, or other arrangement. Dates, salary, etc. negotiable.

Contact: Don Delson, 63-37, California Institute of Technology, Pasadena, California 91125.

8. Harvard University, Cambridge

Description: Three-year Assistant Professor and Head Tutor starting July 1, 1982, renewable for an additional three years, with the expectation of one half year leave at full salary. Responsibility for teaching one course (or seminar) each term, as well as individual or small group tutorials, and administration of the Department's undergraduate tutorial program. Department will consider any field of interest within the history of science, medicine or technology. Ph.D. required by 1 September 1982. Salary will be approximately $20,100. Deadline for application, dossier (including three letters of recommendation), and appropriate written/published material, is January 15, 1982.

Contact: Professor Erwin N. Hiebert, Chairman, Department of History of Science, Harvard University, Science Center 235, Cambridge, Massachusetts 02138. EOE/AA.

9. Harvard University, Cambridge

Description: One-year lecturer, starting July 1, 1982. Responsibility for teaching one course (or seminar) each term, with some participation in the undergraduate tutorial program at the administrative and teaching level. Department will consider any field of interest within the history of science, medicine, or technology. Ph.D. by September 1, 1982 is required. The salary will be approximately $20,100. Deadline for application, dossier (including three letters of recommendation), and appropriate written/published material, is January 15, 1982.

Contact: Professor Erwin N. Hiebert, Chairman, Department of History of Science, Harvard University, Science Center 235, Cambridge, Massachusetts 02138. EOE/AA.

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DISSERTATIONS

The Johns Hopkins University


REGISTRATION FORM
1981 HISTORY OF SCIENCE SOCIETY ANNUAL MEETING (DECEMBER 27-30)
LOS ANGELES, CALIFORNIA

NAME

AFFILIATION

ADDRESS

CITY.....................................STATE..........................ZIP...........

Registration Fee (Members), @ $15.00
Registration Fee (Non-Members), @ $20.00
Registration Fee (Students), @ $10.00

Round-Table Luncheon Discussions. (For full titles and convenors see the program on pp. 7-10 of this issue). As the number of participants will be limited, please indicate the order of your preference.

1. Luncheon on Monday, December 28, @ $12.00 Vegetarian meal
   1. ISIS--Thackray
   2. HSS--Holmes
   3. Medieval--White
   4. Recent Science--Segre

2. Luncheon on Tuesday, December 29, @ $12.00 Vegetarian meal
   1. ISIS--Thackray
   2. HSS--Holmes
   3. Medieval--White
   4. Recent Science--Segre

History of Science Society Dinner on Tuesday, December 29, @ $16.00 Vegetarian meal
To be held at the Athenaeum, Caltech (transportation and wine included)

$ TOTAL. Please make check payable in U.S. dollars to History of Science Society and mail it with completed form by November 15 to:
Registration--History of Science Society
Medical History Division, Department of Anatomy
UCLA Medical School
Los Angeles, California 90024

Please indicate if you anticipate making use of the AHA child-care facilities at the Bonaventure Hotel
Please indicate if you wish information about cultural/tourist attractions of the Los Angeles area

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HOTEL RESERVATION FORM
1981 HISTORY OF SCIENCE SOCIETY ANNUAL MEETING (DECEMBER 27-30)
LOS ANGELES, CALIFORNIA

NAME

AFFILIATION

ADDRESS

CITY.....................................STATE..........................ZIP...........

Date arriving_________ Hour A.M._________ Date departing_________ Hour A.M.

Please reserve:      Single(s) @ $42.00
                   Doubles(s) @ $52.00
                   Twins @ $52.00

I wish to share a room with
I will share a room with another member of this group selected by the local arrangements committee.

Please make reservations at least two weeks before arrival in order to obtain a confirmed room. Reservations will be held only until 6:00 p.m. unless otherwise requested. Participants planning to arrive after 6:00 p.m. should enclose a credit card number to guarantee payment for that night. Above rates do not include local taxes. Checkout time is 1 p.m.

Please fill out and return to: Reservations Dept.
Hyatt Regency Los Angeles
711 So. Hope Street
Los Angeles, California 90017

Credit card name and number: _______________________________