HISTORY OF SCIENCE SOCIETY NEWS

A total of 229 ballots were cast for 1979 officers of the History of Science Society, an increase over the 176 ballots last year. Many of the contests were close. Vice President is F. Larry Holmes. New Council members are Stephen Brush, Paul Farber, Margaret Oslor, Kenneth Taylor and Winifred Wisan. The Nominating Committee will include Bernard Flinn, Roger Hahn, Mary Jo Nye and Margaret Roositer; Joe Burchfield and Alan Shapiro tied for fifth place. This tie will be broken, under the terms of the Society’s statutes, by a ballot at the annual meeting in Madison, Wisconsin.

Arnold Thackray has become Editor of *ISIS* as of October 1, 1978. William Montgomery (Associate Editor, Collected Letters of Charles Darwin) will serve as Assistant Editor and Diana Menkes will assume the role of Managing Editor. John Neu will continue to edit the Critical Bibliography. Karyn Popham (a graduate student in the Pennsylvania program) will fill the new position of Editorial Assistant. Elizabeth Cooper will run the *ISIS* Editorial Office. Manuscripts, books for review and all correspondence should be addressed to *ISIS*, University of Pennsylvania, 215 South 34th Street/B6, Philadelphia 19104, U.S.A. News of forthcoming books and suggestions of suitable reviewers would be especially welcomed. Dr. Thackray and the *ISIS* staff look forward to meeting members of the Society in Madison and to receiving advice and suggestions on the work of the journal.

The National Coordinating Committee for the Promotion of History has been voted support by the History of Science Society. Organized in response to the general worsening of history’s position in the schools, as well as the alarming decrease in employment possibilities for individuals with advanced training in history, the National Coordinating Committee has now developed initiatives on two major fronts: the creation of organizations for promoting history at the state level and the preparation and dissemination of information directly related to potential new areas of professional employment for historians. In addition NCC functions as an information clearinghouse for a number of developments related to the promotion of history. For example, the Coordinating Committee is currently surveying all history departments to obtain information on new training programs at both undergraduate and graduate levels. Results of this questionnaire will be ready by fall. The NCC pamphlet on CETA funding, which has had wide distribution among historians and historical agencies, museums, archives, and the like, is being expanded and revised for circulation by the new Federation of Public Programs in the Humanities. These materials are available through the American Historical Association, 400 A Street, S.E., Washington, D. C. 20003. Members wishing to support the NCC should send a check to Arthur L. Norberg, 125 Fairlawn Drive, Berkeley, California 94708.

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CONFERENCES AND MEETINGS

A Symposium on Science and the Arts in the Renaissance will be held on October 27-28, 1978, at the Folger Shakespeare Library in Washington, D. C. There will be a three-part program: Rationalizing the Order of Things, Expanding the World in Space and Time, and Measurement and the Arts. Conference speakers will include Alistair Crombie, Trinity College, Oxford; Michael Mahoney, Princeton University; F. David Hoeniger, University of Toronto; Nancy S. Steuver, Johns Hopkins University; John S. Shipton, University of Delaware; and Philip C. Ritterbusch, author and consultant on the History of Science; James S. Ackerman, Fog Art Museum, Harvard University. For further information, please write to Karin B. Stanford, Publicity Coordinator, Folger Shakespeare Library, 201 East Capitol Street S. E., Washington, D. C. 20003.
The Fifth European Travel and Study course in "The Evolution of Modern Chemistry" will be offered by Southern Illinois University-Carbondale in the summer of 1979. Chemistry and Science teachers, professors and graduate students will register for six semester hours of credit or audit. The eight-week-long program in June and July will take the students to Great Britain, France, Switzerland, Belgium, Holland, Denmark, Sweden, East and West Germany, and possibly the USSR. Places will be visited where history of chemistry was made or is on exhibit. Beside the SIU-C instructor, students will listen to special lectures by local science historians and experts. Inquires should be directed to the tour leader and instructor, Dr. John H. Wotiz, Professor, Department of Chemistry and Biochemistry, Southern Illinois University, Carbondale, Illinois 62901.

The annual meeting of CHEIRON, the International Society for the History of Behavioral and Social Sciences, will be held at the University of Akron, Akron, Ohio, June 8-10, 1979. Papers may deal with aspects of the history of any of the behavioral and social sciences. Information concerning program may be obtained from Dr. Robert G. Weyant, Department of Psychology, University of Calgary, Calgary, Alberta, Canada. Information on local arrangements may be obtained from Dr. John A. Popplestone, Archives of the History of American Psychology, University of Akron, Akron, Ohio 44325.

The Third International Congress on the History of Oceanography, will be held at Woods Hole, Massachusetts, on September 22-26, 1980. Abstracts of the proposed contributions, not exceeding 500 words and in English, will be due not later than March 31, 1979. An original copy of each accepted paper, in double-spaced typescript with ample margins, will be required by August 31, 1979. Publication will be in a special issue of the Journal of Marine Research. Offers of contributions should be submitted as soon as possible to Daniel Merrimon, 296 Sperry Road, Bethany, Connecticut 06522.

Apollo Agonistes: The Humanities in a Computerized World, an International Symposium, will be held April 19-21, 1979, in the Alumni House - Conference Center, State University of New York at Albany. The Institute for Humantistic Studies, in collaboration with the College of Humanities and Fine Arts and the Computing Center, State University of New York at Albany, invites papers on any aspect of the relationship between the humanities and mechanical or electronic information flow. Suggestions include: contrasting models of men and women as statistical units or as autonomous individuals; the tension between concepts of thought as mechanistic and as uniquely human; the portrayal of computers or similar mechanisms in world literature, art, music, or history; the uses of the computer in the humanities today; problems of policy involving the humanistic implications of both positive and negative uses of computers in areas like data banks, education, industry, medicine, law, crime and criminal justice, economics and banking, social services, political science, etc. Please send one-page proposals or abstracts by November 15 to Professor M. E. Grenander, Director, The Institute for Humantistic Studies, State University of New York at Albany, Albany, New York 12222.

ANNOUNCEMENTS

A survey of programs in science for women and girls is being conducted by the American Association for Advancement of Science, under support of NSF. The results will appear in a publication that describes all efforts made between 1966 and the present to improve the science, mathematics, and engineering education of girls and women in the United States and to increase their participation in science related careers. Programs directed at any age level will be eligible for inclusion, as will work conducted by any type of organization or agency. Projects of direct benefit to women and girls and research on the topic will be surveyed. Persons who know of projects which might be within the scope of this inventory are asked to contact Dr. Michele L. Aldrich, 3412 Hillview Avenue, P.O. 10412, Palo Alto, California 94303.
The American Association for the History of Medicine is planning, in early 1979, to issue a new listing of current research being conducted on topics in the history of medicine and related sciences, including dissertations. Individuals and department heads desiring to have their projects and those of their students listed are urged to send the following information: Name, institution or mailing address, title of substantial research topics, and estimated completion date. Send communications before December 1, 1978 to: James H. Cassedy, National Library of Medicine, 8600 Rockville Pike, Bethesda, Maryland 20014.

The Einstein Centennial will be celebrated in year long activity at the University of The South. A multidisciplinary program is expected to include a minicourse, speakers, seminars, films and a library exhibit. Organizers would be interested in exchanging ideas and perhaps speakers with other liberal arts colleges planning similar activities for 1979. Contact Prof. Philip L.4een, The Department of Physics, The University of The South, Sewanee, Tennessee 37375.

The American Federation of Information Processing Societies, Inc. (AFIPS) is launching a number of major activities covering the history of computing. The multifaceted program will be carried out by the Federation's History of Computing Committee under the chairmanship of Jean E. Sammet of the IBM Federal Systems Division, Cambridge, Massachusetts. Initial priority will be given to a study of the problem of preserving historical information, including possible establishment of a Center for the History of Computing. Projects underway include development of audio-visual materials for educational purposes; guidance in developing the annual Pioneer Day program, encouragement and assistance to the AFIPS Constituent Societies on special conferences, sessions, and preservation of their own archives; encouragement of historical research; and provision of volunteer support to the Smithsonian Institution on relevant activities. In all its activities, the History of Computing Committee will work closely with Professor Bernard A. Galler of the University of Michigan, editor-in-chief of the recently announced AFIPS journal, *Annals of the History of Computing*.

The National Science Foundation announced the members of the Advisory Panel for the History and Philosophy of Science Program: Philosophy of Science; Arthur Burks, University of Michigan, Merrilee Salmon, University of Arizona, Howard Stein, Columbia University, Linda Wessels, Indiana University, History of Science; Ruth Cowan, S.D.N.Y., Stony Brook, Arthur Donovan, West Virginia University, John Heilbron, University of California, Dorothy Ross, University of Virginia. Applications are reviewed by the panel and ad hoc reviewers with respect to the merit of the work proposed; funding decisions rest primarily on their advice. Awards are made for those proposals perceived by the reviewers as having the greatest promise for making significant contributions to the history and philosophy of science and technology.

A History of Physics Symposium was held at the summer meeting of the American Association of Physics Teachers at the University of Western Ontario, London, Ontario, June 14, 1978. Chaired by Walter Gross (AAPT), the Symposium included the following papers: 1. H. Jaecks (University of Nebraska, Lincoln), "A History of the Optical Development of Early Telescopes"; V. V. Ramam (Rochester Institute of Technology), "The Evolution of the Second Law of Thermodynamics"; John Stachel (Institute for Advanced Study, Princeton), "Albert Einstein: From Special to General Relativity and Beyond - 1907-1917"; Spencer R. Weart (Center for History of Physics, New York), "American Physics during the Great Depression". About 150 people attended.


The Purdue Energy Policy (PEP) Newsletter is published bimonthly. For information contact the editor, A. A. Potter Engineering Center, Purdue University, West Lafayette, Indiana 47907.

The British Interplanetary Society, London, announces that anually one issue of its Journal of the British Interplanetary Society will be devoted to the history of rocketry and astronautics. The project is in the planning phase and editor Michael B. Sharpe welcomes both comments and abstracts for proposed articles. He is especially interested in encouraging graduate and undergraduate students in the history of science and technology to participate. Material for
A directory of courses and programs related to the field of ethics and values in science and technology has been compiled by the AAAS Office of Science Education under a grant from the National Science Foundation. Listings of more than 900 EVIST-oriented courses are organized under five topical headings: (1) science, technology, and human values; (2) environmental concerns; (3) health care, life science, behavioral sciences; (4) industry, commerce, and society; and (5) public policymaking.

The EVIST Resource Directory is available free of charge from the Office of Science Education, American Association for the Advancement of Science, 1776 Massachusetts Avenue N.W., Washington, D.C. 20036.

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RESEARCH NEWS

The papers of Thomas A. Edison will be edited at Rutgers University, in joint sponsorship with the National Park Service, the New Jersey Historical Commission, and the Smithsonian Institution. The Publication is expected to include a comprehensive microfilm edition and a 15 to 20 volume, highly select letterpress edition. Reese V. Jenkins will be director and editor of the project and a member of the Rutgers University faculty in the Department of History. During the next couple of years additional faculty and editorial staff will be added and a major program in the history of technology and science will be developed in coordination with the Edison Papers. A substantial part of the documents are located at the Edison National Historic Site in West Orange, New Jersey. These include more than 2700 laboratory notebooks, patent and legal files, and a very substantial body of incoming and outgoing correspondence. In addition, there are thousands of Edison artifacts and photographs at the Edison laboratories at West Orange. These will be employed in the scholarly documentary publications as well as in a series of more popular associated works.

Papers of horticulturist and plant breeder Luther Burbank (1849-1926) have been acquired by The Manuscript Division in the Library of Congress. As one of the principal contributors to the practical aspect of American science, Burbank had a reputation similar in character to that of Edison and Bell. His papers, which were forwarded from the famed site of many of his experiments in Santa Rosa, California, number approximately 10,090 items and range in date over much of his life span. Included are correspondence, writings, scientific notes and records, ledgers, account books, scrapbooks, photographs, and journal reprints and other printed matter.

Jean S. Gottlieb is compiling a bibliography of Newberry Library's holdings in renaissance science; it will consist of more than 200 titles, some of great rarity or specialized interest. Scholars in the history of science will probably find that this list represents only a portion of the works to be found in the collections at the Newberry. National Endowment for the Humanities and Newberry Library Fellowships are available for research in fields appropriate to the Library's collections. Inquiries may be addressed to the Committee on Awards, The Newberry Library, 60 West Walton Street, Chicago, Illinois 60610.

Ellen B. Wells of the History of Science Collections Cornell University Libraries, Ithaca, New York 14853, is working on a book-length information guide to the history of science, for publication (continued on page 9)


George A. Bender; John Parasascinda (eds.), American Pharmacy in the Colonial and Revolutionary Periods. A Bicentennial Symposium sponsored by the American Institute of the History of Pharmacy with the co-sponsorship of the American Pharmaceutical Association and the American Society of Hospital Pharmacists, New Orleans, April 5, 1976. 48 pp., illus. Madison, Wis.: American Institute of the History of Pharmacy, 1977. $3 (paper) ($1.80 to AIHP members).


Gernot Böhme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger Gernot Bohme; Wolfgang van den Daele; Rainer Hohlfeld; Wolfgang Krohn; Wolf Schäfer; Tilman Spengler, Starnberger


Edward Manier, The Young Darwin and His Cultural Circle. A study of influences which helped shape the language and logic of the first drafts of the theory of natural selection. (Studies in the History of Modern Science, 2.) xii + 242 pp., illus., bibl., index. Dordrecht/Boston: D Reidel, 1978. Dfl. 65, $24.50 (cloth); Dfl. 30, $13.95 (paper).


BOOKS RECEIVED BY ISIS: JULY-SEPTEMBER, 1978


Paul Snyder, Toward One Science: The Convergence of Traditions. xiii + 224 pp., notes, bibl., index. New York: St. Martin’s Press, 1978. $10.00 (cloth) $5.95 (paper).

Kendall E. Bailey, Theology and Society under Lenin and Stalin: Origins of the Soviet Technical Intelligentsia, 1917-1941. (Studies of the Russian Institute, Columbus University.) xiii + 469 pp., 6 Illus., tables, glossary, appendix, bibl., index. Princeton: Princeton University Press, 1978. $30.00 (cloth); $12.50 (paper).


Among the nuclear chemistry, and nuclear medicine. The small number of E. O. Lawrence's development and exploitation of developments in accelerator technology and of reprints include the original announcements of energy particle accelerator. The 61 volumes of Lawrence Radiation Laboratory at the University of California from 1940 to 1972. The laboratory, established in 1936, was an outgrowth of E. O. Lawrence's development and exploitation of the cyclotron, the first practical high-energy particle accelerator. The 61 volumes of reprints include the original announcements of developments in accelerator technology and the subsequent discoveries in particle physics, nuclear chemistry, and nuclear medicine. Among the 10,000 reprints in the collection are papers by Luis Alvarez (27), Andrew Benson (36), Melvin Calvin (215), John G. Conway (33), B. B. Cunningham (43), Albert Ghiorso (73), E. O. Lawrence (6), John H. Lawrence (132), E. M. McMillan (31), Glenn Seaborg (132), Emilio Segre (60) and S. G. Thompson (68). The small number of E. O. Lawrence papers results from the absence of the two volumes for 1930-1939 from the set of Collected Reprints acquired by Burndy Library. Thus the collection does not cover the period of Lawrence's early cyclotrons, but it does span the period from the production of radioactive isotopes and transuranium elements in the 60- and 184-inch cyclotrons to the development of the synchrotron, linac, and bevatron and the use of those machines to study sub-atomic particles. Simultaneous with this experimental physics program directed by E. O. Lawrence, his brother John Lawrence was using the accelerators to treat cancer patients and other researchers used isotopes to study plant and animal physiology. Collected Reprints is an important source for the history of nuclear medicine and the use of radioactive isotopes in biology. At the request of Lawrence and his successor as director of the laboratory McMillan, their secretary Eleanor Davison prepared Collected Reprints for the use of the senior staff. Only five complete sets were extant in 1964; all were in private hands. The set in Burndy Library is the only one on the East Coast. Each volume of reprints includes a table of contents listing authors and titles. There is also a cumulative author index for 1930-1966. Beginning with 1965 each volume contains author and key word indices.

RESEARCH NEWS (CONTINUED)

by the American Library Association. It will attempt to provide students and scholars with a useful starting point in their researches. It will be in three sections with an index: (1) Information sources and their use: people, organizations, publications, audiovisual and microform materials, data bases, libraries and museums. The strategies of approach to these sources. (2) Manuscript resources and how to locate and identify them, with a guide to sources in North America. Notes on ongoing projects to identify, collect and publicize scientific manuscripts. (3) Annotated bibliography of basic reference works in the history of the sciences. Notes will indicate coverage, scope and quality of the works cited. Availability of items not in the regular book trade will be noted, and emphasis will be on recent publications.

It will not be a reading guide, a term paper how-to, and will try to avoid coverage given elsewhere. A policy of reduced space for medicine, technology and instruments and apparatus is being considered. She welcomes comments and suggestions from teachers of courses in the history of science on their needs and from archivists on projects relating to manuscript collections of scientists.

Burndy Library announces the acquisition of Collected Reprints of Published Papers of the Lawrence Radiation Laboratory at the University of California from 1940 to 1972. The laboratory, established in 1936, was an outgrowth of E. O. Lawrence's development and exploitation of the cyclotron, the first practical high-energy particle accelerator. The 61 volumes of reprints include the original announcements of developments in accelerator technology and the subsequent discoveries in particle physics, nuclear chemistry, and nuclear medicine. Among the 10,000 reprints in the collection are papers by Luis Alvarez (27), Andrew Benson (36), Melvin Calvin (215), John G. Conway (33), B. B. Cunningham (43), Albert Ghiorso (73), E. O. Lawrence (6), John H. Lawrence (132), E. M. McMillan (31), Glenn Seaborg (132), Emilio Segre (60) and S. G. Thompson (68). The small number of E. O. Lawrence papers results from the absence of the two volumes for 1930-1939 from the set of Collected Reprints acquired by Burndy Library. Thus the collection does not cover the period of Lawrence's early cyclotrons, but it does span the period from the production of radioactive isotopes and transuranium elements in the 60- and 184-inch cyclotrons to the development of the synchrotron, linac, and bevatron and the use of those machines to study sub-atomic particles. Simultaneous with this experimental physics program directed by E. O. Lawrence, his brother John Lawrence was using the accelerators to treat cancer patients and other researchers used isotopes to study plant and animal physiology. Collected Reprints is an important source for the history of nuclear medicine and the use of radioactive isotopes in biology. At the request of Lawrence and his successor as director of the laboratory McMillan, their secretary Eleanor Davison prepared Collected Reprints for the use of the senior staff. Only five complete sets were extant in 1964; all were in private hands. The set in Burndy Library is the only one on the East Coast. Each volume of reprints includes a table of contents listing authors and titles. There is also a cumulative author index for 1930-1966. Beginning with 1965 each volume contains author and key word indices.

FELLOWSHIP ANNOUNCEMENTS

The Smithsonian Institution announces its program of higher education and research training in the History of Technology and Science for 1979-1980. Smithsonian Fellowships are awarded to support independent research using Smithsonian Institution collections, archives, laboratories, and other facilities, and pertaining to Smithsonian professional staff research interests. Proposals for research may be offered in fields in which the Institution has research strengths; history of mathematics, physical sciences, medicine and pharmacy, engineering, transportation, agriculture, air and space, and electrical technology, and the history of science in America. Predoctoral Fellowships, supported by a stipend of $7,000 per annum and research allowances, may be granted to doctoral candidates to conduct research for their dissertations with the approval of their university department. Fellowships supported by a stipend of $12,000 per annum and research allowances, may be granted to postdoctoral scholars to pursue further training in research. Smithsonian does not discriminate on grounds of race, creed, color, sex, age, or national origin. For more information and application forms please write: Office of Fellowships and Grants, Smithsonian Institution, Washington, D. C. 20560. Please indicate the particular area in which you propose to conduct research and give the dates of degrees received or expected. Applications due January 15, 1979.

The Society for the Humanities at Cornell will be awarding five Junior (Postdoctoral) Fellowships for the academic year, 1979-80. They are looking for outstanding young people, especially men and women with interests that are not confined to a
The Rockefeller University has made 12 grants-in-aid to support projects requiring substantial research in the holdings of the Rockefeller Archive Center during 1978. Grants ranging from $500 to $1000 will be made to graduate students or advanced scholars for the year 1979. Application deadline is December 31, 1978. Inquiries about the program and the open collections at the Center should be addressed to: Director, Rockefeller Archive Center, Hillcrest, Pocantico Hills, North Tarrytown, New York 10591.

The American Antiquarian Society, in order to make more readily available for research its unparalleled resources in early American history and culture, will award to qualified scholars a number of Visiting Fellowships during the year June 1, 1979 - May 31, 1980. Awards will be made in two categories. At least two Fellowships will be awarded under funds provided by the National Endowment for the Humanities. The stipend and duration of each Fellowship are negotiable up to a limit of $1,666 per month for six to twelve month's residence at the Society. NEH Fellows must devote full time to their study and may not accept teaching assignments or undertake any other major activities during tenure of the award. The Fred Harris Daniels Fellowships are short-term Visiting Fellowships, the funds for which are derived from the income of the Society's Fred Harris Daniels Fund. The Fellowships may vary in duration from one to three months, depending on the Fellow's requirements. Stipends may vary in amount, according to a Fellow's needs, to a maximum of $1,800. The Daniels Fellowships are open to individuals engaged in scholarly research and writing, including foreign nationals and persons at work on doctoral dissertations. Because the purpose of the Daniels awards is to enable persons who might not otherwise be able to do so to travel to the Society, grants will be made only to those who reside more than fifty miles from Worcester, Massachusetts, where the Society is located.

The deadline for applications for Daniels Fellowships is February 1, 1979. Announcement of the awards will be made by March 15, 1979.

The American Council of Learned Societies has instituted new procedures for handling international travel grant applications. The applications now go directly to the ACLS and are later sent to the appropriate member society for review and recommendation. Under the new procedures, persons should request application forms from the Travel Grant Office of the ACLS, 345 East 46 Street, New York, N. Y. 10017 and later send them to their appropriate member society for review and recommendation. All inquiries and applications should be directed to: Michael Kammen, Director, The Society for the Humanities, Andrew D. White House, 27 East Avenue, Ithaca, New York 14853.

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Poland, Romania, Yugoslavia, East Germany since 1945, and modern Greece. Grants will rarely exceed $10,000. Stipends in lieu of summer salary or grants for foreign travel will be considered only in exceptional circumstances. Deadline for receipt of application forms is December 1, 1978. For additional information about this or other ACLS fellowships and grants programs, send inquiries to: Office of Fellowships and Grants, American Council of Learned Societies, 345 East 46 Street, New York, New York 10017.

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AWARDS AND HONORS

George B. Kauffman, Professor of Chemistry at the California State University, Fresno, has been selected as the 1978 recipient of the Dexter Award in the History of Chemistry. Established in 1956 by the Dexter Chemical Corporation and administered by the Division of the History of Chemistry of the American Chemical Society, the annual international award, last granted to an American in 1973, consists of a $1,000 check and an engraved plaque.

William F. Aspray, Jr., a student in the History of Science Department of the University of Wisconsin, has been awarded the first Fellowship of the Charles Babbage Institute in the history of information sciences. Mr. Aspray will examine the various mathematical attitudes and approaches to computability, how the theoretical notions of effective computability of Church, Kleene, Turing and Post motivated the early development of physical automata and the role played by logicians such as Kleene, Rosser, Turing and Curry in the early development of computers.

The Smithsonian Institution has appointed the following fellows in the program in the History of Technology and Science for 1978-1979: Robert Belfield, University of Pennsylvania; William Pretzer, Northern Illinois University (Predoctoral Fellows) and Joseph Corn, University of California (Postdoctoral Fellow).

The American Council of Learned Societies announced winners of awards including fellowships to Wilbur R. Knorr, Assistant Professor of the History of Science, City University of New York, Brooklyn College: The development of Archimedes' mathematical thought and Susan P. MacDonald, Assistant Professor of English, Eastern Connecticut State College: Study in the history of science; and a grant-in-aid to Michael J. Donnelly, Tutor in Social Studies, Research Associate, Center for European Studies, Harvard University: Development of psychology and moral treatment of the insane in early 19th century Britain.

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DISSERTATIONS

City University of New York:
   Erna Hilfstein, "Starowolski's Biographies of Copernicus" (completed). Number 7808683.

Polytechnic Institute of New York:

University of Notre Dame:

University of Toronto:
   Katherine S. Arima, "Model and Mechanism in Quantum Physics: A Historical and Philosophical Analysis of Systems Represented by Harmonic Oscillators" (completed).


   Charles V. Jones, "On the Concept of 'One' as a Number" (in progress).


   Gregory H. Moore, "From Kant to Gödel: The Role of the Axiom of Choice in the development of Mathematics" (in progress).


   Byron E. Wall, "The Context and Reception of Freud's Topographical Theory of Mind in British and American Philosophical Psychology, 1900-1925" (completed).

University of Washington:
   Mott T. Greene, "Major Developments in Geotechnic Theory Between 1800 and 1912" (completed).

   Lorin Anderson, "Charles Bonnet and the Order of the Known" (completed).

   Diane Heggarty, "Richard Kirwan: The Natural Philosopher and the Chemical Revolution" (completed).


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Note: If available, please supply the Dissertation Abstracts reference number in the future when submitting announcements on dissertations completed.
APPOINTMENTS AND PROMOTIONS

H. Bruce Fye has been appointed adjunct assistant professor of the history of medicine at the University of Wisconsin-Madison.

Adolf Grunbaum completed an 18-year tenure as Director of the University of Pittsburgh's Center for Philosophy of Science, Effective July 1, 1978, he has been succeeded in that position by Larry Laudan. Professor Grunbaum now holds the post of Chairman of the Center and will continue to be heavily involved in planning Center activities, including an enlarged Pittsburgh Series in Philosophy and History of Science. All inquiries should be directed to Professor Larry Laudan, Center for Philosophy of Science, University of Pittsburgh, Pittsburgh, Pennsylvania 15260.

Reese V. Jenkins has been appointed Director and Editor of the Thomas A. Edison Papers and Professor of History at Rutgers University.

Lester S. King has been appointed Hannah Visiting Professor for the year 1978-1979, to spend a week in residence at each of the five medical schools in the Province of Ontario. He will give lectures and conduct seminars in the History of Medicine, with the major emphasis on the topic, "The Persisting Problems of Medicine".

Mary Jo Nye has been awarded tenure and promoted to Associate Professor in the Department of the History of Science at the University of Oklahoma.

William Randall Albury and John R. Saunders have been promoted to Senior Lecturers in the School of History and Philosophy at the University of New South Wales.

1. Lawrence Berkeley Laboratory, Berkeley, California 94720.

Description: Half-time archivist to develop a program of selecting, collecting and organizing Lawrence Berkeley Laboratory records, publications, and equipment with relevance to the history of U. S. 20th century sciences. The position has a salary range of $950-$1,340 per month, pro-rated, and the candidate should have a master's degree in one of the sciences or in the history of science with experience in interviewing and archival duties. Contact: Dharma Kaur Khalsa, Personnel Representative, Lawrence Berkeley Laboratory, University of California, Berkeley, California 94720.

2. University of Delaware, Newark, Delaware 19711.

Description: The History Department of the University of Delaware will appoint a Historian of Technology in the fall of 1979 in association with the Eleutherian Mills-Hagley Foundation. The position involves half-time teaching at the University, including the supervision of M.A. and Ph.D. candidates, and research and curatorial responsibilities at the Hagley Museum. Rank will depend on qualifications and experience. Letters and resumes should be sent to Chair, Department of History, University of Delaware, Newark, DE 19711. An Equal Opportunity/Affirmative Action Employer.


Description: The Center for History of Physics seeks an archivist to work on a project to study documentation of postwar physics at government contract laboratories, in order to seek out and help preserve historically valuable records. The archivist will be employed for two years either part-time or full-time beginning fall of 1978 to conduct an in-depth study of records at Lawrence Berkeley Laboratory in Berkeley, California. The job involves working closely with administrators, scientists, record managers and others to survey existing records, study the history of the institution in order to identify gaps in the collection, analyze preservation procedures, and assist in considering procedures and guidelines for evaluating and processing scientific records. We seek an archivist with at least two years of experience (not necessarily with scientific records). Background in science or history of science would be valuable but not required. Salary will depend on qualifications. Those interested should send a vita and brief letter of application to: Joan N. Warnow, Associate Director, Center for History of Physics, American Institute of Physics, 335 East 45th Street, New York, New York 10017. American Institute of Physics is an equal opportunity employer.

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JOB INFORMATION

Individuals in colleges, universities, and other institutions having knowledge of possible or definite job openings are urged to relay such information to the Secretary of the Society, Dr. Sally Gregory Kohlstedt, as soon as possible for publication in the Newsletter. Such sharing of job information is consistent with the general sentiment that members of the HSS expressed on the desirability of open listings of available positions.

The positions listed are new openings that have been brought to the attention of the Secretary. Other new openings should also be brought to her attention as soon as possible. All inquiries should be addressed to the institution having the opening, and only serious and qualified persons should apply. It is assumed that the positions listed are in fact open at the time of publication. The Society, however, can assume no responsibility for the accuracy or currency of the listing.
4. Thomas A. Edison Papers, Rutgers of the State University of New Jersey, New Brunswick, New Jersey 08903.

Description: Assistant Professor in history of American science and technology to be associate editor of the Thomas A. Edison Papers. The appointee will do some teaching in the Department of History and will assist in the editing of the Edison papers. The Thomas A. Edison Papers is a joint project of the National Park Service, New Jersey Historical Commission, the Smithsonian Institution, and Rutgers University. Send v.v. to Reese V. Jenkins, Director and Editor, Thomas A. Edison Papers, 1 Richmond Street, Rutgers University, New Brunswick, New Jersey 08903.

5. School of Medicine, University of California, San Francisco, California 94143.

Description: School of Medicine, University of California, San Francisco 94143. A tenure track Assistant Professorship of medicine will become available as of July 1, 1979. Faculty members of the small Department of the History of Health Sciences, share in the teaching of undergraduate elective courses and graduate seminars. Applicants should have a Ph.D. degree in the history of health sciences and a broad background in the history of medicine. Research Interests should be in the history of European or Asian medicine. Send inquiries and resumes to Professor G. N. Brieger, U-406, University of California, San Francisco, California 94143. The University of California is an affirmative action/equal opportunity employer.


Description: A tenure-track position in the history of medieval or modern western science. The teaching assignment will include a well-established interdisciplinary course (jointly taught with a physicist and a philosopher) as well as general history courses. Rank and salary will be commensurate with qualifications. Send full documentation to Paul A. Carter, Department of History, University of Arizona, Tuscon, Arizona 85721. Deadline is November 13, 1978. The University is an Equal Opportunity/Affirmative Action Employer.

7. Indiana University, Bloomington, Indiana 47401.

Description: Additional applications are invited from candidates to fill a newly created position in the history of medicine. The position entails a joint appointment in the Departments of History and of the History and Philosophy of Science, as well as an adjunct association with the I.U. School of Medicine. The primary need is for someone to teach undergraduate and graduate courses in the development of the medical sciences. The candidate should also be attuned to the social, intellectual and cultural dimensions of medical history. The candidate should have an interest in cultivating regional history of medicine and fostering the use of the medical archives at the Indiana Historical Society. The position is open to all ranks. The reviewing process will continue through October 1978. Indiana University is an equal opportunity employer. Correspondence and applications should be sent to: Professor Frederick B. Churchill, Department of History and Philosophy of Science, 130 Goodbody Hall, Indiana University, Bloomington, Indiana 47401.


Description: (Head, Department of Social Sciences,) The Department of Social Sciences enrolls approximately fifty undergraduate majors in two degree programs, one a B.A., the other a B.S. There is, however, a large service load with some 1,300 students enrolled in any one term in courses in most of the traditional disciplines of the social sciences. The faculty numbers eighteen and most hold Ph.D. degrees in anthropology, geography, history, political science, psychology or sociology. Candidates should have an interest in directing the department in developing a strong general education program in the social sciences appropriate to a technological university, a record of research, publication, and professional activity in some single discipline appropriate to the department, and some familiarity with studies in society and technology or in the history of science. Applications will be accepted for the fall of 1979. Contact: William Powers, Dean, College of Science and Arts, Michigan Technological University, Houghton, Michigan 49931. Michigan Technological University is an equal opportunity educational institution/equal opportunity employer.

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The death of Dr. George H. M. Lawrence, 68, occurred in East Greenwich, Rhode Island on June 2, 1978. Dr. Lawrence was founding director of the Hunt Institute for Botanical Documentation, Carnegie-Mellon University, Pittsburgh, Pennsylvania.

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The History and Philosophy of Science Program has reported on actions taken in fiscal year 1978 (10/1/77-9/30/78). Ronald Overmann developed this data, some of which is summarized below. For information on philosophy, see the Philosophy of Science Association Newsletter.

### Program Overview

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* Includes one grant which was cancelled before it started because of transfer of Principal Investigator.

### Data on Projects in History

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### Data on Persons Applying in History

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#### By Years Beyond Ph.D.:

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### Period

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<td>30</td>
<td>46</td>
<td>46</td>
<td>45.1</td>
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</tbody>
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*Includes cancellations.
ADDITIONAL NOTICES

The second annual meeting of the Southern Association for History of the Sciences and Technology (SAHST) will be held on the campus of the University of Kentucky, Lexington, on April 7-8, 1979. Proposals both for individual papers (20 min., each) and for sessions of papers are invited. Presentations on teaching were an important part of last year's meeting and are again desired. Graduate students are encouraged to submit proposals. SAHST covers all areas of the sciences (including medicine) as well as technology. Please send proposals for papers or sessions to Bruce Eastwood, Department of History, Office Tower 1757, University of Kentucky, Lexington, Kentucky 40506.

The 1979 meeting of the Midwest Junta of the History of Science Society will be held March 22-24 on the University of Missouri-St. Louis Campus. Professor Jerry Hamann of the University of Kansas will be program chairman. For further information write: Dr. Jane A. Miller, Department of Chemistry, University of Missouri-St. Louis Campus, 8001 Natural Bridge Road, St. Louis, Missouri 63121.

The 100th anniversary of the birth of Albert Einstein will be commemorated by an international symposium in Jerusalem during March 14-23, 1979. The symposium is being organized by the Israel Academy of Sciences and Humanities, the Hebrew University of Jerusalem, the Van Leer Jerusalem Foundation, The Jerusalem Foundation and The Aspen Institute for Humanistic Studies. The first part of the ten-day conference will deal with broad scientific, historical, cultural and social perspectives of Einstein's work and influence, while the second part will be devoted to developments in gauge and unification theories. Among the themes which the approximately fifty invited lecturers will discuss, are: Einstein's Scientific Contributions; Perspectives on the History of Science; The Impact of Einstein's Ideas on Modern Thought; Einstein and Developments in the Jewish World; Einstein and the Nuclear Age; Working with Einstein: Reminiscences by Associates; Gauge Theories; Quantum Chromodynamics; Grand Unification Theories. Further information is available from the Israel Academy of Sciences and Humanities, P.O.B. 4040, Jerusalem, Israel. Toronto will be available for those who need them.

Requests to deliver a twenty minute paper should include a two hundred word abstract and a brief biographical statement. The deadline is March 1, 1979. As usual there will be a reception on Friday evening and a dinner following papers on Saturday. A further social event will be arranged for Sunday, April 22. For further information contact Dr. Pauline M. H. Majumdar, Jason A. Hannah Professor of the History of Medicine and Related Sciences or Professor Mary P. Winsor at Institute for the History of and Philosophy of Science and Technology, University of Toronto M5S 1A1 Canada.

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NOTES ON NEWS

The deadline for receipt of news for the January issue of the Newsletter is December 10. Please send all news items, written as concisely as possible to Dr. Sally Gregory Kohlstedt, Department of History, Maxwell School, Syracuse, New York 13210. As Secretary of the Society and Editor of the Newsletter, she is interested in membership opinion about coverage and welcomes suggestions.

The Newsletter of the History of Science Society is published in January, April, July and October, with supplements as necessary containing job information. Regular issues are sent free to individual members. Foreign members may receive their Newsletter by airmail by paying yearly postal costs of $5.00 (Western Europe) or $6.00 (elsewhere).

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ADDITIONAL JOB NOTICE

Iowa State University, Ames, Iowa 50011.
