I am happy to give you this progress report on the Challenge Fund Drive of the History of Science Society.

As I reported to you previously, on March 9, 1983 the National Endowment for the Humanities (NEH) did in fact award our Society the Challenge Grant of $80,000 for which we had applied. The Grant was contingent on our raising an additional $240,000 from non-Federal sources for such specific purposes as the expansion of our publication and education programs, and the Society's assistance to the career development of our younger members, who form the largest and still-growing part of our Society.

This Grant was not only good news in itself. Made by a Federal agency in a rigorous competition at a time of economic difficulties, it helped to calibrate the credibility of our whole Fund Drive. In announcing the award, the Chairman of the NEH, William J. Bennett, added that the grant demonstrates the NEH's interest in the vitality of the institution, its "recognition of merit and promise," and its "commitment to stimulate private sector support." He challenged the Society "to make to the public the same strong case it made to the NEH."

The next step proved to be also successful. Thanks to leads supplied largely by some members of the informal Council of Friends of the History of Science we had pulled together earlier (see list below), we obtained practically all of the necessary Matching Funds within a month of the NEH announcement.

During this first phase of our Drive, the leadership role in funding was assumed chiefly by the Andrew W. Mellon Foundation, the Charles E. Culpepper Foundation, and the Richard Lounsberry Foundation, together with a small number of individual donors. The Society is grateful to all of them, for their contributions and for their faith in our aims.

With the first phase of our Drive substantially completed and the upgrading of our publications and professional development programs begun, we are now turning to the remaining—and much more difficult—part of our Drive.

The new Program Fund in hand or pledged permits, of course, only the initial renewal and growth. For the continued life of these programs, we must now seek long-term resources from individual donors and from industrial sponsors (Corporate Associates) who understand the need to strengthen the professional study of the historic development of science, technology, and medicine and their interaction with society. There is no longer any doubt that these subjects are at the heart of the advancement of scholarship as well as policy decisions in our time; therefore we are confident of our success, if all members of our Society and all friends of the cause will do their part in direct contributions or in helping us locally to identify and approach prospective major donors.

This is how matters now stand. The first phase, the Program Fund for upgrading our publications and professional development, was set at $350,000. As I indicated, all but $50,000 has been raised in gifts and pledges, thanks mainly to the NEH action and the Matching Funds that followed. These funds are already being put to use as we are phasing in the activities we have so long hoped for (e.g., resuming the publication of Osiris).

The next phase is to raise, from individuals and Corporate Associates, the Long-term Funds. The steady income from them will assure the continued life of the new Programs, avoiding the danger that we might otherwise slip back to the "bare-bones" deficit operation of the recent past. The goal for the Long-term Fund is $1,700,000, to be raised during 1983, '84, and '85. Toward this goal, our Society has already obtained, in gifts or pledges, $350,000, leaving $1,350,000 to be raised under this heading.*

*The History of Science is tax exempt under Section 501(c)(3). Contributions may be addressed to "The History of Sciences Society Challenge Fund Drive" and sent either to the President's office at 358 Jefferson Laboratory, Harvard University, Cambridge, MA 02138, or to the History of Science Society Fund Drive, % American Council of Learned Societies, 228 E. 45th St., New York, NY 10017. Gifts of securities may be put into the "History of Science Society, Inc., Challenge Grant Fund Account #11062601," % Prudential-Beach Securities Co., Durham, NC 27701.
So while the task before all of us is large, we can take courage from the fact that 32% of the total Drive has been achieved in a matter of a few months.

The Executive Committee of the Society continues to assist me as the supervisory organ during the Fund Drive. Our Vice-President, Edward Grant, has kindly agreed to organize the consultation process with the heads of our Standing Committees during the phasing-in of the various new Programs. Mr. William Golden of New York City has graciously accepted our request to join the Society's Finance Committee, and thereby enrich it through his long experience as financial advisor and trustee.

These are a few of the steps by which the Society has brought its managerial competence in line with the need to raise, care for, and use our funds properly.

What will our Society be able to do when the Fund Drive has succeeded? The following is the spectrum of expected main activities in "steady state."

I. For the advancement of research and scholarship through publications of the society

Isis: Commissioning and publishing major survey reviews of new fields such as science in industry, science in China and Japan, science in Islam; three per year. Also a long-needed Index of past publications in Isis.

Osiris: Re-establishing the publication for monographs, long essays, and bibliographies; at least 1 volume per year.

Critical Bibliography: Extension and computerization.

Publications of the Education Committee (syllabi, resource booklets, annotated guide to publications in the field, etc.).

Revised and expanded (printed) Newsletter, including search for job listings at nonacademic institutions; fellowships; timely essays.

II. For the advance of research and scholarship through symposia on frontier topics at Society meetings (annual and regional)

Two to three per year.

III. For other activities in aid of the career development of the younger scholars

Operation of a job fair at meetings.

Establishing a Book Fund for the support of first publications through Scholarly Presses of significant theses, etc., that could not otherwise be published.

Establishing a fund for selected younger scholars to come to Society meetings to present their work.

Internships to be administered by the Society in order to place trained historians of science, technology, or medicine at an early stage of their career, for a year or more, into collaborating laboratories, archives, or other positions where they can do research on the newest problems of our field.

IV. Strengthening the operations of the History of Science Society itself

Establish and operate a Membership Drive; a group of Friends of the History of Science; a group of Corporate Associates.

Supplement the large amount of work being done by unpaid volunteers, e.g., by providing for the out-of-pocket expenses of our Standing Committees (telephone, meetings).

Establishing closer working relations (including better joint meetings) with cognate societies (AHA, SHOT, 4S, History Division of scientific societies, National Academy of Sciences, AAAS, etc.)

V. Support of Prizes of the History of Sciences Society

Some of these hopes are already becoming realities. I shall continue to keep you informed as the Drive progresses.

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Council of Friends of the History of Science

David Baltimore, Biologist, MIT, Nobel Laureate
John Bardeen, Physicist, University of Illinois, Nobel Laureate
Silvio Bedini, Keeper of the Rare Books, Smithsonian Institution
Jeremy Bernstein, Physicist and Author (New Yorker)
William Bevan, Provost, Duke University
Gert H. Brierger, Medical Historian, University of California, San Francisco
Harvey Brooks, Professor of Technology & Public Policy, Harvard University
Harcourt Brown, Past President, History of Science Society
Laurie M. Brown, Physicist, Northwestern University
Stephen G. Brush, Physicist, Historian of Science, University of Maryland
McGeorge Bundy, Historian, New York University
John G. Burke, Historian of Science, University of California
Thomas D. Cabot, former President, Cabot Corporation, Boston
Marshall Clagett, Past President, History of Science Society
I. Bernard Cohen, Past President, History of Science Society
Edward E. David, Pres., President, Exxon Research and Engineering Co.
Bern Dibner, Founder, Chairman Emeritus, Burndy Corporation, Norwalk, Connecticut
John Diebold, Founder, Chairman, Diebold Group, Inc., NYC
B. J. T. Dobbs, Historian of Science, Northwestern University
Sidney M. Edelstein, President, Dexter Chemical Corporation
John T. Edsall, Biologist, Harvard University
Herman Feshbach, President, American Academy of Arts and Sciences
William A. Fowler, Physicist, California Institute of Technology
John Hope Franklin, Historian, Duke University
Robert Friedel, Director, Center for History of Electrical Engineering, IEEE
Joseph S. Fruton, Biochemist, Yale University
Eugene Garfield, Founder, President, Institute for Scientific Information, Philadelphia
Charles C. Gillispie, Past President, History of Science Society
Owen Gingerich, Astronomer, Historian of Science, Harvard University
William T. Golden, Corporation Director and Trustee, New York
Judith R. Goodstein, Institute Archivist, R. A. Millikan Library, Cal. Inst. of Technology
Stephen Jay Gould, Paleontologist, Harvard University
Loren Graham, Historian of Science, MIT
Stephen R. Graubard, Editor, Daedalus; Historian, Brown University
John C. Green, Historian of Science, University of Connecticut
Jesse L. Greenstein, Astronomer, California Institute of Technology
Henry Guerlac, Past President, History of Science Society
Oscar Handlin, Historian, Harvard University
Candidates biographies are arranged alphabetically and the ballot appears at the end of page 7. Please mail ballots so that they are postmarked by September 1, 1983.

Members are reminded of F.L. Holmes’ statement “Why Vote?” published on page 18 of the July 1982 Newsletter. Holmes stated, “The central means by which the membership as a whole gains access to the Society’s governing 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.” He concluded by urging all members to vote for “the integrity of the History of Science Society rests ultimately upon your votes,” especially in a period when new directions are being taken as new funds are being found to apply to projects which had, up to recently, been dreams.
Candidates Biographies

Muriel L. Blaisdell

Richard W. Burkhardt, Jr.

P. Thomas Carroll

Diana Long Hall

Karl Hufbauer

Rachel Laudan
Ronald L. Numbers

Charles Rosenberg

Margaret W. Rossiter

David B. Wilson

Erwin Nick Hiebert

Seymour H. Mauskopf


Barbara Gutmann Rosenkrantz

Education: A.B. Radcliffe College, magna cum laude 1944; Ph.D. Clark University, June 1970; Professor of the History of Science, Faculty of Arts & Sciences and the School of Public Health, Harvard University, 1975; Master, Currier House, 1974-79 Harvard Univ.; National Research Council, 1983.


Cecil J. Schneer

Cecil J. Schneer has taught mineralogy, geology and the history of science since the early fifties at the University of New Hampshire where he has convened two conferences on the history of geology. He has been briefly, a mining geologist in Peru, a reluctant naval officer, and an Associate Editor of the Dictionary of Scientific Biography. Dr. Schneer has published on the thermodynamics of phase change and the distribution of crystal morphology in geological time and space, as well as on the rise of historical geology in seventeenth century England. His studies of the Renaissance background to crystallography appeared in the Festschrift for Henry Guerlac, The Analytic Spirit and the May-June issue of The American Scientist. An introductory survey of the history of science, The Search for Order (1960) is being reissued. He participated in the establishment of American and international committees for the History of Geology serving as officer for each. Professor Schneer was born in 1923 and studied in the public schools of New York City, Harvard University AB 1943, AM 1949 and Cornell University, Ph.D. 1954.

Spencer R. Weart


David K. Allison

Professor of History and Philosophy of Science, Indiana University. Ph.D., Harvard, 1967.

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### History of Science Society 1983 Ballot

1. **Candidates for Council**, three year term expiring December 31, 1986. (Vote for 5 of the 10 candidates):

    ______ Muriel Blaisdell
    ______ Richard Burckhardt
    ______ Thomas P. Carroll
    ______ Diana Long Hall
    ______ Karl Hufbauer
    ______ Rachel Laudan
    ______ Ronald Numbers
    ______ Charles Rosenberg
    ______ Margaret Rossiter
    ______ David Wilson

2. **Candidates for Nominating Committee**, one year term. **Council Members** (Vote for 3 of the 6 candidates):

    ______ Owen Hannaway
    ______ Erwin Hiebert
    ______ Seymour Mauskopf
    ______ Barbara Rosenkrantz
    ______ Cecil Schneer
    ______ Spencer Weart

**Non-Council Members** (Vote for 2 of the 4 candidates):

    ______ David Allison
    ______ Frederick Churchill
    ______ Robert Frank
    ______ David Hollinger
**Programs**

<table>
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<tr>
<th>Programs</th>
<th>Deadlines</th>
<th>For Projects beginning</th>
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<tr>
<td>Research Resources tel. 724-0341</td>
<td>June 1, 1983</td>
<td>April 1, 1984</td>
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<td>U.S. Newspaper Projects</td>
<td>Jan. 15, 1983</td>
<td>July 1, 1983</td>
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<td>Research Tools and Reference Works</td>
<td>July 1, 1983</td>
<td>April 1, 1984</td>
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<td>Editions</td>
<td>Nov. 1, 1982</td>
<td>April 1, 1983</td>
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<td>Translations</td>
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<td>Publications</td>
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<td>Basic Research</td>
<td>Feb. 1, 1983</td>
<td>January 1, 1984</td>
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<td>Archeology</td>
<td>Feb. 1, 1983</td>
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<td>Regional Studies</td>
<td>Feb. 1, 1983</td>
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<tr>
<td>Research Conferences</td>
<td>Sept. 15, 1983</td>
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<td>Humanities, Science, and Technology</td>
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<tr>
<td>Joint NEH-NSF Program</td>
<td>Feb. 1, 1983</td>
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<tr>
<td>Individual Awards</td>
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<td>April 1, 1984</td>
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<tr>
<td>Collaborative Projects</td>
<td>Feb. 1, 1983</td>
<td>October 1, 1983</td>
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<tr>
<td>Intercultural Research tel. 724-0226</td>
<td>Aug. 1, 1983</td>
<td>April 1, 1984</td>
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<td>Feb. 15, 1983</td>
<td>July 1, 1983</td>
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**Projects Funded by NEH**

**Humanities Projects in Anthropology, Quantitative History, Linguistics, History and Philosophy of Science and the Social Sciences**

If your project involves one or more of the above disciplines, it may be eligible for support at both NEH and NSF. Where appropriate, joint funding by the two agencies can be arranged. If you wish to discuss joint funding, or if you are uncertain as to the most appropriate agency for your project, you should contact both the General Research Program and the NSF Behavioral and Neural Sciences Program (for anthropology and linguistics) or Social Sciences Program (for economics, geography, political science, sociology, and history and philosophy of science).

If your project is eligible at both NSF and NEH and you choose to apply to NEH, your project description should explain how the proposed research will advance knowledge or critical understanding in the humanities. It should also relate project objectives to analytical and methodological concerns in contemporary humanities scholarship.

**Oral History**

The program does not support oral history collection except as part of a larger research design which also includes research in archival and published sources. Projects which make use of oral history as a resource for public programming may be eligible for support from divisions of Public Programs or Special Programs, as well as from the state humanities committees. If your project involves the instruction of students at any level in the use and application of oral history techniques, you should contact the Division of Education Programs.

If your oral history project is appropriate for support in the General Research Program, your project description should contain the following information: the training and experience of interviewers, preparation plans, criteria for selecting interviewers, efforts to obtain full cooperation, and arrangements for transcrib-
ing, editing, and indexing tapes, where the collected materials will be deposited, and the projected cost per interview, from preparation to the final editing of the transcription. Evidence of formal training and practical experience in oral history on the part of the project director strengthens proposals.

Applicants are urged to consult the guidelines of the Oral History Association (North Texas State Univ., P.O. Box 13734 N.T. Station, Denton, TX 76203) on the principles, rights and obligations incumbent on researchers.

Research Conferences

Purpose: The program supports a limited number of conferences, symposia, and workshops to enable scholars to discuss and advance the current state of research on a particular topic or to consider means of improving conditions for research or inquiry. These meetings should be designed to accomplish objectives that cannot be attained by other means or without Endowment support. Younger scholars as well as senior scholars should be invited to participate, and the meeting should appeal to as large an audience as is commensurate with the requirement for success. Normally, contributing participants number from ten to twenty, audience participants from thirty-five to two hundred or more. Since this category is designated to further collaborative research, meetings for other purposes (e.g. celebration, professional interests, education) are not likely to prove competitive here.

Associations, societies, and professional organizations that meet on a recurrent basis for discussion of the same general topic should not apply to this program; the funds available are intended to enable scholars to meet within the framework of a specifically delineated area of inquiry for the purposes of attaining carefully formulated objectives. Nevertheless, international scholarly conferences held in the U.S. are eligible for support in this category. Proposals for meetings in foreign locations are rarely competitive.

In the evaluation of applications, special emphasis is placed on the potential of the conference to advance research on a significant problem; on the practical design of the meeting; on the efficient construction of circumstances which will furnish an optimal situation for the exchange of information; and on the experience and ability of the applicant to manage successfully the entire course of the enterprise. Normally those applications are most successful which are analytic rather than synthetic; small and manageable in size rather than large and unwieldy; focused on the state of the art or new directions in the field rather than devoted solely to celebration or commemoration of a person, topic, or event; and committed to providing some diversity of viewpoints rather than one perspective.

Project Description

Proposals should be written in language intelligible both to experts in the field and to non-specialist scholars. Applicants should justify the need for the meeting in terms of the current state of the topic or field. They should indicate the specific issues to be addressed as well as the participants (tentative, if necessary), why they were chosen, and the topics on which they will speak. It is also important to include a tentative program schedule. Applicants are encouraged but not required to submit a preliminary budget. Ideally, final applications will be submitted near the end rather than the beginning of the planning process, when it should be possible to present a fairly firm list of speakers and topics. In general, the more cogent the explanations and the more intelligible the shape and purpose of a proposal, the more successful it will be.

Budget

Levels of funding normally range from $2,500 to $10,000. Outright funding is limited to $10,000. Applicants should consider the possibility of applying for matching grant support, particularly when the funds needed exceed the $10,000 limit. The following expenses are allowable and should be itemized in detail in the budget: a modest amount of released time for the principal investigator(s); secretarial and/or administrative assistance; tourist-class travel and per diem for contributing participants; expendable office supplies; rental equipment, publicity, postal and telephone costs; indirect costs.

Duplication costs may be requested for the dissemination of typescript contributions, results of the conference and/or other information about the meeting. Expenses for editing conference papers may also be allowed, but requests for publication costs should be made to the Publications Program of the Research Division.

Because contributing scholars benefit in many ways from their participation at such meetings, requests for honoraria normally should not be made. Where exceptional circumstances require honoraria or consultant fees, they should be modest ($100 to $300) and carefully justified.

The costs of banquets, receptions, coffee breaks, and entertainment are disallowed by Federal regulations and should not be requested in the budget.

If registration fees are to be charged, the amount should be modest and specified in the proposal. Registration fees should be calculated as part of the 20 percent institutional cost-sharing required in this program.

All participants should be encouraged to apply to their parent institutions or to the ACLS for assistance with travel costs. For international meetings in this country, foreign nationals should apply to their own governments for travel assistance. A statement concerning these efforts should appear in the project description.

Humanities, Science and Technology: The National Endowment for the Humanities has a longstanding interest in research which brings humanities scholarship to bear on science and technology. This interest is supported by the Humanities, Science and Technology program within the NEH Division of Research Programs.

In 1983 the Endowment plans to offer limited support through this program for two specific areas of science studies:

1. The NEH Humanities, Science and Technology program will continue to collaborate with the ethics and values in Science and Technology.
program of the National Science Foundation to support interdisciplinary studies of science-related ethical issues and the value presuppositions in science and technology they may involve. This joint activity has categories for the support of individual projects as well as larger scale collaborative projects.

**Deadlines:**
- Individual Awards: February 1, August 1.
- Collaborative Awards: February 1, August 1.

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**CALL FOR PAPERS**

**History of Medicine—Nov. 15 1983**

The American Association for the History of Medicine will hold the 1984 annual meeting in San Francisco, May 2 to 5. Persons wishing to have papers considered for the program are requested to submit an abstract (original and 5 copies) of approximately 2 to 5 pages typed on a single page to the Chairman of the Program Committee: Dr. Dale C. Smith, Section of Medical History, Uniformed Services University of the Health Sciences, 4301 Jones Bridge Road, Bethesda, MD 20814 by November 15, 1983. Please include a cover sheet with mailing address, phone number, and information on occupation, degrees held, and institutional affiliation. 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 time of 20 minutes, but may be followed by a discussion period at the discretion of the session chairperson. Participants are reminded that the Bulletin of the History of Medicine, the official organ of the Association, reserves the right to consider for publication any paper delivered at the meeting.

**Geological Society of America**

As announced at the annual meeting and in the Division’s newsletter, the Steering Committee for the Decade of North American Geology has authorized preparation by us and publication by the Geological Society of America of a 400-page centennial commemorative volume to consist of original papers dealing with the history of geological ideas and institutions in North America since the Society’s founding. The general theme of the volume, to contain approximately twenty five to thirty papers is, within this time frame, threefold:

- contributions of individuals
- progress through collective thinking
- evolution of significant ideas.

Single-page abstracts of proposed contributions should be sent for evaluation to both of the following as soon as possible:

- Ellen T. Drake
  Editor, History of Geology Division
  Centennial Volume
  School of Oceanography
  Oregon State University
  Corvallis, OR 97331

- William M. Jorden
  Chairman, History of Geology Division
  Centennial Committee

**Major Victorians and Major Victorian Issues—November 15, 1983**

Patriarchs, Prophets and Demons: Major Victorians and Major Victorian Issues Revisited will be the topic of the 1984 meeting of the Midwest Victorian Studies Association in Ann Arbor, Michigan, 12-14 April 1984. The Association welcomes proposals treating either persons or issues traditionally considered "major" or lesser figures or issues that are candidates for upward reassessment. Eight-to-ten-page papers or two-page abstracts should be sent, no later than 15 November 1983, to Frederick Kirchoff, Dept. of English and Linguistics, Indiana University-Purdue University at Fort Wayne, Fort Wayne, Indiana 46805.

**Social Theory—Sept. 1, 1983**

Current Perspectives in Sociological Theory, a yearbook journal of social theory, will consider papers on Comparative Historical Sociology themes for next year’s edition. The papers may be substantive or theoretical, and, Marxian, Weberian, and Durkheimian orientations are all welcome. Papers of purely historical subject matter will be considered, although papers focused on macro-sociological comparisons and on themes relevant to contemporary experience are preferred. Send papers to: Dr. Ronald Glassman, Dept. of Sociology, William Paterson College, Wayne, NJ 07470.

**1984 JAS in the Physical Sciences**

The 11th annual meeting of the Joint Atlantic Seminar in the History of the Physical Sciences will be held at Cornell University on April 27-28 1984. The theme for the Friday evening session will be announced at a later date. Graduate students and recent Ph.D.s who would like to present papers at the Saturday session should forward an abstract of the paper and a curriculum vita to Professor L. Pearce Williams, Department of History, Cornell University, Ithaca, NY 14853. Individuals who are not currently on the JAS mailing list should notify Professor Williams.
Awards

Guggenheim Fellowships
The following Guggenheim Fellowships were awarded in areas of the history of science and medicine:

Alan Beyen (Ohio State University): “James Franck and the Social Responsibility of the Scientist.”

Norman Dain (Rutgers University): “Hostility to Psychiatry in the United States, 1840-1980.”

Joseph S. Fruton (Yale University): “Studies in the History of the Biochemical Sciences.”

Trevor H. Levere (University of Toronto): “Science and Arctic Exploration, 1818-1980.”

James C. Mohr (University of Maryland Baltimore County): “Medical Jurisprudence in the United States during the 19th Century.”


Rosemary A. Stevens (University of Pennsylvania): “American Hospitals in the 20th Century.”

ACLS Travel Grants were awarded to Sally Gregory Kohlstedt, Mary M. Robischon and Nathan Sivin in the March 1, 1983 competition.

Margaret Rossitor won the 1983 Berkshire prize for her book Women Scientists in America, Struggles & Strategies to 1940.

Announcements Sought
Members are encouraged to send news items to the Newsletter Editor. Announcements of history of science related meetings, lectures, etc. are welcome, especially those sponsored by societies and local history of science groups that may not have been covered in the Newsletter in the past.

Announcements
The Secretary is seeking information regarding the computer technology available to members in their institution or at home. Please send type of computer and modern capability. Seven members replied to this request printed in the April 1983 Newsletter.

Authors are reminded to ask their publishers to send books to the book exhibit to be held in Norwalk, Connecticut 27-30 October 1983 during the annual meeting. Please contact Jane Morley, Exhibit Coordinator, University of Pennsylvania 215 South 34th St/D6, Philadelphia, PA 19104.

Guide to the John and Washington Roebling Collections edited by Elizabeth C. Stewart with an introduction by Robert M. Vogel is available for $15 including postage. Send check to Friends of the Folsom Library, Institute Archives Rensselaer Polytechnic Institute, Troy, N.Y. 12181.

A bill to allow tax credit for significant scientists’ papers, letters, etc., H.R. 1285, the National Heritage Resource Act is proposed to include tax deductions for scientists of note to deposit their manuscripts, papers, letters, in public institutions. Those materials created no less than one year prior to the donation, accompanied by a written appraisal of the fair market value by a qualified appraiser given to a tax exempt institution will qualify under this bill if passed into law. Members of the HSS are asked to support this bill and contact the sponsor of the bill, Thomas J. Downey, Representative from the 2nd District of New York (4 Udall Road, West Islip, N.Y. 11795 or tel. 516-661-8777.)

Help Wanted: Darwin Edition
The editors of Charles Darwin’s Theoretical Notebooks (Paul Barrett, Peter Gautrey, Sandra Herbert, David Kohn, and Sydney Smith) would appreciate hearing from historians who have noted errors in transcription or notes in previously published notebooks (the Red Notebook, and notebooks B,C,D,E,M, and N). All contributions will be gratefully acknowledged. Please address replies to Sandra Herbert, Dept. of History, UMBC, Baltimore, MD 21228.

Roger Hahn gave the presidential address to the American Society for Eighteenth Century Studies on 8 April 1983 at the Roosevelt Hotel in New York City. His topic was: “The Dawning of Modernity-1783.”

Winter Meeting, 1983
The West Coast History of Science Society in conjunction with the Pacific Coast Conference on British Studies met at the Henry E. Huntington Library on March 26, 1983. In addition to a work-in-progress session, the program included sessions on “Science and the Ordering of Experience in the Romantic Era,” and “Utopian Visions Between the Wars: Literary and Scientific England.”

Centre for History of Science and Medicine
Dr. Piyu Rattansi announces that University College London has established a Centre for History of Science and Medicine to coordinate activities in the field in various departments. The resources of the Centre including the libraries of the College, the Wellcome Institute and other institutions are available to visiting graduate students who may be affiliated in the category of a Non-Degree Student for a fee of £350 Visiting academic staff who plan to stay for a term or longer may be considered for affiliation. For information contact Dr. P. M. Rattansi, Dept. of History and Philosophy of Science, University College London, Gower St., London WC1E 6BT, England.
Name Change

The Society for the Bibliography of Natural History has become the Society for the History of Natural History as of March 28, 1983. The Society is the focal point for all those interested in natural history’s past, the history of its various disciplines, and the lives, collections, books, artistic and literary remains of naturalists. It has an international membership of professional scientists, book collectors, bibliographers and librarians. Annual subscription is $25.00 payable on election. To apply for membership contact: The Hon. Secretary, Society for the History of Natural History, British Museum (Natural History), Cromwell Road, London SW7 5BD, England.

ACLS Address Change

After June 1, 1983 the new address for ACLS will be 228 E. 45th St., New York, New York 10017. Former address was 800 Third Avenue, New York, NY 10022.

NHA Director Leaves

The National Humanities Alliance Director, Moira Egan has resigned to take a position as Administrative Assistant to the President of the New York Public Library. Under her direction the NHA has been very successful in resisting Federal budget cuts and representing the humanities in Washington, D.C.

Correction

Employment Market Report for Jobs Beginning 1961-82. The data accompanying the report on pages 11-13 of the April Newsletter are to be found on pages 18-21 of that issue. An earlier version of the charts was inadvertently printed on pages 14-17.

New Officers

Arthur I. Miller has been elected Vice-Chairperson of the Division of History of Physics of the American Physical Society for 1983. Miller is University Professor of Philosophy and History and Affiliate of the Physics Dept., University of Lowell, and an Associate of the Physics Dept., Harvard University. He is the author of Albert Einstein’s Special Theory of Relativity: Emergence (1905) and Early Interpretation (1905-1911) and a forthcoming book On the Nature of Scientific Discovery. In 1984 Prof. Miller will succeed Prof. Laurie M. Brown of Northwestern University as Chairperson of the Division.

The Division also elected Allan Franklin and Gloria Lubkin to 3-year terms on its Executive Committee. Franklin is Professor of Physics at the Univ. of Colorado. Lubkin is Senior Editor of Physics Today and has participated in oral history interviews with several physicists, as a consultant to the American Institute of Physics’ Center for History of Physics.

Bibliography of the History of Australian Science

The third annual bibliography of works on the history of Australian science is expected to be published in the Australian Academy of Science’s Historical Records of Australian Science in November, 1983. The bibliography will list mainly works published during 1982, but will also include items published prior to 1982 which have not been included in the earlier bibliographies. The scope of the bibliography is limited to the material on the history of the natural sciences (mathematics, physical sciences, earth sciences and biological sciences) and the applied sciences (medical and health sciences, agriculture, transport, manufacturing and engineering). The compiler is seeking relevant material published during 1982 for the next bibliography. Please send details about such material to the compiler, L.E. Carlson at Deakin University Library, Geelong, 3217, Australia.

Sanborn C. Brown Papers

Sanborn C. Brown, plasma physicist, professor emeritus of physics at M.I.T., and biographer of Count Rumford, gave his professional papers and two extensive collections of books and other historical material to Dartmouth College prior to his death in 1981. One collection concerns the history of plasma physics; the other consists of letters, documents, books and other memorabilia relating to Count Rumford and his contemporaries in scientific and political history. Available by arrangement. Contact Kenneth Cramer, Archivist, Special Collections, Dartmouth College Library, Hanover, NH 03755.

Michael Polanyi Lectures

Beginning in the fall of 1983, the University of North Carolina at Chapel Hill will hold every other year a public lecture, known as the Michael Polanyi Lecture, on the history and philosophy of science. The invited lecturer will spend a week visiting the campus as a guest of one of the departments in the University’s division of natural sciences. The first Polanyi Lecturer will be Freeman J. Dyson, whose talk will be on September 21, 1983. The host department will be the Department of Physics and Astronomy.

The Zeitlin-Ver Brugge Prize

The Zeitlin-Ver Brugge Prize is awarded to the author of the best article published in ISIS in the three years prior to the year of the award. The first award was made in 1979. By recommendation of the Zeitlin-Ver Brugge Prize Committee, $250 and a certificate is awarded to encourage the publication in ISIS of original research of the highest standard. This year the Committee consists of Robert Multhauf, Mark Adams, and Thomas Hankins, and the award will be presented at the Annual Meeting in Norwich, October 27-30, 1983.

Washington Library for HSS

The Secretary receives monthly newsletters including COSSA Washington Update and The National Humanities Alliance Memorandum which usually contain 7 to 10 double-sided pages. Anyone wishing to receive a copy of either or both newsletters, please send a long self-addressed and stamped envelope. These newsletters report congressional action on budget and other bills related to NSF, NEH and other projects of interest to historians. Pertinent bibliographies and references are provided along with an occasional copy of an article. For those wishing to keep abreast of the latest news on Federal support of the humanities and sciences, these newsletters provide short and accurate up-to-date information.

The Demarcation between Science and Pseudo-Science, pp. 200, edited by Rachel Lauden, is now available from the Center for the Study of Science in Society at Virginia
Tech. This is Volume 2 in the Center's series of Working Papers and contains papers presented by Larry Laudan, Andrew Lugg, Thomas Gieryn, Henry Bauer, I.J. Good, Seymour Mauskopf, Ron Westrum, and Rachel Laudan at a conference on demarcation held at Virginia Tech in 1982.

Please send a check for $4.00 made out to the Center for the Study of Science in Society, Price House, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061.

Conferences

October 28-30, 1983

Third Kingston Conference on the History of Canadian Science, Technology and Medicine will be held at the Donald Gordon Centre of Queen's University, Kingston, Ontario, on 28-30 October 1983. Sponsored by the Canadian Science and Technology Historical Association, the conference will include a dozen sessions along with work-in-progress forums devoted to social history of technology, women and technology, government and science, innovation and science policy, social history of medicine and museums. To obtain registration information and preliminary programme, write to Dr. A.W. Tickner, National Research Council, Ottawa, Ontario K1A OR6.

September 5-9, 1983

The First International Conference on Ethnoastronomy: Indigenous Astronomical and Cosmological Traditions of the World will be held at the Smithsonian Institution, Washington, D.C., September 5-9, 1983. Hosted by the National Air and Space Museum of the Smithsonian Institution and the Center for Archaeoastronomy of the University of Maryland, the conference is sponsored by these institutions and the Historical Astronomy Division of the American Astronomical Society. For the purposes of this meeting, Ethnoastronomy is defined as the study of folk or indigenous astronomies, calendars, celestial lore, sky mythology and related ritual, and cosmological concepts and traditions. Contact: Ethnoastronomy Conference, Center for Archaeoastronomy, University of Maryland, College Park, MD 20742.

November 12, 1983

The West Coast History of Science Society will meet November 12, 1983 at Oregon State University. The meeting will be held in conjunction with a fall celebration entitled "German Culture and Its Legacy in the United States." A session will be devoted to papers that deal with American-German scientific interaction, the German scientific legacy in the United States, or comparisons of the development of science in the two nations. Also a "Work-in-Progress" session is planned with papers not related to U.S.-German science. Inexpensive accommodations ($8/double, $11/person single) are available in addition to the motels in Corvallis. There may be financial support for those presenting papers treating the U.S.-German scientific interaction. Contact: Paul L. Farber, Dept. of General Science, Oregon State Univ., Corvallis, Oregon 97331.

If you want to be placed on the mailing list of the West Coast History of Science Society contact Dr. Bruce R. Wheaton, Office for History of Science and Technology, 470 Stephens Hall, University of California, Berkeley, CA 94720.

AAAS 1985 Meeting

Anyone wishing to organize or participate in a symposium at the Los Angeles meeting of the AAAS, May 23-28, 1985, in Section L (History and Philosophy of Science) should contact the secretary, David L. Hull, Department of Philosophy, University of Wisconsin-Milwaukee, Milwaukee, WI 53201. The deadline for applications is August 1, 1984.

Appointments

Richard M. Burian, currently at Drexel University has been named Head of the Dept. of Philosophy, with concurrent academic appointments as Professor of Philosophy and Adjunct Professor in the Center for the Study of Science in Society at Virginia Polytechnic Institute and State University, Blacksburg, Virginia.

Larry Laudan has been appointed Professor in the Center for the Study of Science in Society and Adjunct Professor in the Dept. of Philosophy of Virginia Polytechnic Institute and State University, Blacksburg, Virginia. Prof. Laudan was Chairman of the Dept. of History and Philosophy of Science at the University of Pittsburgh and Director of the Center for Philosophy of Science before coming to Virginia Tech as visiting professor in 1981.

Rachel Laudan has been appointed Associate Professor of Science and Technology Studies and History at Virginia Polytechnic Institute and State University, Blacksburg, Virginia. A historian of geology and technology, Laudan was Assistant Director of the Center for Philosophy of Science at the University of Pittsburgh.

Edward Rosen has been designated Distinguished Professor Emeritus of the History of Science by the City University of New York, Graduate Center.

Bruce Lewenstein has been appointed editorial assistant for Isis, the journal of the History of Science Society, as of 1 July 1983, when former assistant Jane Morley will become editorial coordinator.

Edward Grant has been named Distinguished Professor of History and Philosophy of Science at Indiana University, Bloomington, Indiana.

Fellowships

Woodrow Wilson Fellowships

The Woodrow Wilson International Center for Scholars, located in Washington, D.C., seeks from individuals throughout the world outstanding project proposals representing diverse scholarly interests. The Center welcomes all disciplines, and is hospitable to research which
funds outside one of its existing geographical or thematic categories. Scholarship undertaken at the Center transcends narrow specialties, and includes a strong humanistic component. The Center also encourages projects with theoretical, philosophical, or theological dimensions.

The Center's residential fellowships are awarded in one general program—History, Culture, and Society—and five more focused programs: American Society and Politics, the Kennan Institute for Advanced Russian Studies, the Latin American Program, the International Security Studies Program, and the East Asia Program.

For academic participants, eligibility is limited to the postdoctoral level; for participants from other backgrounds, equivalent maturity and professional achievement are expected. Fellows devote their full time to research and writing. The length of a fellowship can vary from four months to a year. Within certain limits, the Center seeks to enable each fellow to meet his or her earned income during the preceding year. Deadline for receipt of applications is October 1, with decisions by mid-February. Appointments cannot begin before the following September. For information and application materials contact The Wilson Center, Smithsonian Institution Building, Room 331, Washington D.C. 20560. Telephone: 202 357-2841.

Andrew W. Mellon Faculty Fellowships
Harvard University

For non-tenured, experienced junior scholars who have completed, at the time of appointment, at least two years postdoctoral teaching as college or university faculty in the humanities—usually as assistant professors. Ph.D. required and received prior to June 30, 1982.


Contact: Dr. Richard M. Hunt, Program Director, Harvard University Mellon Faculty Fellowships, Lamont Library 202, Cambridge, MA 02138.

National Humanities Center

The National Humanities Center is an institute for advanced study in history, literature, philosophy and other fields of the humanities. Each year at the Center approximately 40 Fellows pursue their own research and participate in interdisciplinary seminars, lectures, and conferences. Fellows of the Center have the use of private studies, conference rooms, and a dining area. The Center’s librarians deliver materials daily to Fellows from the libraries of Duke University, the Univ. of North Carolina at Chapel Hill, and North Carolina State University or from other institutions through interlibrary loan. The Center also provides free manuscript typing for its Fellows.

Fellowships are awarded on the basis of an open competition. The Center welcomes applications from scholars in the U.S. and abroad. In addition to scholars from fields traditionally associated with the humanities, representatives of the natural sciences, and the social sciences and professional life may apply for fellowships.

For the academic year 1984-85 fellowships are available for:

(1) Young scholars-Men and women near the beginning of their scholarly careers, normally three to ten years beyond the doctorate, are regarded as young scholars.

(2) Senior Fellows-Men and women more than ten years beyond the doctorate are regarded as Senior Fellows.

(3) Commerce and Culture-The Center has received special funding for five to seven scholars whose work illuminates the relations between the world of commerce and the pursuit of intellectual, artistic, or moral excellence.

Most fellowships are awarded for the academic year, though some for shorter periods are available. The amount of a fellowship stipend is based on a scholar’s usual academic salary; but since not all financial requests can be met in full, applicants are encouraged to arrange some measure of support. All Fellows are given travel expenses to and from the Center for themselves and their families.

The deadline for 1984-85 fellowship applications is December 10, 1983. All interested scholars may obtain information and application material from the National Humanities Center, 7 Alexander Drive, Research Triangle Park, North Carolina 27709.

Undated

The American Institute of Physics’ Center for the History of Physics announces a program of small GRANTS-IN-AID for research in the history of nineteenth and twentieth century physics and astronomy and their social interactions. Grants will be for a maximum of $1000 each and can be used only to reimburse direct expenses connected with research. Preference will be given to those who need part of the funds for travel to use the resources of the Center’s Niels Bohr Library in New York City, or to microfilm papers or conduct tape-recorded oral history interviews with a copy deposited in the Library; other projects will also be considered. Applicants should either be working toward a graduate degree in the history of science, or show a record of publication in the field. To apply, send a vitae and a letter of about two pages describing your research project and the expenses for which support is requested (we may then ask for further information and references). Send to Spencer Weart, Center for History of Physics, American Institute of Physics, 335 East 45 Street, New York, NY 10017.
1984 HSS Annual Meeting

Following this year's Norwalk, Connecticut meeting (October 27-30, 1983), the History of Science Society's next annual meeting will be in Chicago, Illinois on December 27-30, 1984. The HSS will meet jointly in Chicago with the American Historical Association. The 1984 meeting will mark the centennial of George Sarton's birth and the sixtieth anniversary of the founding of the HSS. It also will mark the 100th anniversary of the establishment of the AHA.

The AHA deadline for 1984 program proposals is October 15, 1983, some six months earlier than the tentative HSS 1984 deadline for program proposals of April 15, 1984. Those who are interested in proposing joint sessions with the AHA are urged to contact the 1984 HSS program co-chairs by September 15, 1983. The AHA is especially interested in sessions reviewing developments in major historical fields of scholarship during the past century. The 1984 AHA program chairman is Professor Warren Hollister, Department of History, University of California, Santa Barbara, CA 93106.

The 1984 History of Science Society program co-chairs are Professors David B. Kitts and Mary Jo Nye, Department of the History of Science, The University of Oklahoma, Norman, Oklahoma 73019. The general HSS call-for-papers will appear in the January 1984 issue of the HSS Newsletter. The co-chairs welcome early proposals or inquiries.

Pre-Registration for HSS Annual Meeting
Norwalk, 27-30 October 1983

Name ____________________________
Institutional Affiliation for Name Tag _______________________
Mailing Address ____________________________

Pre-registration Fees
Member or Program Participant Fee, $15 Amt.____
Senior/Student/Unemployed Fee, $10 Amt.____
Non-member, $20 Amt.____
Registration at Meeting $5 extra

Friday Evening Reception, October 27 (Cash bar)
Guest tickets, $5 ea. No._____ Amt.____

Isis Editorial Board Dinner, October 28 ($20.00)
No._____ Amt.____

HSS Banquet, October 29 ($20.00) No._____ Amt.____

Luncheon, October 29 (Complimentary)
Scientific Books and Instruments No._____ Yes._____
Science and Industry No._____ Yes._____

All checks should be made payable to REGISTRATION

Please send payment in U.S. funds to:
Section of History of Medicine
c/o F.L. Holmes
Yale University School of Medicine
New Haven, CT 06150

Check here if you will require child-care facilities □

Hotel Reservation Form

Name ____________________________
Address ____________________________
City ________________ State ________________ Zip.
Date arriving ________________ Hour ________________ a.m./p.m.
Date departing ________________ Hour ________________ a.m./p.m.

Please Reserve: Holiday Inn
Single(s) ________________ ea. $45
Double(s) ________________ ea. $45
Triples(s) ________________ ea. $50
Quad(s) ________________ ea. $56
Suites ________________ ea. $145

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

Reservations must be accompanied by a deposit for one night, refundable upon 48 hours notice prior to expected arrival. You will be booked at the lowest available rate. Please notify the hotel if you plan to arrive after 6:00 p.m. Above rates do not include local taxes. Please add 7.5% tax.

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(Specify Bankamericard or Visa)
Number ________________________
Exp. Date ________________________

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Fill out and return to:
Holiday Inn
789 Connecticut Ave.
Norwalk, CT 06854
Tel. (203) 853-3477
Other Hotels  
(which are not within walking distance)

1. Golden Crest Motor Inn  
596 Westport Ave. (U.S. Rt. 1)  
Norwalk, CT 06851  
Tel. (203) 847-3833  
Single Room $32 + tax  
Double Room $40 + tax

2. Silver Mine Tavern  
Purny Avenue  
Norwalk, CT 06850  
Tel. (203) 847-4558  
Single Room $39 + tax  
Double Room $45 + tax

3. Howard Johnson  
150 Ledge Road  
Darien, CT 06820  
Tel. (203) 655-3933  
Single Room $55  
Double Room $65

4. Roger Sherman Inn  
195 Denuke Ridge  
New Canaan, CT 06840  
Tel. (203) 964-5411  
Single Room $42  
Double Room $55

5. Stamford Motor Inn  
1209 E. Main St.  
Stamford, CT 06902  
Tel. (203) 325-2655  
Single Room $32.95 + tax  
Double Room $35.95 + tax

The University of Bridgeport is offering low-cost dormitory rooms plus bus transportation to the Burndy Library. The arrangements are not complete at this time. Those who are interested inquire at the: Burndy Library

Electra Square  
Norwalk, CT 06856  
Tel. (203) 838-4444

Annual Meeting

The annual meeting of the History of Science Society will take place in Norwalk, Connecticut 27-30 October 1983. Sessions will be held in the Burndy Library and in the Norwalk Holiday Inn. The meeting will begin on Thursday evening, 27 October with a reception and cash bar at the Holiday Inn, and will conclude Sunday, 30 October at noon.

This year's program reflects an attempt to provide a balanced selection of topics from the various chronological, chorographic, and conceptual aspects of the discipline. Four individual sessions devoted to the theme "Science and Industry" represent a detailed and extended exploration of this timely subject. Other sessions include three investigating national science, four examining the history of biology in the modern period, and numerous others cutting across traditional periodizations, geographical boundaries, and disciplines.

As is evident on the registration form the 1983 program includes a number of special events. Among these functions are luncheon meetings associated with the sessions on science and industry and on scientific books and instruments. The Society Lecture this year will be delivered by Richard S. Westfall of Indiana University.

THURSDAY, October 27
9:00 A.M.  HSS Executive Committee Meeting
3:00 P.M.  HSS Council Meeting
7:00-9:00 P.M.  Registration. Also Friday, 9:00-5:00 and Saturday, 9:00-12:00 Noon.
7:00-9:00 P.M.  Book Display
7:00-9:00 P.M.  Cash Bar

FRIDAY, October 28
7:30-8:45 A.M.  HSS Women's Committee Breakfast Meeting (Sponsored by Women's Committee of HSS. Those wishing to attend the meeting should contact Ruth Schwartz Cowan or Helena M. Pycior in advance or at the meeting.)
9:00 A.M.-5:00 P.M.  Book Display
9:00 A.M.-5:00 P.M.  Job Exchange

9:00 A.M.  Science & Industry: Resources and Research Agendas in 20th Century America  
Chair and Commentator: Arnold Thackray (Center for History of Chemistry)
Spencer R. Weart (Center for History of Physics): Obstacles to a History of Modern Industrial Physics
Arthur L. Norberg (Charles Babbage Institute): The Availability of Resources and Themes in the History of Computing
Charles Weiner (MIT): Genetic Engineering: The Risks and Benefits of Contemporary History

9:00 A.M.  Topics in the History of Physics I: The 1930s  
Chair: Edward M. Purcell (Harvard)
Roger Stuewer (Minnesota): Rutherford's Satellite Model of the Nucleus
9:00 A.M.  
**Science and Polity In 18th-Century France: A Forum**  
Chair: Harry W. Paul (Florida)  
Keith M. Baker (Chicago): Science and the State  
Jan Goldstein (Chicago): The Professions—Medicine  
John Weiss (Cornell): Applied Science—Industry and Engineering

9:00 A.M.  
**Patronage and the Rise of Modern Science**  
Chair and Commentator: Mordechai Feingold  
Richard S. Westfall (Indiana): Patronage and the Accademia dei Lincei  
Larry Stewart (Saskatchewan): Intellect and Industry: Science on the Eve of Industrialization  
Nicholas H. Steneck (Michigan): Is Contemporary Science Patronized?

9:00 A.M.  
**Science and Art: Historical Interconnections**  
Chair: Robert S. Root-Bernstein  
Duane Roller (Oklahoma): Fine Arts and the Philosophy of Science in the Renaissance  
Samuel Edgerton (Williams College): Technical Illustrations as Thought Experiment in the Renaissance Engineering Tradition  
Barbara Stafford (Chicago): Natural Hieroglyphics or the Characters on Stones: Enlightenment Transformations in the Languages of Matter  
Judith Wachaler (Rhode Island School of Design): The Science of Physiognomy and the Art of Caricature in 19th-Century France  
Commentator: Cyril Stanley Smith (MIT)

10:30 A.M.  
**History of Evolution**  
Chair: Eric L. Mills (Dalhousie)  
Joel D. Black: Cuvier and the Extinction of Species

12:00-1:30 P.M.  
**Luncheon Meeting: 20th-Century Physics** (Those wishing to attend the meeting should contact Peter Galison in advance or at the meeting.)

1:30 P.M.  
**Business Meeting**

2:30 P.M.  
**Science and Industry II: Polymers, Plastics, & Profits—Science & Invention in the Modern Chemical Industry**  
Chair: Robert Multhauf (Smithsonian)  
Jeffrey L. Sturchio (New Jersey Institute of Technology): Baked Between the Wars  
David A. Houk and John K. Smith (Delaware & Mills-Hagley Foundation): The Chemist and the Company: Wallace H. Carothers and DuPont  
Sheldon Hochheiser (Rohm and Haas Company): Cast Sheets, Cockpits, and Juke Boxes: The Development of Plexiglass in the United States  
Commentator: John A. Headman (Center for History of Chemistry)

2:30 P.M.  
**Topics in the History of Physics II: Recent Physics**  
Chair: Thomas S. Kuhn (MIT)  
S. S. Schweber (Brandeis): History of Quantum Electrodynamics  
Peter Galison (Stanford): Image and Logic: Two Traditions of Experimentation in High-Energy Physics  
Steven Weinberg (Texas): History of the Problem of Infinities

2:30 P.M.  
**Morality, Evolution, and the Social Sciences**  
Chair: David E. Leary (New Hampshire)  
William Woodward (New Hampshire): Why the German Human Sciences Did Not Need Darwin  
Robert J. Richards (Chicago): Spencer's Concept of Evolution as a Moral Force  
Henrika Kuklick (Pennsylvania): Professionalization of Science and the Moral Order  
Eliz Zaretsky (Wright Institute): "The Polish Peasant in Europe and America" in the History of American Social Science

John S. Rigden (Missouri-St. Louis): From Nuclear Moments to Radifrequency Spectroscopy  
Martin J. Klein (Yale): Some Quantum Mechanical Questions of the Early 1930s
2:30 P.M. Parallel to Darwin: Botanical and Zoological Group Studies, 1809-1859
Chair: Muriel Blaisdell (Miami of Ohio)
John Farley (Dalhousie): The Cryptogams: A Botanical Lumber-room
Paul Farber (Oregon State): Theories for the Birds
Commentator: Neal Gillespie (Georgia State)

2:30 P.M. That Uncertain Feeling: Medieval Thought About Scientific Truth
Chair and Commentator: A. Mark Smith (Riverside)
Nancy Siraisi (Hunter College and CUNY, Graduate School): Views on the Certitude of Medical Science among Late Medieval Medical Writers
William A. Wallace (Catholic University): Certitude of Science in Late Medieval and Renaissance Thought
Bert Hansen (Toronto): Styles of Explanation in the Writings of Nicole Oresme
Edward Grant (Indiana): Nicole Oresme’s Concept of Certitude in Science and Pseudo-Science

2:30 P.M. After Rossiter, What?: Biographical and Social Studies of Women Scientists (Co-sponsored by the Women’s Committee of the HSS)
Chair:
Sibylla Kennedy (SUNY-Stony Brook);
Dorothy Winch and the Rockefeller Foundation Grants
Alice M. Boring, an American Scientist in China
Marilyn Ogilvie (Oklahoma Baptist University)
Commentator: Ruth Schwartz Cowan (SUNY, Stony Brook)

3:45 P.M. Works in Progress II: Topics in American Science
Chair: Charlotte Porter (Florida)
Seymour S. Cohen (SUNY, Stony Brook): Faith and Reason: Joseph Priestley and Thomas Cooper in Pennsylvania
Gregg De Young (Stonehill College): The Storm Controversy and the Growth of American Science
Michael P. Klich (Oregon State): The Science of German-Americans, 1780-1800

8:00 P.M. History of Science in Undergraduate Education
Chair: Stanley Goldberg (Hampshire College)
David Goodstein (Cal Tech): Creating “The Mechanical Universe”

SATURDAY, October 29
9:00 A.M.-5:00 P.M. Book Display
9:00 A.M.-5:00 P.M. Job Exchange
9:00 A.M. Science and Industry III: Interactions Between Science, Engineering, and History
Chair: Bern Dibner
James Brittain (Georgia Institute of Technology): History of the Magnetron: 1916-1940
Arthur I. Miller (Lowell/Harvard): Mental Imagery and the R & D of a Unipolar Dynamo, ca. 1900
George Wise (General Electric): Research and Results at General Electric in the Post-War Period
Paul Hanle (National Air and Space Museum): The Development of a National Astronomer’s Facility in Space
Eda Fowlks Kranakis (Yale): The Interaction of Science and Engineering in France and the U.S., 19th Century: A Comparative View
Followed by luncheon meeting (see 12:00 Noon)

3:45 P.M. Science, Method, and Metaphysics: The Broader British Physics of the 19th Century
Chair and Commentator: Robert Butts (Western Ontario)
Gregory A. Good (West Virginia): Were John Herschel’s Optical Researches Guided by his Ideas on Method?
9:00 A.M. **Scientific Books and Instruments**

William B. Ashworth (Missouri-Kansas City): Recurring Images in Early Scientific Illustration

Owen Gingerich (Harvard-Smithsonian Center for Astrophysics): Astronomical Books with Moving Parts

Brief Illustrated Reports on Three Recent Museums

Gwen Bell (Marlborough, MA): The Computer Museum

Seth Atwood (Rockford, IL): The Time Museum

John Senior (Minneapolis, MN): The Bakken Museum

Derek J. de Solla Price (Yale): The Role of Instruments in Science and Technology

Followed by Luncheon Round Table (See 12:00 Noon)

9:00 A.M. **Institutional Development of the Physical Sciences in Imperial Germany**

Chair: John Servos (Amherst College)


David Cahan (Nebraska): The Rise of Physics Research Institutes

Commentator: R. Steven Turner (New Brunswick)

9:00 A.M. **Works in Progress III: Themes and Issues in the History of Astronomy**

Chair: Wilbur Applebaum (Illinois Institute of Technology)

Sydney Ross (Rensselaer): The Herschel Library

Michael J. Crowe (Notre Dame): Sending Signals to the Moon: Proposals of Causa(?) and Littrow(?)

Peggy Kitchell (Smithsonian): Cecilia Payne—Gaposchkin and the Beginning of Graduate Work at the Harvard College Observatory

Karl Hufbauer (Irvine): The Jeans-Eddington Dispute (1915-1932)


11:00 A.M. **Renaissance and Early Modern Science**

Chair: Robert A. Hatch (Florida)

Cynthia Munro Pyle (Texas): The Development of Method in Renaissance Natural History: MS Urb. Lat. 276

Peter Nicholls (Brock): William Welwyn: Radical Politics and Medicine in the 17th Century

11:00 A.M. **Jobs Beyond Academe: A Panel Discussion**

Diane A. Puklin (Connecticut Humanities Council): The Best of Both Possible Worlds: Gassendi’s Idea of Sentience in the 17th Century

12:00 Noon **Luncheon Round Table, Scientific Books and Instruments (Those wishing to attend the luncheon discussion should indicate in advance on the registration form).**

12:00 Noon **Luncheon Meeting: Science and Industry (Those wishing to attend the luncheon meeting should indicate in advance on the registration form).**

2:30 P.M. **20th-Century Embryology and Genetics**

Chair: Jane Maienschein (Arizona State)


Frederick Churchill (Indiana): Recapitulation, Germ-layers, and Heredity: A Nineteenth-Century Perspective

Jan Sapp (Montreal): The Nucleus-cytoplasmic Dilemma in Development, from the Decline of the Nuclear Theory of Inheritance to the Rise of Mendelism


2:30 P.M. **Science as a Research Problem: Collecting and Using Primary Sources**

Chair: Nathan Reingold (Smithsonian)

Clark A. Elliott (Harvard): Three Centuries of Documentation

Helen W.Slotkin (MIT): Documenting Contemporary Science: Selecting from the Post for the Future
2:30 P.M.  
**The Influence of the History of Science on Science**  
Chair: John E. Murdoch (Harvard)  
Joan L. Richards (Brown): Augustus De Morgan and 19th-Century History of Mathematics  
Erwin N. Hiebert (Harvard): Ernst Mach, Historian of Science

2:30 P.M.  
**The Relations Between the Exact and Natural Sciences and the Social Sciences**  
I. Bernard Cohen (Harvard): The Interactions between the Natural Sciences and the Social Sciences in Historical Perspective  
Ian Hacking (Toronto): Probability and the Social Sciences in the Nineteenth Century  
Norton M. Wise (UCLA): Physics and the Social Sciences  
William Coleman (Wisconsin): Biology and the Social Sciences

2:30 P.M.  
**History of Mathematics: Papers in Honor of Kenneth O. May (1915-1977) and in Celebration of the 10th Anniversary of Historia Mathematica**  
Chair: Joseph W. Dauben (CUNY, Lehman)  
J. L. Berggren (Simon Frazer): Issues in Modern Historiography of Ancient Greek Mathematics  
Bernard Goldstein (Pittsburgh): Medieval Descriptions of Computational Devices in Hebrew  
Michael Mahoney (Princeton): Changing Canons of Mathematical and Physical Intelligibility in the later 17th Century  
Helena M. Pycior (Wisconsin-Milwaukee): Internalism, Externalism, and Beyond: 19th-Century British Algebra  
Thomas Hawkins (Boston): Edward Study and the Leipzig School of Sophus Lie  
Judith Grabiner (California State, Dominguez Hills): Artificial Intelligence: Historical Ideas about its Uses and Abuses

5:30 P.M.  
**History of Science Society Lecture**  
Richard S. Westfall (Indiana)

6:30 P.M.  
**HSS Cocktail Party**

7:30-9:30 P.M.  
**History of Science Society Annual Banquet**

9:30-10:30 P.M.  
**Meeting with President Gerald Holton: A Workshop on the Fund Drive**

9:30 P.M.-12:00 Midnight  
**Graduate Student Party**

**SUNDAY, October 30**

9:00 A.M.  
**The Astronomical Revolution**  
Chair: David C. Lindberg (Wisconsin)  
Robert S. Westman (UCLA) and Owen Gingerich (Harvard/Smithsonian Center for Astrophysics): Paul Wittich and the Tycho Connection  
Albert Van Helden (Rice): How the Telescope Changed the Copernican Revolution  
Commentator: Edward Rosen (CUNY, Graduate Center)

9:00 A.M.  
**Charles Sanders Peirce**  
Chair: Michael Mahoney (Princeton)  
Max Fisch (Indiana): The History of Science as an Approach to the Logic of Science  
Carolyn Eisele (CUNY, Hunter College): Peirce and the American First Professional Historian of Science  
Keith L. Kneer (Texas Tech): Peirce and Early Logic Machines  
Joseph W. Dauben (CUNY, Lehman College): C. S. Peirce: The Logic of Continuity

9:00 A.M.  
**Experimentalism, Mathematics, and National Trends in Physical Chemistry CA. 1900**  
Chair and Commentator: Erwin N. Hiebert (Harvard)  
Mary Jo Nye (Oklahoma): The Emergence of Physical Chemistry in France: Rooult, Duhem, Perrin  

9:00 A.M.  
**Biological Thought and Society, 1630-1780: Matter, Activity, and Life**  
Chair and Commentator: Jacques Roger (Paris, I)  
James Bono (Harvard): William Harvey and Active Matter in the 17th Century  
B.J.T. Dobbs (Northwestern): “Fermentation Genitals”: Mechanical Philosophy Adopts an Ambiguous Concept  
John P. Wright (Windsor): Matter, Mind, and Active Principles in 18th-Century British Philosophy  
9:00 A.M.  
Panel: Goethe and the Sciences of Nature  
Moderator: Kenneth Caneva (North Carolina-Greensboro)
Dennis L. Sepper (Texas): Goethe Against Newton, On Saving the Phenomenon of Color
John F. Cornell (Georgia): Goethe's Classical Biology
Neil M. Ribe (Yale): Science and Symbol in Goethe's Geology

9:00 A.M.  
Works in Progress IV: Issues in the History of Physics  
Chair: Judith Goodstein (Cal Tech)
Naum Kipnis (Minnesota): The Reception of Fresnel's Principle of Interference by the Paris Academy of Sciences, 1816-1824
Thomas Archibald (Toronto): H. A. Lorentz and Action-at-a-Distance Electrodynamics

10:30 A.M.  
Science and the Social Context  
Chair: Arthur L. Donovan (Virginia Tech)
George Grinnel (McMaster): "Newton's 'Principia' as Whig Propaganda" Revisited
John A. Waring: Historical Origins of the Social Design of Science
Margaret W. Rossiter (NSF): Civil Rights and Science—the AAAS Meeting in Atlanta in 1955

10:30 A.M.  
History of Mathematics  
Chair: Edith Sylla (North Carolina State)
Samuel C. McLaughlin: Dimensions in Platonist and Aristotelian Thought
Erna Hillstein (CUNY, Graduate Center): L. Valentin Otho
Karen V.H. Parshall (Sweetbriar College): E. H. Moore and the Founding of a Mathematical Community in America, 1892-1900

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**Jobs Beyond Academe**

Plans are being laid for a panel discussion and job exchange at the annual meeting in Norwalk for historians of science who are interested in exploring careers in business and industry—either serving primarily as historians in these settings or using the skills of the historian and scientist on business problems.

Needed:  
1) Volunteers for the steering committee.
2) Leads to corporations in the New York-Connecticut area. The corporations will be asked to supply panelists, interviewers and/or recruiting information.
3) Prospective participants. Please send a current vita to Mary Ellen Bowden by September 1 (address below).


Organizer: Mary Ellen Bowden (Yale Ph.D., 1974; MBA, 1982), Executive Assistant to the President, Manhattanville College, Purchase, N.Y. 10577.
Work: 914-694-2200, X240; Home: 914-946-8083

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**Are You Interested in a Business Career?**

If you have a Ph.D. and belong to the Modern Language Association, the American Historical Association, the American Philosophical Association, or the Organization of American Historians, you are eligible to participate in CORPORATE CONNECTIONS, the new business division of the MLA's Job Information Service.

CORPORATE CONNECTIONS, with the help of staff from Scholars in Transition, assists subscribers in moving from the academy to business and offers access to job referrals. For information write or call:

CORPORATE CONNECTIONS  
Modern Language Association  
62 Fifth Avenue  
New York, NY 10011  
(212) 741-5598

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**Honors**

Harry Woolf was awarded an honorary Doctor of Laws degree by the Johns Hopkins University. He presented the Commencement address to the class of 1983.
Dissertations

Case Western Reserve University

Virginia P. Dawson, "The Animal Machine and the Problem of the Polyp in the Letters of Bonnet, Trembley and Réaumer"

The Johns Hopkins University


Education Committee Report

by Stephen G. Brush

The HSS Education Committee will sponsor a session on "Teaching History of Science through Undergraduate Survey Courses" at the annual meeting of the American Historical Association in San Francisco, 27-30 December 1983. The session will be chaired by Stanley Goldberg, Hampshire College, who is the current chairman of the Education Committee, and will include the following papers: "Infiltrating History: Teaching History of Science to History Students" by Elizabeth Garber, State University of New York at Stony Brook; "Down the Up Escalator: History of Science and Technology in the World History Curriculum" by Lloyd Swenson, University of Houston and "History and History of Science at Cornell University" by L. Pearce Williams, Cornell University. Commentators will be Kathryn Olesko, Georgetown University and Richard Olson, Harvey Mudd College. For details of time and place consult any member of the American Historical Association.

Committee on Research and the Profession

With President Holton's strong encouragement, the Committee on Research and the Profession is this summer designing an HSS internship/postdoctoral fellowship program that might attract corporate/foundation support and that would assist historians of science in search of related marketable job skills or a career change. The gist of the plan is at present: 1) money is found to support or subsidize 2-6 historians of science (members of HSS?) for a year ($15,000-20,000 each); 2) employers (also preferably in HSS?) are found who would use the money effectively; 4) some HSS group administers the whole efficiently and harmoniously. It is presumed that there should be some visible product of the intern's year (as a finding aid, an exhibit, or report), some written guarantee of the training to be provided, and perhaps some discussion of future prospects for employment, but otherwise there should be as few restrictions as possible at the start when it is not clear just who would be interested in participating. Interested persons would contact the Committee's chair Margaret W. Rossiter (at NSF-SES-HPS, Washington, D.C. 20550 or 202-357-9677 until August 15, 1983 and 2410 Oak St., Berkeley, CA 94708 thereafter).

ACLS Travel Grant Deadlines

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Application forms may be obtained by writing to the American Council of Learned Societies (Travel Grant Office), 228 E. 45th St., New York, NY 10017.

Positions Available

The Laser History Project, Woburn, Massachusetts

Description: Contract historian to the Laser History Project for one year beginning in September 1983. The position is contingent upon obtaining a Department of Defense grant. The salary and fringe benefits are included in the $25,000 contract. The duties include to identify collections of unpublished materials of historical importance within the development of masers/lasers (1) within DoD archives and (2) in the archives of military contractors, to conduct interviews with pioneers in laser R&D and collaborate with DoD security officers in the preparation of descriptions of archival materials, and historical summaries of military laser R&D, suitable for deposit in open libraries. Requirements are a PhD in the history of the recent physical sciences, or history of recent technology, or equivalent preparation. Since the time is short, preference will go to an historian who is already cleared, or who can be cleared rapidly.

Contact: Joan Bromberg, Director, Laser History Project, 25 Stoddard Street, Woburn, MA 01801.

Department of History and Philosophy, University of Pittsburgh, Pittsburgh Pennsylvania

Description: Starting fall, 1983 or 1984, tenure track; rank open; area of research: open. Teaching responsibilities: two courses per term; graduate and undergraduate; thesis
supervision; salary according to qualifications. Applications at junior level should include samples of written work which will not be returned.

Contact: Prof. Peter Machamer, Dept. of History and Philosophy of Science, 1017 Cathedral of Learning, Univ. of Pittsburgh, Pittsburgh, PA 15260.

Department of History and Philosophy of Science, University of California, Davis

Description: Permanent tenure-track position in the history and philosophy of science. The appointee will be responsible for teaching a general upper division course in the history of science and must be competent to teach courses in the philosophy of the physical sciences or the philosophy of the biological sciences. Area of specialization open. Rank: open. We will recruit at all levels. Ph.D. required. Evidence of good teaching and scholarly research required.

Contact: Send complete dossiers and supporting letters to W. H. Bossart, Chair, Committee on the History and Philosophy of Science, Dept. of Philosophy, University of California, Davis, CA 95616. Closing date: November 1, 1983.

The National Air and Space Museum

Smithsonian Institution, Washington, D.C.

Description: The National Air and Space Museum of the Smithsonian Institution is launching a search for an Associate Director for Research to take charge of the research activities of the museum. The individual will be responsible for maintaining existing programs and inaugurating new ventures in the areas of public education, publications, fellowship activities, archives management and liaison with other Smithsonian bureaus and with universities as regards scholarly research in the history of aerospace science and technology. In addition, the Associate Director will be responsible for the research activities of the museum’s Center for Earth and Planetary Studies. The new position is being advertised at the GM-15 level, with a starting salary of approximately $48,500. The incumbent will be chosen on the basis of his/her scholarly attainments and administrative experience.


Museum Curator of Manned Space Flight

National Museum of Air and Space, Washington, D.C.

Description: The National Air and Space Museum is seeking a senior curator to oversee the research, collections management, exhibits, and public service activities of the Museum in the area of manned space flight. The work entails maintaining, studying, and exhibiting a collection of artifacts and documents in the history of manned space flight and supervising the work of several curators and assistants in the manned space section of the space department. The successful candidate will have substantial knowledge of, or experience in, manned space programs and have a demonstrated command of their history. An advanced degree in a relevant field such as history of technology or engineering is desirable. Salary is GM-13, $34,930-$45,406, depending on qualifications. This is a three year term appointment with conversion to career status likely.

Contact: Send Federal SF-171, three letters of recommendation, and cover letter by July 22 to: MPA 83-272-F, Smithsonian Institution, Office of Personnel Administration, 900 Jefferson Drive, S.W., Room 1410, Washington, D.C. 20560.

Research Historian

Fraunces Tavern Museum, New York, New York

Description: Special project on the history of public health in early America to culminate in a public exhibition and scholarly publication. Strong research and writing skills, working knowledge of archival and artifactual collections, and ability to travel are required. Advanced studies in American history, history of medicine, public health, or technology; Ph.D. preferred. Competitive salary. Position available for 12-18 months commencing September 1983 (dependent upon grant funding).

Contact: Submit with letter of interest, resume, references, and any relevant reprints to Curator of Collections, Fraunces Tavern Museum, 54 Pearl Street, New York, New York 10004.

Books Received by ISIS: March — May 1983


Svetlana Alpers. The Art of Describing: Dutch Art in the Seventeenth Century. xxvi + 273 pp., illus., bibl., index. Chicago/London: University of Chicago Press, 1983. $37.50.


J. A. Bennett. The Mathematical Knowledge of Christopher Wren. ix + 148 pp., illus., bibl., index. Cambridge/London/New York: Cambridge University Press, 1983. $29.95.

Klaas van Berkel. Isaac Beekman (1588-1637) En De Mechanisering Van Het Wereldebeeld. (Nieuwe Nederlandse Bijdragen tot de Geschiedenis der Geneeskunde en der Naturwetenschappen, 9.) 344 pp., illus., bibl., index, summary in English. Amsterdam: Rodopi, 1983. Hfl 50 (paper).

Michael Boyle. Method and Practice in Aristotle's Biology. vii + 291 pp., figs., apps., bibl., indexes. Washington, D.C.: University Press of America, 1983. $22.50 (cloth); $11.75 (paper).
Engelbert Broda. Ludwig Boltzmann: Man - Physicist - Philosopher. Translated by Engelbert Broda and Larry Gey. Preface by Harold Morowitz. viii + 169 pp., illus., bibl., indexes. Woodbridge, CT: Ox Bow Press, 1983. $22.50.

Janet Browne. The Secular Ark: Studies in the History of Biogeography. x + 272 pp., illus., bibl., index. New Haven, CT: Yale University Press, 1983. $27.50.

A. Brunot and R. Coquand. Le Corps Des Ponte et Chaussées. (Histoire de l'Administration Français.) xix + 915 pp., illus., app., bibl., index. Paris: Editions du Centre National de la Recherche Scientifique, 1982. (cloth).

Leopoldo M. A. Caltani and Lazzaro Spallanzani. Carteggio (1768-1798). Edited with an introduction by Giuseppe Ongaro. Foreword by Riccardo Milani. (Fonti e studi per la storia dell'Université di Pavia, 4.) 419 pp., illus., bibl., index. Milan: Istituto Editoriale Cismalpino - La Goliardica, 1982. L 25,000 (paper).


Mimira Usher Chrisman. Lay Culture, Learned Culture: Books and Social Change in Strasbourg, 1480-1599. xxx + 401 pp., illus., app., bibl., index. New Haven, CT/London: Yale University Press, 1982.


Carolyn Delatte. Lucy Audubon: A Biography. (Southern Biography Series.) xix + 248 pp., illus., bibl., index. Baton Rouge, LA: Louisiana State University Press, 1983. $15.95.


Paul Fejerabend. Science in a Free Society. 221 pp., index. London: Verso Editions/NLB, 1982. $16 (cloth); $7.50 (paper). (Originally published in 1978 by NLB, London.)


Derek Freeman. Margaret Mead and Samoa: The Making and Unmaking of an Anthropological Myth. xvii + 379 pp., illus., bibl., index. Cambridge, MA/London: Harvard University Press, 1983. $20.

Robert S. Gottlieb. Natural Human Disaster in Medieval Europe. 25,000 cols., index. New Raven, CT: Yale University Press, 1983. $15.95.

Sandra Harding and Merril B. Hintikka (Editors). Discovering Reality: Feminist Perspectives on Epistemology, Metaphysics, Methodology, and Philosophy of Science. (Synthese Library, 161.) xix + 332 pp., bibls., index. Dordrecht/Boston/London: D. Reidel, 1983. £54.50 (cloth); Dfl 65/526 (paper). (Distributed in the U.S. and Canada by Kluwer Academic Publishers Group, Boston.)


A. G. E. Jones. Antarctica Observed: Who Discovered the Antarctic Continent? Foreword by L. Harrison Matthews. 118 pp., illus., app., index. Whitby, York., UK: Caedemon of Whitby, 1982. £7.95 (cloth).

Evelyn Fox Keller. A Feeling for the Organ-
ism: The Life and Work of Barbara McClintock. xix + 235 pp., illus., app., bibl., index. San Francisco: W. H. Freeman, 1983. $17.95.


Trevor H. Levere (Editor). Editing Texts in the History of Science and Medicine. (Based on papers from the seventeenth annual conference on Editorial Problems, University of Toronto, 6-7 November, 1981.) 190 pp., illus., app., bibl., index. New York/London: Garland Publishing, 1982. $17.


John Hammond Moore. Willy: One Hundred and Seventy Five Years of Publishing. Edited by A. Wayne Anderson. Preface by W. Bradford Wiley and Andrew H. Neilly, Jr. 279 pp., illus., bibl., index. New York/Chichester/Brisbane: John Wiley and Sons, 1982.


George D. Romanos. Quine and Analytic Philosophy. Foreword by W. V. Quine. (A Bradford Book.) xvi + 227 pp., bibl., index. Cambridge, MA/London: The MIT Press, 1983. $17 (cloth); $7.50 (paper).


Jean Rosmorrec. La Polarisation Rotatoire Naturelle, et la Structure de la Lumière a celle des Molécules. 317 pp., illus., bibl., index. Brest, France: Université de Bretagne Occidentale, Brest, 1983. Ffr 150 (paper). (Distributed by Albert Blanchard, Paris.)


Storia Della Fisiica: Un contributo per l'insenamento della fisica. Edited by Fabio Bevilacqua. (Cisem - Centro per l'innovazione el le sperimentazione educativa Milanese/Quadrani, 3.) 261 pp., illus., bibl. Milan: Franco Angeli Editore, 1983. L 16,000 (paper).


Views from the Executive Council

From the President

Several years ago our annual Council and Business meetings, special sessions convened to debate our future, and conversations in the corridors, all echoed a sense of crisis. Young scholars in our field faced bleak career prospects and demanded that the Society do something about it. Others pressed on the Society visions of an enlarged role in our professional lives and in our concerns with broader social issues. Committees produced searching reports and bold recommendations. In the turmoil of those confrontations we found ourselves unable to translate concern into effective action, and we had recourse to what all prudent organizations do under such circumstances—we appointed a Long-Range Planning Committee.

That Committee too required several rounds of internal discussion and reports to Council before it could sort out, from the welter of worthy goals advocated, those which they regarded as most pressing and which a small, financially restricted Society could attain. To the members who participated in those deliberations it gradually became evident that the Society could not reach any of the broader objectives until it has learned how to organize itself more effectively to implement any choices it might make; or even to make such choices both thoughtfully and collegially.

In those years I became Vice-President of the Society, a position which is rather uncomfortable, not so much because the Vice-President has no clear function, as because he or she has a good vantage point to realize that the President has much to do and too little time to do it in. I don’t mean too little time in the sense of too many chores to take care of from day-to-day, but that his tenure is brief in relation to the pace of Society affairs. He presides over just two Council meetings and two Business meetings. The first of each of these meetings are his inaugural meetings, the next set are his farewell ones. To make progress on any issues which requires the assent of the governing bodies of the Society therefore, he has only two moves available. During my superficially slack period as Vice-President it dawned on me that what the Vice-President must be doing is planning out his future two moves. I realized that if I tried to address myself to all of the important issues that face us as a Society, my two moves would suffice merely to provide a progress report to my successor, but that if I focused on one pressing issue it might just be possible to resolve it. Meanwhile the Long-Range Planning Committee, under the effective guidance first of Polly Winsor, then of Arthur Norberg, was working out a very thoughtful plan for action. Their reports recognized many broad areas of concern for our future, but they also finally placed first priority on a reorganization to enable the Society to function more efficiently and with more foresight.

I decided to use my remaining time as Vice-President to lay groundwork which would enable me to use my two presidential moves to put into effect the organizational recommendations the Long-Range Planning Committee had by then reached. As most of you know, it turned out that the Long-Range Planning Committee had done its work so well, the final recommendations for organizational reform that Arthur Norberg drew up were so persuasive, that to obtain the approval of Council used up only one move. We have had the past year left over to begin testing out the new organizational structures. The new standing committees are off to a vigorous start, and have already produced some policy recommendations that I believe will significantly improve the conduct of our Society affairs. The Executive Committee has held two mid-year meetings, and we are convinced that these opportunities to discuss our business at greater leisure, to plan together more fully, is already enhancing the capacity of the officers of the Society to lead it effectively. The Council meeting held in Philadelphia has already demonstrated the value of the plan which places each member of the Council on one of the standing committees. Instead of coming in cold once a year to assess a great mass of committee reports in an annual marathon, each Council member has concerned him or herself throughout the year with one or another of the central areas of concern of the Society.

I am very gratified at the cooperative efforts so many members of our Society have made to formulate and implement these changes, and I am confident that they will enable us to meet our future responsibilities more effectively than we otherwise could have done. Our incoming President, Gerald Holton, has planned his two moves very carefully. He has taken upon himself the enormous task of providing a new financial foundation for the Society by embarking on the most ambitious fund-drive ever conceived within this organization. I hope that the organizational framework we pass on to him will function well both to aid him in his quest, and to make wise use of whatever new resources this campaign can bestow on us.

All of these developments are constructing a Society better equipped to progress toward its objectives. None of them, however, answers the soul-searching questions voiced so insistently five or six years ago. Are our meetings calmer now because we have resolved the issues which confronted us then, or because we have turned away from them? Are our conversations more tranquil now because the crises which threatened us then have disappeared, or because those people who were most directly threatened have not survived professionally to be with us? We are, I believe, no surer now than we were then, of who we are and what are our objectives. Do we represent only those of our membership who have become, or seek to become, productive scholars, or do we have a responsibility to those who teach our subject at all levels—or even to those whom we
have trained but who have been forced into employment outside our usual academic niches? Some of us regard the primary purpose of our Society as the publication of ISIS, others view it as meeting the professional needs of our members in a broader, more diffuse sense. Our annual bills come with the statement “annual dues and subscription to ISIS,” a juxtaposition which deliberately merges two distinct purposes for the payment. Some of us believe that in paying that bill we are primarily subscribing to ISIS, and that membership in the Society is a subsidiary bonus. Others believe that we are joining a Society which sends its members a publication as one of the benefits of belonging. We have rejected suggestions that we test these assumptions by separating professional membership from the subscription, choosing instead to live with ambiguity. That ambiguity, however, imposes on us a continuous need to mediate between competing priorities. A substantial portion of our income derives from institutional subscriptions to our journal—a source we seek to exploit to the maximum degree we can by charging them more than we charge ourselves. Are these institutions to be treated as merely means to our ends, or do they deserve a voice in our deliberations proportional to their contribution to our financial solvency? How deep is our responsibility to try to improve the job prospects for our own members? How far should we extend our resources and our time to defend what we regard as our fair share of Federal support for research in the History of Science? What role can we and should we take in making the insights we reach in our scholarship and teaching available at a more popular level to the general public?

All these are questions which we have often debated, but have not yet answered. Now that we have an organization more capable of making well-considered decisions on complex issues, it is time once again to face them. These are not matters to be left to the Executive Committee alone, nor to the new standing committees, nor even to the Council. None of these have in themselves broad enough vision to determine on their own what directions the Society should take. Only if you as members press upon the officers and the members of Council your concerns and your interests, if you vote in large numbers in our annual elections, if you participate as fully as you can in those aspects of our Society’s business which mean most to you, can the History of Science Society fulfill the hopes of its founders and their successors.

F. L. Holmes

From the Secretary

The wide range of activities carried out by the Secretary of HSS enables her to be informed on many matters raised by Society members in various contexts. One of the most enlightening experiences is membership in the Conference of Secretaries of the American Council of Learned Societies (ACLS). The conference meets semi-annually for periods of 2-2½ days. The Secretaries from 43 constituent societies discuss such topics as fellowship programs, regional chapters of societies, promotional campaigns, local arrangements committees, elections, approaches to managing archives, the role of learned societies in secondary education, unaffiliated and redirected scholars and lobbying for governmental support. In these sessions and in correspondence with individual members of the Conference, the Secretary is in a position to acquire the sense of societal activities carried out by a broad range of American scholars and to bring back information to the other officers and Council.

Word processors are transforming the management of society records and correspondence and when employed make it possible for members to have ready access to information regarding fellowships, jobs, lectures, symposia and all the other news published in the Newsletter every three months. Some of the large societies (more than 5000 individual members) are using computers and word processors to carry out all their functions: printing of the newsletter and journal, billing correspondence, etc. Among the largest ACLS constituent societies are: American Economic Association: 19,000 members, American Historical Association: 15,000 members, American Political Science Association: 10,000 members, American Psychological Association: 50,000 members, Modern Language Association: 28,000 members, and the Organization of American Historians: 9,000 members. The Society with the smallest membership is the American Society for Theatre Research which has 540 members.

Among the approximately half million members of all ACLS societies the humanities and social sciences are studied and advanced. These individuals, some of whom belong to more than one of these societies, should be aware of each other’s research goals, courses taught and student reactions, institutional policies, and a number of other views and programs. The computer technology may assist in keeping members of Learned Societies in touch and furthering the dissemination of useful and productive ideas, as well as the avenues of research which may prove provocative and essential to reach a new insight.

The information received almost daily by the Secretary which includes newsletters, journals, meeting related data and numerous advertisements may also be of use to other members of HSS. Those who are curious or feel that the Secretary could supply an answer to a question raised should contact the Secretary whenever necessary.

Women’s History Week
by The Committee on Women

At its meeting in Philadelphia the History of Science Society Council approved the following resolution:

"The History of Science Society endorses ‘Women’s History Week,’ 6-13 March, 1983, as discussed in joint resolution of Congress #215. The Society will take steps to publicize that endorsement and to correlate material that will assist its members in celebrating that work in an appropriate way." To this end the Women’s Committee, after consultation with the Committee on Education, is taking steps to publicize this event among HSS members, other historians of science, and historically minded
Suggestions as to suitable ways to celebrate that week are: lectures or discussions of women scientists in regularly scheduled classes; additional events elsewhere on campus such as public lectures, symposia, conferences, displays, or exhibits; off campus events such as museum or library exhibits, medical broadcasts, or newspaper articles. Since most celebrations, especially local or campus oriented ones, are likely to stress women's more traditional roles, along the lines of the Congressional resolution, and omit women scientists altogether, historians of science should take some initiative to ensure that these women are included.

As preparation, and in hopes that historians of science can try not only to broaden the coverage of science, technology and medicine, but also to introduce some rigor and understanding into such publicity and celebrations, the women's committee suggests these recent publications by HSS members:


**Committee on Programs and Annual Meetings**

by Phillip Sloan, Chairman

As a newly-constituted standing committee of the Society, the Committee on Programs and Annual Meetings carried out as its initial task the preparation of a constituting document to define the Committee's responsibilities and composition. It then turned to carrying out the charge given it at the 1981 meeting to prepare a major report on annual meetings. This was to recommend guidelines to the Society for annual meetings in the future, and was particularly to address the conclusions of the Society on the participation in large joint and intersociety meetings.

To determine Society sentiment on these issues, a questionnaire was mailed to the membership in July of 1982 which formed the data-base for reflections of the Committee. In its report, the Committee addressed the issues of meeting location, meeting expense, refereeing policies, meeting format, and the new issues raised by the intersociety meetings of the Toronto-Philadelphia variety. This report, with a set of specific recommendations, was presented and accepted by the meeting of the Council at the October meeting.

The general conclusions of this report can be summarized under the following four points: (1) there is no evident Society interest in altering the current meeting format and enacting refereeing policies, (2) there is a strongly favorable sentiment in favor of the large joint meetings, but only in so far as they are able to guarantee Society autonomy, and do not exclude regular single-society meetings or joint meetings with other affiliated societies. The Committee has thereby recommended that the large inter-society meetings be held no more often than every four years, (3) joint meetings with the AHA are still desired by the majority of the Society, but the Committee has recommended that this be done on a more flexible basis than the current biennial pattern, (4) meeting location and scheduling will be planned sufficiently far in advance to insure some measure of geographical fairness, and will be done with sufficient consideration of rising travel and meeting costs.

During the coming year, the Committee will draw up a more specific set of guidelines to assist the Program Chairs and the Local Arrangements Committees in planning the annual meeting.
Report of the Committee on Research and the Profession

by Richard S. Westfall

The HSS Committee on Research and the Profession has obtained information on alternative employment of forty-nine Ph.D.'s in the history of science who are not employed as academic historians of science.

Thirty-three of the forty-nine hold positions for which the degree appears to be, at least to some degree, relevant:

- Museum curators or administrators: 8
- Librarians and archivists: 8
- Research associates: 4
- Editorial workers concerned with science or the history of science: 3
- Historians of endeavors related to science with the federal government: 3
- Administrators with NSF: 2
- Academic administrators: 2
- Employees of quasi-academic institutions: 2
- Attache for science and technology with Foreign Service: 1

Sixteen of the forty-nine hold the following positions not manifestly related to their degrees:

- More lucrative alternatives: 8
- Accountant: 1
- Computer expert: 1
- Engineer: 1
- Executive in private industry: 1
- Manager of retail store: 1
- Physician: 1
- Stockbrokers: 2
- Unemployed housewives: 3
- Other federal employment: 2
- Secondary level teachers: 2
- Social worker: 1

Report of the Committee on Honors and Prizes

by Edith Sylla, Chairman

The Committee on Honors and Prizes is charged to "appoint, oversee the efforts of, and approve the recommendations of sub-committees charged with selection of winners of the annual Pfizer, Schuman, and Isis prizes." In addition, the Executive Committee is charged to choose the Sarton medalist and lecturer "from nominations made by the Committee on Honors and Prizes and members at large." The members of the 1982 committee were Lorraine Daston, Betty Jo Dobbs, Will Provine, and Edith Sylla, chair. The subcommittees were: Pfizer Award: Arthur Donovan, Jane Oppenheimer, and Nathan Sivin, chair; Zeitlin-Ver Brugge Prize: Will Provine, Brigitte Schroeder-Gudehus, and Bob Multhauf, chair; Schuman Prize: Jack Lesch, Jeff Sturchio, and Kathryn Olesko, chair. These committees had to operate on the short schedule that occurs whenever an October meeting of the Society follows directly after a December meeting. In all three cases at least one committee member had been part of the process of choosing that prize before and thus was able to provide the benefit of previous experience. The committee structure for choosing the Zeitlin-Ver Brugge Prize was, however, new, since previously the winner of that prize had been chosen by the Committee on Isis. The Pfizer Award committee had the newly increased responsibility of choosing a winner from the two previous years, the eligibility for this prize having been expanded to the two previous years for the 1982 prize. I am grateful to the people who served on these committees for their willingness to take on the responsibility and hard work involved and for their promptness and efficiency in accomplishing it. The Committee on Honors and Prizes did not make any recommendations concerning the Sarton medalist and lecturer for 1982, leaving this task to the Executive Committee.

At the Philadelphia meeting in October Gerald Geison and Daniel Siegel were added to the Committee on Honors and Prizes as Council and Non-Council members respectively. In addition the committee was charged by the Executive Committee or the Council with the following investigations:

1. To consider in general the operation of the Pfizer awards process in the past, in particular to see whether especially outstanding books may have been skipped over in previous years either because by happenstance they were published in a year when the competition was unusually tough or because their reputations only grew over time, or for some other reason. The extension of eligibility for the prize to three years may help to smooth out the bunching of outstanding books in a single year, but it may also make desirable some changes in the mode of operation of the committee as the number of potentially eligible books is essentially tripled. The Committee on Honors and Prizes is to consider ways in which Pfizer committees might seek out advice or reviews concerning books that fall outside their areas of expertise and that have made it to a short list of finalists.

2. To study the experience of recent Schuman Prize committees particularly with regard to the number and quality of essays submitted and to make recommendations concerning the future of the prize. There are also suggestions from the 1982 Schuman Prize committee that need consideration. In 1983 the essays are to be submitted to the Chair of the Committee on Honors and Prizes, so that none of the members of the Schuman Prize Committee will know the authors' identities.

3. To work out the details of a proposed new prize, recommended by the Committee on Undergraduate Education and approved by the Council in principle contingent on finding a source of new funds, for a book "suitable for teaching the history of science and/or promoting public understanding of the subject."

4. To consider a proposal by Gerald Holton that the HSS establish a distinguished service award for service to the HSS.
Appointments

GEORGE B. KAUFFMAN, Prof. of Chemistry at the California State University, Fresno has been appointed to the Board of Editors of Polyhedron: The International Journal for Inorganic and Organometallic Chemistry. The Editor-in-Chief is Sir Geoffrey Wilkinson, F.R.S. and winner of the 1973 Nobel Prize in Chemistry. Dr. Kauffman will be editor of a quarterly feature entitled "Historical Sketches," which will consist of articles written by himself and invited world authorities.

JEFFREY L. STURCHIO, Assistant Professor of History in the Department of Humanities at New Jersey Institute of Technology, has joined the staff of the Thomas A. Edison Papers at Rutgers University as visiting Assistant Editor and visiting Assistant Professor in the Department of History. TOBY A. APPEL, formerly an editor with the Charles Willson Peale Papers and ANDRE MILLARD, who recently received his doctorate from Emory University were appointed Assistant Editors earlier in the year.

JACK K. MARTIN has been appointed Assistant Professor of Sociology in the Department of Social Sciences and the Program in Science, Technology and Society at the Michigan Technological University. Over the past several years, Martin has been investigating aspects of occupations and organizations that influence innovation, job satisfaction, and job-related hazards. Prior to joining the faculty at Michigan Tech, Martin taught for two years as a Visiting Assistant Professor in the Department of Sociology at the Pennsylvania State University, having completed his dissertation research in 1980 at the University of Utah. Martin's appointment is the fifth in the Program since 1980.

MARGARET W. ROSSITER will be replacing RONALD J. OVERMANN as Program Director of the History and Philosophy of Science Program at the National Science Foundation until summer 1983. RONALD OVERMANN has been awarded an American Political Science Association Congressional Fellowship to work on Capitol Hill for nine months.

Awards

The Award Committee of the Lawrence Memorial Fund is pleased to announce that JANET R. SULLIVAN of the University of Oklahoma was selected to receive the 1982 Lawrence Memorial Award. A student of Dr. James R. Estes, Ms. Sullivan is investigating the taxonomy, ecology and evolution of the genus Physalis (Solanaceae). She will use the proceeds of the Award to travel to the southeastern United States and the Gulf Coast for field studies.

The Lawrence Memorial Fund has been established at the Hunt Institute for Botanical Documentation, Carnegie-Mellon Univ. to commemorate the life and achievements of its founding director, Dr. George H. M. Lawrence. Proceeds from the Fund are used to make annual awards of $1,000 to outstanding doctoral candidates for travel in support of dissertation research in systematic botany or horticulture, or the history of the plant sciences. Constituted initially by contributions from the Lawrence family and The Hunt Foundation, the Fund has been augmented by donations from many of Dr. Lawrence's friends and colleagues. Additional contributions are welcomed.

Nominations for the 1983 Award are requested. Major professors are urged to submit letters in behalf of outstanding doctoral students who have achieved official candidacy for their degrees, will be conducting dissertation research in relevant fields, and whose work would benefit significantly from the travel enabled by the Award. The Committee will consider nominations only—no direct applications will be reviewed. Deadline for nominations is May 1, 1983. Letters of nomination and supporting materials should be addressed to Dr. R. W. Kiger, Hunt Institute, Carnegie-Mellon Univ., Pittsburgh 15213.

DESIDERIO PAPP has been designated Commander of the Order "Bernardo O'Higgins", a distinction Chile grants to a foreigner. The University of Chile presented Dr. Papp with its Gold Medal. The National Academy of Medicine of Argentina elected Dr. Papp Honorary Foreign Member, the sixth Academy to so honor Dr. Papp.
Leonard Reich, Assistant Director of the Thomas A. Edison Papers and Assistant Professor in the Department of History at Rutgers University has been awarded the 1982-83 Harvard-Newcomen Fellowship in Business History at the Harvard Business School. Prof. Reich will spend the fellowship year completing a study of the establishment of industrial research laboratories at General Electric and AT&T.

Newly Elected

Gerald Holton
President-Elect

Thomas Hankins
Nominating Committee

Arthur Donovan
Nominating Committee

Richard S. Westfall
Nominating Committee

Education Committee: Annual Report, 1982
by Stanley Goldberg

The Education Committee was established in the new plan of organization of the Society in 1981, to replace the former Committee on Undergraduate Education. Stephen G. Brush (University of Maryland, College Park) continued as chairman through 1982; Stanley Goldberg (Hampshire College) was appointed chairman beginning in January 1983.

For the last several years the Committee sponsored a session on teaching at the HSS Annual Meeting. Papers presented at the 1980 session, A Symposium on the use of History in the Social Science Curriculum, were published in the July 1982 issue of the Journal of the History of the Behavioral Sciences. Short versions of the papers presented at the 1981 session, on History of Science in the New Liberal Arts Curricula, were published in the June 1982 issue of Science, Technology & Society, the Curriculum Newsletter of the Lehigh University STS Program. [The same issue of STS includes a course syllabus for an introduction to the history and philosophy of science by J. L. Sturchio and a bibliographic guide to history of science by C. M. Roysdon; copies of this issue are available for $1 each]
from Dr. S. Cutcliffe, 327 Maginnes Hall #9, Lehigh University, Bethlehem, PA 18015.

At the October 1982 meeting of the HSS Council, the Committee revived its long-standing proposal for an annual prize for a book suitable for teaching the history of science and/or promoting public understanding of the subject. The Council voted to approve the proposal in principle, and referred it to the Committee on Prizes and Honors for implementation. Funds for the prize would not come from the operating budget of HSS but would be sought from an outside donor.

Request for Information about Courses
As preparation for a forthcoming article on teaching the history of science, the Education Committee wants to compile a list of courses currently offered in high schools and colleges. Information about books used and approximate enrollments is especially sought.

Appointments

LYNN S. JOY has been appointed Assistant Professor of History and Philosophy at Vanderbilt University. She has also been named a Senior Research Associate of the Vanderbilt Institute for Public Policy Studies as of September 1982.

LARRY LAUDAN has been appointed Professor of Science Studies and Philosophy in the Virginia Tech Center for the Study of Science in Society.

RACHEL LAUDAN has been appointed Associate Professor of Science and Technology Studies and History in the Virginia Tech Center for the Study of Science in Society.

KAREN V. H. PARSHALL has been appointed Assistant Professor of Mathematics at Sweet Briar College.

ROBERT PALTER has been appointed Charles S. Dana Professor at Trinity College, Hartford Connecticut. He will teach courses in the history and philosophy of science.

VIVIANE THEVENIN has been appointed to the Centre du Prospective et d’Evaluation du Ministere de la Recherche et de l’Industrie in Paris, France effective October 1982.

Conferences

August 15-18, 1983
An international conference on “The Role of Women in the History of Science, Technology and Medicine in the 19th and 20th Centuries,” is to be held in Veszprem, Hungary. Contact: Committee for the History of Science and Technology; Budapest, Hungary, V., Kossuth, Lajos ter 6-8. 1055.

November 11-13, 1983
The Technology and Society Division of the American Society of Mechanical Engineers is requesting papers by April 30, 1983 for presentation at the Winter Annual Meeting in Boston, Massachusetts, November 11-13, 1983. Two copies of completed manuscripts of the papers should be submitted to Prof. A. M. Dhanak, Dept. of Mechanical Engineering, Michigan State Univ., East Lansing, MI 48824. Topics which are especially suitable include: 1) Technology assessment, analysis, forecasting, social impacts, methodologies; 2) energy and environmental assessments; 3) assessments of solar energy or other alternate energy sources; 4) analysis and/or proposed models of engineering ethics; 5) appropriate technology for developing and developed countries; 6) socio-technical programs and ethics courses in engineering education; 7) emerging technologies; 8) legislative and legal problems relating to the role of technology and 9) specific aspects dealing with interactions between technology and society. Authors will be notified of the acceptance of the papers before June 15, 1983.

* * * * *

Summer Seminars for College Teachers
The NEH Summer Seminars for College Teachers program will offer 84 eight-week seminars during the summer of 1983. Those teachers selected to attend will receive a stipend of $2,700 to cover travel expenses to and from the seminar location, books and other research expenses, and living expenses. The purpose of the program is to provide opportunities for faculty at undergraduate and two-year colleges to work with distinguished scholars in their fields at institutions with library collections suitable for advanced research. The 1983 Summer Seminars for College Teachers brochure, which lists seminar topics, directors, dates, and locations will be available in January 1983 locally from department chairpersons or from the Division of Fellowships and Seminars, MS 101, NEH, 806 15th Street, N.W., Washington, D.C. 20506. College teachers interested in applying to a seminar should write directly to the seminar director (addresses are listed in the brochure) for detailed information and for application materials. The deadline for submitting applications to directors will be April 1, 1983. Of particular interest to teachers of the history of
science are the following seminars: Stephen G. Brush, Univ. of Maryland, College Park, MD 20742 (History of Modern Physical Science), James F. Childress, Univ. of Virginia, Charlottesville, VA 22903 (Principles and Metaphors in Biomedical Ethics) and Robert S. Westman, Univ. of California, Los Angeles, CA 90024 (Reappraisals of the Scientific Revolution).

**History Societies in United Kingdom**

For a list of History of Science Societies in the United Kingdom published in the British History of Science Newsletter (May 1981) send a stamped self-addressed envelope to Audrey B. Davis, 1214 Bolton St., Baltimore, Maryland 21217.

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**Fellowships**

**1982-83 Fellowship Program**

The American Society for Eighteenth Century Studies (ASECS) announces the establishment of three fellowship programs designed to promote and sustain the study of the eighteenth century. Fellowships will be funded jointly by the Society and three of the country’s leading research institutions: The Folger Shakespeare Library and the Folger Institute of Renaissance and Eighteenth-Century Studies, the Newberry Library, and the William Andrews Clark Memorial Library. Fellowships will generally be limited to one month’s support, although individual libraries may make adjustments depending on the quality of applications and the availability of funds. To be eligible for a Fellowship an applicant must be a member in good standing of the ASECS, be a post-doctoral scholar, no more than ten years from receipt of the Ph.D. or equivalent and working on a project concerned with the period 1660-1815 in the U.S. or abroad. To apply refer to “ASECS/name of the institution Fellowship Program” and contact: Clark Library: Fellowships, William Andrews Clark Memorial Library, 2520 Cimarron Street, Los Angeles, CA 90018 or call 213-731-8529; Folger Library and Institute: Mr. John F. Andrews, Chairman, Folger Institute of Renaissance and Eighteenth Century Studies, 201 East Capitol Street, SE, Washington, DC 20003 or call 202-544-4600; Newberry Library: Committee on Awards, The Newberry Library, 60 West Walton Street, Chicago, IL 60610 or call 312-943-9090.

**November 15 Each Year**

Dame Frances Yates, who died on 29 September 1981, bequeathed her residuary estate to found a research Fellowship or Fellowships in her name at the Warburg Institute. Fellows’ interests may lie in any aspect of cultural and intellectual history but, other things being equal, preference will be given to those whose work is concerned with those areas of the medieval and Renaissance encyclopedia of knowledge to which Dame Frances herself made distinguished contributions. There are two kinds of award, long and short-term. The number and duration of awards will vary according to the money available in any given year. The Fellowships will be advertised annually in October. Short-listed candidates will be interviewed in January, and, if successful, will be expected to take up their Fellowships on the succeeding 1 October if long-term, or as soon as possible in the succeeding academic year if short-term.

The Fellowships are intended primarily for younger scholars, who should have completed at least two years’ research towards the doctorate. Applicants over the age of 35 will be considered only if they propose to take unpaid leave of absence from an established post in order to complete a particular piece of work. The value of long-term Fellowships (up to 3 years, not normally renewable) will be in the range 5,000-9,000 pounds annually, according to age and qualifications, plus London University fees if relevant (but not fees due to other universities). Short-term Fellowships will be for periods of one to three months, as follows: Applicants domiciled in the United Kingdom, 1,000 pounds for three months (shorter periods not available); Applicants domiciled abroad, 500 pounds for one month, 850 pounds for two months, 1,200 pounds for three months. Fellowships of a value of 4,000 pounds and over are liable to tax. Post-doctoral applicants, or those already holding university appointments, will be eligible for membership of U.S.S., and National Insurance contributions will be required. The stipend will be paid monthly in arrears. Fellows will be expected to put their knowledge at the disposal of the Institute, by presenting their work in lectures or seminars, or by contributing to the Institute’s teaching for the M. Phil. degree, or by advising the Library and Photographic Collection, or by a combination of all three. Except in special circumstances, and with the express permission of the Director, they will not be permitted to teach elsewhere during their tenure. Fellows will be required to present a brief written report at the conclusion of their appointment, or every year, whichever is the briefer period. Fellowships may be terminated if the Appointing Committee is not satisfied that the conditions of the award are being met. All publications containing results of work done with the aid of a Fellowship shall include adequate acknowledgement of the fact. Applications should be made by letter to the Director, enclosing a curriculum vitae (giving full details of name, age, address, and present occupation, school and university education, degrees, teaching and research experience, publications), an outline of proposed research, particulars of grants received, if any, for the same subject, and the names of three referees. Copies of published work should be submitted, if possible. The closing date for applications will be 15 November in any year. A reminder of this fellowship will appear in the July Newsletter but potential candidates should keep this announcement for future reference.
History of Science Society News

The HSS Council has voted to change the dues structure in 1984 so that overseas members (individuals) will pay $29.00 per annum + $5.00 for postage to cover Newsletter mailing by airmail. Those not wishing to receive the Newsletter need not pay the additional $5.00. Students and those retired will pay $16.00 + $5.00 for the Newsletter by airmail. By this system the society will provide all foreign individual members with the Newsletter mailed by air and send it only to those who want it, while keeping total costs close to present levels.

Any HSS member wanting a copy of the Minutes of the business meeting in Philadelphia (Oct. 31, 1982) please send a self-addressed and stamped long envelope to the Secretary.

Study Course:
"The Evolution of Modern Chemistry"

Southern Illinois University at Edwardsville is sponsoring the Seventh History of Chemistry Course in Europe during June and July 1983. Places where history of chemistry was made, or is on exhibit, in Belgium, Czechoslovakia, East and West Germany, France, Great Britain, the Netherlands and Switzerland will be visited. Participants will also hear specially arranged lectures by local historians and scientists. Registration will earn 8 quarter hours of credit for eight weeks of travel and study. Participation for shorter periods is possible. The travel and study course should be of particular interest to chemistry secondary school teachers and college professors who like to combine self improvement with European sightseeing. Send inquiries to the tour leader: Dr. John Wotiz, Professor, Department of Chemistry and Biochemistry, Southern Illinois Univ., Carbondale, IL 62901 or telephone 618-453-5721.

Fischelis Scholar

The American Institute of History of Pharmacy (AIHP) requests applications for the first “Fischelis Scholar.” Relevant topics which will be accepted include: organization affairs, educational policies and standards, economic factors, developments in the field of public health and conditions of practice related to the work of pharmacists.

The AIHP is open to project applications from a variety of perspectives. As examples, Dr. Glenn Sonnedecker, Director of AIHP, suggests a possible oral history project to document different viewpoints and circumstances that led to some specific policy decision or programmatic change by organized pharmacists; or a research project on a 20th century trend, utilizing demographic or economic methods retrospectively; or, someone who already has analyzed a significant facet of pharmacy in depth and may want the support provided to a Fischelis Scholar to present a series of lectures and discussions at various universities or association meetings.

The recipient will carry the title “Fischelis Scholar” for a period of one year or more and receive a grant up to $3500 in partial support of the recipient’s project. Deadline for application is April 1, 1983. Applicants need not be associated with a university or with a particular occupation.

A special committee will select the “Fischelis Scholar,” subject to ratification by the Institute’s Council. Members of the AIHP Committee are: Alex Berman, Professor emeritus, Dept. of History and College of Pharmacy, Univ. of Cincinnati; Gloria N. Francke, Director of the Pharmacy Intelligence Center, American Pharmaceutical Association; Mickey C. Smith, Prof. and Chairman, Dept. of Health Care Administration, Univ. of Mississippi School of Pharmacy; Ernst W. Stieb, Associate Dean and Professor (History of Pharmacy), Univ. of Toronto; and James Harvey Young, Candler Prof. of History, Emory Univ.

CONTACT: AIHP, Pharmacy Building, Madison, WI 53706.

Journal of the History of the Behavioral Sciences Special Issue

The Journal of the History of the Behavioral Sciences is pleased to announce the publication of a special issue commemorating the one hundredth anniversary of Charles Darwin’s death. Coedited by Howard E. Gruber and Robert T. Keegan, the January 1983 issue of the Journal features articles and reviews by Gruber, Keegan, Gillian Beer, Robert J. Richards, Elisa K. Campbell, Colin G. Beer, Fernando Vidal, Marino Buscaglia, J. Jacques Voneche, John C. Fentress, Silvan S. Schweber, John L. Dawson, Charles S. Blinderman, Woodruff D. Smith and Robert L. Church. To order at $10.00 per copy contact: Charles Jakiela, CPPC, 4 Conant Square, Brandon, VT 05733 or call 802-247-6871.

Directory of Arabic-Islamic Historians

Dr. Sami Hamarneh is preparing a Directory of Historians of Arabic-Islamic Medicine and Allied Sciences for publication. Those who should be included in this directory please send: 1. an informal autobiography in a narrative form, including achievements, honors, awards, positions held, titles and institutional affiliations. Photos are optional. 2. name, office and/or home addresses for correspondence, place and date of birth, and nationality. 3. list of colleagues and authors known to you who are interested in the history and philosophy of medicine and related sciences and their addresses. 4. list of important contributions including articles, monographs or books that pertain to this discipline with full citations. Dr. Hamarneh welcomes complimentary reprints, papers, books or duplicates to assist in developing a working library in the department in which he teaches. Contact: Prof. Sami Hamarneh, Dept. of History and Philosophy of Medical Sciences, College of Medicine and Allied Sciences, King Abdulaziz University, P.O. Box 6615, Jeddah, Saudi Arabia.

Science in Society

Volume One of the Working Papers, published by the
Center for the Study of Science in Society, is now available from the Center at $2.50 per copy. Volume One contains the papers of Langdon Winner, Vivien Well, Spencer Weart, and Robert Livingston presented in an “Ethics and Engineering” Series at Virginia Tech in the spring of 1981. Send check to Center for the Study of Science in Society, Price House, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061.

Rockefeller Archive Guide
The Rockefeller Archive Center has published a revised and enlarged guide to the Center’s holdings which include the papers of John D. Rockefeller, The Rockefeller University, the Rockefeller Foundation, the Rockefeller Brothers Fund, the General Education Board, the Laura Spelman Rockefeller Memorial, other organizations founded by the Rockefellers, and the individuals associated with the Rockefeller philanthropies. Contact: Rockefeller Archive Center, Pocantico Hills, North Tarrytown, NY 10591.

New Journal

Eighteenth Century Life
Special Issue

History of Nuclear Physics Videotapes
A 56-minute videotape, “The Age of Innocence: Nuclear Physics in the 1930s,” suitable for classroom use is available for purchase. Based upon a Symposium on the History of Nuclear Physics held at the Univ. of Minnesota in May 1977, the script was written by Janet Krober and incorporates excerpts of lectures and discussions by Hans A. Bethe, Otto R. Frisch, Maurice Goldhaver, Sir Rudolf Peierls, Emilio G. Segre, John A. Wheeler, Eugene P. Wigner, Laura Fermi, and others. The videotape was produced by Roger H. Stuewer and directed by Gary Greenberg. It may be purchased for $70 in ½ “VHS or ¼” Beta-Max formats, or for $82 as a ¼” Videotape cassette. Contact: Lyn J. Weiler, Television Traffic manager, Rarig Center, 330 21st Ave. South, Univ. of Minnesota, Minneapolis, MN 55455. Telephone: 612-373-3867.

Study of Du Pont (R&D) Program
The Regional Economic Research Center of the Eleutherian Mills-Hagley Foundation began in Sept. 1982, a four-year historical study of the Du Pont Company’s research and development (R&D) program from its inception to the recent past. The study will culminate in a book. In 1902 with the establishment of its Eastern Laboratory at Gibbstown, New Jersey, Du Pont was among three or four American corporations pioneering in industrial research and development. David A. Hounshell Curator of Technology at the Hagley Museum and Assistant Professor of History at the Univ. of Delaware is directing the study. The goal of the project is to provide historians with the means for understanding a major institutional development of the twentieth century.

Galileo
by
Dorian Brooks Kottler

In a museum in Florence,
Galileo’s thumb-bone
sits upright under glass.
His mind is not preserved,
that clear window
in which the moon first shone
with all its crags and flaws,
and dark Italian hills, inert for centuries,
whirled in an infinite sky.
Only his thumb remains,
odd fragment of a man
who spoke his thoughts too often
and met with house arrest:
yet fitting, too.
this bold gesture of triumph
over all who turned away
from reason’s fiery lens
and shuffled back to bed,
trailing their heavy robes.

Note: the part of Galileo which remains is a digit of the index finger, not his thumb.

National Registry for the Bibliography of History
The Association for the Bibliography of History, in
conjunction with the Department of History and the Lauinger Library at Georgetown University, has organized the National Registry for the Bibliography of History. The registry will collect, record, and disseminate information about bibliographic projects in all fields of history, unpublished or in progress, in the U.S. and Canada. The Center will maintain a file of reported projects, and from time to time as appropriate, will publish lists of work in progress and completed. Contact: Director of the Registry, Thomas T. Heide, Department of History, Georgetown University, Washington, DC 20057.

Ambrose Swasey Memorial Fellowship

The Program in the History of Science and Technology at Case Western Reserve University invites prospective or current graduate students to apply for the Ambrose Swasey Memorial Fellowship. The fellowship provides full tuition support and is renewable for one or two years. Fellowship recipients must pursue either the M.A. or Ph.D. degrees in the Program in the History of Science and Technology, and must engage in significant scholarly research in the history of machine tools, astronomical instruments, the career of Ambrose Swasey, or the Warner and Swasey Company. The Swasey Papers and many important Warner and Swasey Company papers are held in the University’s Freiberger Library. Contact: Darwin H. Stapleton, Director, Program in the History of Science and Technology, Case Western Reserve University, Cleveland, OH 44106.

Objects Available for Exhibits

The Division of Medical Sciences of The National Museum of American History, Smithsonian Institution has a number of medical instruments, objects, artifacts and furniture available on loan for exhibition in properly secured spaces. Items available include X-ray equipment, cardiology instruments and equipment, dental equipment of all types, surgical instruments and a range of diagnostic equipment. For details and terms of loan contact: Division of Medical Sciences, MAH 5000, Smithsonian Institution, Washington, DC 20560.

History of Geography Newsletter

The History of Geography Newsletter, to appear on an occasional schedule, edited by Prof. Geoffrey J. Martin was published in December 1981 and the second issue is planned for December 1982 or January 1983. Contributions of articles or notes are encouraged from anyone interested in the history of geography. The price of each issue is $3 (postpaid). Contact: G. S. Dunbar, Dept. of Geography, Southern Connecticut State College, New Haven, CT 06515.

Special Offer to HSS Members

Science, Technology, & Human Values in cooperation with the publisher John Wiley & Sons is offering individual members of HSS during 1983 a chance to subscribe to the journal at half price of $24.00 per annum. Founded at Harvard in 1972 by scientists and others concerned about the impact of science on society, the journal features essays and analyses of current public policy issues including creationism, arms control, biotechnology, science education and science and the mass media. To subscribe fill in and mail the coupon below.

Free Brochure

A new brochure entitled Historic Engineering Landmarks is now available free from the American Society of Mechanical Engineers (ASME). The brochure lists and provides information on all of the state, national and international landmarks to date, with a state by state roster of their geographic locations. The brochure can be obtained by writing to: Public Information, ASME, 345 E. 47th Street, New York, New York 10017.

Victorian Studies is planning a special issue for volume 27, 1983-84, on Victorian science. The emphasis will be on developments in physics, chemistry, astronomy, and mathematics in relation to other aspects of Victorian society and culture. Biology, geography, physiology and medicine may also be included, although more has been written about these sciences from interdisciplinary perspectives than about the other sciences. The journal is seeking essays that show how theoretical developments in a physical science or mathematics influenced other, perhaps seemingly distant aspects of Victorian culture. Contact Patrick Brantlinger, Editor, Victorian Studies, Indiana Univ., Ballantine Hall 338, Bloomington, Indiana 47405.

Subscription Department HSS/ST
John Wiley & Sons
605 Third Avenue
New York, NY 10158

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Payment for international orders must be made in U.S. currency. Subscriptions are entered on a calendar year basis only. Service will begin upon receipt of payment.
American Society of Mechanical Engineers. Connecticut the Industrial Incubator. Foreword by Gerard L. Studley. 180 pp., illus., bibl. Hartford, CT: ASME History and Heritage Committee, Hartford Section, 1982. $20 (cloth).


S. M. Andrews. The Discovery of Fossil Fishes in Scotland up to 1845 with Checklist of Agassiz’s Figured Specimens. (Royal Scottish Museum Studies.) 67 pp., illus., fig., bibli., index. Edinburgh: Royal Scottish Museum, 1982. £5.00 (paper).


Michael Bliss. The Discovery of Insulin. 304 pp., illus., bibli., index. Chicago/Toronto: University of Chicago Press, 1982. $20 (cloth).


Aldo Briguglio and Guido Masotto. Il Circolo Matematico Di Palermo. (Biblioteca dedalo, 50.) 449 pp., illus., bibli., index. Bari, Italy: Editore Dedalo, 1982. L11.00 (paper).

Asa Briggs. The Power of Steam: An Illustrated History of the World’s Steam Age. 208 pp., illus., figs., bibli., index. Chicago/London: University of Chicago Press, 1982. $22.50 (cloth); $10 (paper).

Joan L. Bromberg. Fusion: Science, Politics, and the Invention of a New Energy Source. xvi + 344 pp., illus., figs., bibli., index. Cambridge, Mass./London: The MIT Press, 1982. $30 (cloth).


Desmond M. Clarke. Descartes’ Philosophy of Science. Preface by M. A. Stewart. (Studies in Intellectual History.) xii + 249 pp., illus., figs., bibli., index. University Park: The Pennsylvania State University Press, 1982. $17.95 (cloth).


William Cooper and Yuji Iijii (Editors). Eric Louis Ackerman: Man’s Principles viii + 248 pp., illus., figs., bibli., index. Buffalo/Rochester, NY: University of Southern California Press, 1982. $8.50 (paper).

George H. Daniels and Mark H. Rose (Editors). Energy and Transport: Historical Perspectives on Policy Issues. (Sage Focus Editions, 52.) 287 pp., illus., figs., bibli., index. Beverly Hills/London/New Delhi: Sage Publications, 1982. $25 (cloth); $12.50 (paper).


Maria De Rose. La Verità Senza Soggetto: Lenin e la Scienza. (Biblioteca Dedalo, 52.) 103 pp., bibli., index. Bari: Edizioni Dedalo, 1982. L5.00 (paper).

Adrian Desmond. Archetypes and Ancestors: Paleontology in Victorian London 1850-1875. 287 pp., illus., bibli., index. London: Blond & Briggs, 1982. £15.95 (cloth).

Eugene Emme (Editor). Science Fiction and Space Futures: Past and Present. Introduction by Mark R. Chartrand and Eugene Emme. (AAS History Series, 5.) viii + 270 pp., illus., figs., bibli., index. San Diego, CA: American Astronautical Society, 1982. $35 (cloth); $25 (paper).


Ahsan Jan Qaiser. The Indian Response to European Technology and Culture (A. D. 1468-1707). xiii + 225 pp., illus., figs., apps., bibl., index. Delhi/Bombay/Calcutta: Oxford University Press, 1982. $35 (cloth).


David Ritchie, Spacewar: ix + 224 pp., illus., bibl., index. New York: Atheneum, 1982. $14.95 (cloth).


David Rosner. A Once Charitable Enterprise: Hospitals and Health Care in Brooklyn and New York, 1905-1915. (Interdisciplinary Perspectives on Modern History.) ix + 234 pp., figs., illus., bibl., index. Cambridge/London/New York: Cambridge University Press, 1982. $29.50 (cloth).


M. M. Slaughter. Universal Language and Scientific Taxonomy in the Seventeenth Century. x + 277 pp., figs., bibl., index. Cambridge/London/New York: Cambridge University Press, 1982. $47.50 (cloth).

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Remember to return your ballot on page 7 before September 1, 1983 in order for your vote to be counted.

Look forward to the October Newsletter
DEADLINE FOR OCTOBER NEWSLETTER:
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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. Special subscription to the NEWSLETTER alone is $5.00. Airmail is available for foreign members by paying yearly postal costs of $5.00 (Western Europe) or $10.00 (elsewhere). The deadline for receipt of news is the tenth of the month prior to publication. Editor of the NEWSLETTER is Audrey B. Davis. Send news items to Dr. Audrey B. Davis, the National Museum of American History, Rm. 5000, Smithsonian Institution, Washington, D.C. 20560. As Secretary of the Society and Editor of the NEWSLETTER she is interested in membership opinion about coverage and welcomes suggestions. Occasional supplements containing job information are sent to departments and individuals who request them.

HISTORY COMMITTEES
HSS is compiling a listing of science, engineering and technical societies which have History Committees or Divisions and would like to make it as complete as possible. All HSS members who are aware of History Committees or Divisions existing in those societies with which they are familiar please inform the HSS Secretary. The HSS member need not be a member of the History Committee or a member of the scientific society.