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. Supplements are sent automatically to about ninety history of science departments and individuals, and will be sent to others on request. Non-members may subscribe to the Newsletter for $5.00 per year.

Please send all news items, written as concisely as possible, to the Secretary of the Society, Dr. Roger H. Stuewer, School of Physics and Astronomy, University of Minnesota, Minneapolis, Minnesota 55455. The deadline for receipt of news for the October issue is September 10, and THIS WILL BE THE ONLY CALL FOR NEWS THAT WILL BE ISSUED.

1977 ANNUAL MEETING OF THE HSS IN DALLAS (DECEMBER 28-30)

The 1977 Annual Meeting of the HSS will be held with the American Historical Association in Dallas, Texas, December 28-30, in the Hotel Adolphus. The Local Arrangements Chairman is Professor Claude Albritton, Dean of Libraries, Southern Methodist University, Dallas, Texas 75275. The Program Chairman is Professor Frank N. Egerton, Division of Social Sciences, University of Wisconsin-Parkside, Kenosha, Wisconsin 53140.

ANNUAL MEETING OF SOCIETY FOR THE HISTORY OF TECHNOLOGY (WASHINGTON, D.C., OCTOBER 20-22, 1977)

The 20th annual meeting of the Society for the History of Technology will be held October 20-22, 1977, in Washington, D.C. The Program Chairman is Dr. Robert C. Post, Smithsonian Institution, Washington, D.C. 20560. Suggestions for program sessions or individual papers should be sent to Dr. Post as soon as possible.

XVth INTERNATIONAL CONGRESS OF THE HISTORY OF SCIENCE (EDINBURGH, AUGUST 10-19, 1977)

The XVth International Congress of the History of Science will be held in Edinburgh, Scotland, August 10-19, 1977. For further information, please contact the Honorary Secretary, Dr. Eric G. Forbes, History Department, University of Edinburgh, 50 George Square, Edinburgh EH8 9JY, Scotland.

EDINBURGH TRAVEL SUPPORT RECEIVED

Thomas P. Hughes, Chairman of the U. S. National Committee for the History and Philosophy of Science, reports that the following Foundations and Corporations provided funds to support the travel of scholars participating in the XVth International Congress of the History of Science in Edinburgh, August 1977: American Council of Learned Societies, International Business Machine Corporation, National Science Foundation, Rockefeller Foundation (Humanities), and Sperry Gyroscope Company (Sperry Rand).
NSF Research proposals may be submitted anytime. Processing requires four to six months. To allow time for adequate planning, proposals should arrive no later than January 1 for funds needed in June-July; no later than April 1 for funds needed in September-October; and no later than September 1 for funds needed in January-February. For further information about the activities of the History and Philosophy of Science Program, write to Dr. Ronald J. Overmann, Assistant Program Director, History and Philosophy of Science, Division of Social Sciences, National Science Foundation, Washington, D.C. 20550 (phone 202-632-4182).

ABOLITION OF NSF SCIENCE POLICY RESEARCH PROGRAM

Effective October 1, 1977, the Science Policy Research Program in NSF's Division of Social Sciences will be abolished. Responsibility for review and evaluation of research proposals on topics previously assigned to this program will be assumed by the Sociology Program and the History and Philosophy of Science Program in the Division of Social Sciences or, where appropriate, by the policy research units of other offices such as the Directorate for Scientific, Technological, and International Affairs, or the Office of Planning and Resources Management. For further information, contact Dr. Herbert Costner, Division of Social Sciences (202-632-4286) or Dr. Ronald Overmann (202-632-4182).

SHORT COURSES ON HISTORY OF PHYSICAL SCIENCE

The Committee on Undergraduate Education (CUE) of the History of Science Society announces that short courses on the history of physical science since Newton will be offered at four locations on the East Coast in 1977-78. They are part of the series of "Chautauqua-type short courses for college teachers" run by the American Association for the Advancement of Science, with funds from the National Science Foundation. The course director will be Stephen G. Brush (University of Maryland), Chairman of CUE. In the Chautauqua-type short courses, participants attend a two-day session at a field center in October or November, receive instructional materials and plan to work on projects related to the course during the next three months. In February or March each class meets for a second two-day session when results of projects are exchanged and discussed. The course director presents recent developments in the subject and advises participants on incorporating them into their own teaching. "History of Physical Science since Newton" will be offered at the University of Hartford, Pennsylvania State University, the University of Maryland at College Park, and the University of Georgia at Athens. For further information and application forms, write to Chautauqua-Type Short Courses, Box HS, American Association for the Advancement of Science, 1776 Massachusetts Avenue, N. W., Washington, D.C. 20036.

COMMITTEE ON UNDERGRADUATE EDUCATION SEEKS STUDENT MEMBERS

The Committee on Undergraduate Education of the History of Science Society welcomes nominations (including self-nominations) of new members for the Committee. Students (both undergraduate and graduate) are especially needed at present. In addition to willingness to participate in the work of the committee, members should be able to attend both the Dallas meeting in December 1977 and the Madison meeting in October 1978. Please contact the Chairman of the Committee, Professor Stephen G. Brush, Institute for Physical Science and Technology, University of Maryland, College Park, Maryland 20742 (phone 301-454-2723).

NATIONAL HUMANITIES CENTER

The National Humanities Center has been created to encourage advanced studies in the humanities, to bring humanistic scholars together with scholars in other disciplines and with men of learning in various fields of professional activity, and to enhance the
usefulness and influence of the humanities in the American civic process. It is a response to the widely felt need within the academic world to give the humanities renewed emphasis and visibility, and to the growing recognition within the country at large that the humanities offer resources not yet fully tapped for public enlightenment and the imaginative understanding of public issues. The Center interprets "humanistic" to mean a way of approaching a subject--a concern for the assumptions and methods introduced by the human mind in its encounter with the subject, an emphasis on its context in human history and experience, a focus on its significance in the understanding of the human drama. The Center's fellowships will be open to humanistically inclined scholars in the natural and social sciences and the professions as well as to scholars in the fields conventionally identified with "the humanities."

The Center will open in September, 1978, in a new building specially designed for its use in the Research Triangle Park, in the Raleigh, Durham, Chapel Hill area of North Carolina. The facilities of the libraries at Duke University, the University of North Carolina at Chapel Hill, and North Carolina State University will be available to its Fellows. The Center will accept approximately twenty-five Fellows in 1978. It expects to reach its full complement of approximately fifty Fellows in 1980. In general, the Center will provide stipends to Fellows that will match their normal academic income plus the expenses incident to moving to the Center. In some cases, funds for research assistance may be available. Recipients of fellowships or other forms of financial support from sources other than the Center are eligible to apply. The Center will assist Fellows and their families in finding suitable housing in the neighboring university communities. The normal term of a Fellowship will be nine months, from September through May, but a few short-term Fellowships will also be available. Fellowships for the period 1978-80 will be available in the following categories: (1) Fellowships for senior scholars pursuing individual research; (2) Fellowships for scholars who have held their Ph.D.'s for not less than six years nor more than nine, and who are embarking on their first large-scale projects; (3) Fellowships for scholars whose work falls in one of the following general areas: (a) Man and Nature; (b) History and the History of Ideas; (c) The Theory of Interpretation; (d) Ideals of Education; and (e) Human Rights, Liberty and Equality, Moral Theory and Democracy. For further information, write to National Humanities Center, P.O. Box 12256, Research Triangle Park, North Carolina 27709. The National Humanities Center admits Fellows of any race, color, or national or ethnic origin.

SMITHSONIAN INSTITUTION ARCHIVES RECENT ACCESSIONS

The Smithsonian Institution Archives has recently accessioned the records of the Division of Graphic Arts, National Museum of History and Technology, 1887-1969 and undated (5 cubic feet); records of the Division of Mammals, National Museum of Natural History, ca. 1882-1971 (22.7 cubic feet); records of the Division of Echinoderms, U.S. National Museum, 1920-1953 (0.5 cubic foot); records of the Taxidermist, U.S. National Museum, 1883-1889 (0.6 cubic foot); records of the Division of Fishes, U.S. National Museum, 1865-1941 (4.7 cubic feet); Letters of Detail, Assistant Secretary in Charge, U.S. National Museum, 1936-1948 (0.3 cubic foot); Logs of Letters to be Initialled, Division of Minerals and Mechanical Technology, ca. 1900-1921 (0.6 cubic foot); records of the Smithsonian Institution Library, 1862-1951 (6.3 cubic feet); records of the Office of International and Environmental Programs, 1962-1975 (21.8 cubic feet); records of the Division of Marine Invertebrates, 1853-1962 (20.3 cubic feet); George P. Merrill Collection, ca. 1800-1930 (5.0 cubic feet); Henry Cushier Raven Field Journal, 1912-1914 (0.1 cubic foot); Edmund Heller Papers, ca. 1898-1918 (3.5 cubic feet); Henry Weed Fowler Manuscripts, ca. 1920, 1930-1941 (6.3 cubic feet); Frederick William True Papers, 1887-1910 (1.0 cubic feet); Clinton Levi Merriam Journals and Album, ca. 1848-1899 (1 cubic foot); Austin H. Clark Papers, 1907-1954 (6.7 cubic feet); records of the Bureau of Fisheries, United States
Department of Commerce, ca. 1877-1948 (8.6 cubic feet); records of the Biological Society of Washington, ca. 1880-1972 (5 cubic feet); United States Exploring Expedition Papers, ca. 1838-1885 (2 cubic feet); Isaac Ginsburg Papers, ca. 1911-1919, 1924-1958 (2.3 cubic feet); Oliver Perry Hay Papers, 1911-1930 (1.3 cubic feet); William Dunlop Brackenridge Papers, ca. 1838-1875 (0.3 cubic foot); Charles Frederic Girard Papers, ca. 1850-1860 (0.3 cubic foot); George Suckley Papers, 1849-1861 (0.4 cubic foot); Lucien M. Turner Papers, ca. 1862-1887, undated (0.6 cubic foot); James Templeman Brown Manuscript, ca. 1863-1884 (0.1 cubic foot); Carl H. Berendt Papers, ca. 1875 (1 folder); and George Dimmock Papers, ca. 1905-1906 (1 folder). For further information, contact Mr. James A. Steed, Assistant Archivist, Smithsonian Institution Archives, Washington, D.C. 20560.

HISTORY OF PSYCHOLOGICAL APPARATUS PROJECT

Dr. Rand Evans in the Department of Psychology at Texas A&M University is continuing a project begun some years ago to catalogue the various types of apparatus commonly used in demonstration and research work in psychology between 1880-1940. The project entails microfilming as many apparatus catalogues as possible from this period and then organizing the different families of apparatus into instrument types, finally tracing the different forms of each instrument type. At present, over 100 catalogues have been microfilmed.

If anyone has in their possession a catalogue of apparatus within this time period and would be willing to allow it to be microfilmed, or if anyone knows of catalogues in their college libraries (they often appear there under headings like "Instruments", "Devices" as well as apparatus) and would be willing to provide their titles and library reference numbers, please contact Dr. Rand B. Evans, Department of Psychology, Texas A&M University, College Station, Texas 77843.

AAAS COMMITTEE ON SCIENTIFIC FREEDOM AND RESPONSIBILITY

The AAAS Committee on Scientific Freedom and Responsibility is undertaking a range of activities directed towards resolving value conflicts between individual scientists or engineers and the society in which they work. The Committee is reviewing individual cases involving allegations of infringement of scientific freedom in the United States and foreign countries, and is also developing materials which address the broader patterns of value conflicts in the areas of professional and social responsibilities, the boundaries of scientific freedom, and science education. For further information write to the Chairman of the Committee, Dr. H. Bentley Glass, American Association for the Advancement of Science, 1776 Massachusetts Avenue, NW, Washington, D.C. 20036.

NATIONAL MARITIME MUSEUM CONFERENCES (GREENWICH, ENGLAND, JULY 11-14, AUGUST 22-24, SEPTEMBER 29-30, 1977)

The National Maritime Museum is planning three conferences and symposia in 1977, all to be held at Greenwich, England. In association with the Research Laboratory for Archaeology and the History of Art, Oxford, there will be an international symposium on "Dendrochronology in Northern Europe" from July 11-14. Dendrochronology, or the study of the chronological sequence of annual growth rings in trees, was used in establishing the date of what was for many years commonly held to be King Arthur's Round Table for Winchester, late in 1976. The symposium from August 22-24 on "Scientific instruments: their social and economic settings" is in association with the British Society for the History of Science, of which the Museum's Deputy Director, Mr. D. W. Waters, is President this year. From September 29-30 there will be a symposium on the "Use of Derelict Docks and Harbours", which will review work accomplished and projected in Britain, the USA, and Europe. For further information, please contact the National Maritime Museum, Greenwich, London SE10 9NF, England.
MEETING OF AMERICAN CHEMICAL SOCIETY DIVISION OF HISTORY OF CHEMISTRY
(Chicago, August 28-September 2, 1977)

In addition to general papers, the ACS Division of the History of Chemistry will be sponsoring two symposia. The first is entitled, "Archaeological Chemistry", and further information on it may be obtained from Dr. Giles Carter, Department of Chemistry, Eastern Michigan University, Ypsilanti, Michigan 48197. The second is entitled "Chemotherapy", and further information on it may be obtained from Dr. Tonja Koeppel, Department of Physical Sciences, Ocean County College, Toms River, New Jersey 08753. For general inquiries concerning Division programs, contact Professor O. B. Ramsay, Program Chairman, Division of the History of Chemistry, Department of Chemistry, Eastern Michigan University, Ypsilanti, Michigan 48197.

HISTORY OF GEOLOGY ANNUAL MEETING (Seattle, November 7-9, 1977)

The next Annual Meeting of the History of Geology Division of the Geological Society of America will be held in Seattle, Washington, November 7-9, 1977. A Symposium on "Geology of the Early Explorers in Western North America" is being organized by Professor George W. White and Dr. Clifford Nelson, who have been appointed members of a Program Committee. For further information, please contact Professor White, Department of Geology, 254 Natural History Building, University of Illinois at Urbana-Champaign, Urbana, Illinois 61801.

MISSOURI VALLEY HISTORY CONFERENCE (Omaha, Nebraska, March 9-11, 1978)

The twenty-first annual Missouri Valley History Conference will be held in Omaha, Nebraska, March 9-11, 1978. The papers and sessions will relate to the traditional topic and area studies as well as quantification, psychohistory, teaching methodology, research tools and techniques and interdisciplinary studies. Proposals should be submitted by August 15 to Professor Jacqueline St. John, Department of History, University of Nebraska at Omaha, Omaha, Nebraska 68101.

JOINT ATLANTIC SEMINAR IN THE HISTORY OF THE PHYSICAL SCIENCES (Troy, New York, April 7-8, 1978)

The fifth annual meeting of the Joint Atlantic Seminar in the History of the Physical Sciences will be held April 7-8, 1978, at the Rensselaer Polytechnic Institute in Troy, New York. Papers in the history of the physical sciences from the eighteenth to the twentieth centuries are solicited. The meeting will also include workshop/discussion sections, and anyone wishing to organize and lead one is encouraged to make a proposal at this time. Please contact Professor Leonard Reich, Department of History, Rensselaer Polytechnic Institute, Troy, New York 12181.

SIXTH BIENNIAL MEETING OF THE PHILOSOPHY OF SCIENCE ASSOCIATION (San Francisco, October 28-30, 1978)

The Philosophy of Science Association will hold its Sixth Biennial Meeting at the Jack Tar Hotel, San Francisco, October 28-30, 1978. The program will include symposia and invited papers as well as sessions devoted to the presentation of contributed papers. Contributed papers will be pre-printed as the first volume of PSA 1978. The symposia and invited papers will be printed later as the second volume. The submission of contributed papers on any topic in the philosophy of science are welcome. Maximum length is 3500 words and the closing date for submission is March 1, 1978. Two copies, each including a 100 word abstract, should be prepared in double space typescript. Blind refereeing will be used, so that the author's name and institution must be on a separate cover page. These materials should be sent to the Chairman of the Program Committee, Professor Ian Hacking, Department of Philosophy, Stanford, California 94305.
PSA is primarily interested in papers that the authors believe are ready for publication. However, papers involving work in progress which the author wishes to present at the meeting but for which publication in the proceedings would be premature will also be considered. When submitting such a paper the author should indicate that the paper is not ready to be considered for publication and is being submitted for possible presentation only. Authors of accepted papers which are to be published will be responsible for completing a camera-ready typescript. Copies of the instructions are available upon request from the PSA Business Office, 18 Morrill Hall, Department of Philosophy, Michigan State University, East Lansing, Michigan 48824. The deadline for receipt of the camera-ready copy will be June 15, 1978. Authors of papers accepted for presentation will be asked to provide a 500 word abstract by June 15.

REPORT ON ANNUAL MEETING OF OHIO ACADEMY OF MEDICAL HISTORY
(COLUMBUS, MAY 7, 1977)

The President of the Academy, Richard L. Meiling, M.D., presided over a program consisting of the following speakers and papers: Chester P. Swett, M.D., (Lancaster, Ohio), "The Family Origins of George W. Boerstler, M.D."; Ralph W. Dexter, (Kent State University), "Some Cabinets of Natural History Sponsored by Medical Schools"; A. Clair Siddall, M.D., (Oberlin, Ohio), "The History of Homeopathy at Oberlin, Ohio, 1833-1933"; and Kay Barkley, (Jewish Hospital, Cincinnati), "Some Ambulances Throughout History.

REPORT ON SIXTH ANNUAL MEETING OF ISCSC(U.S.)
(HAVERHILL, APRIL 14-17, 1977)

The sixth annual meeting of the International Society for the Comparative Study of Civilizations (U.S.) was held at Bradford College, Haverhill, Massachusetts, April 14-17, 1977. Twenty sessions were held over the four-day period. The Society's distinguished speaker for the sixth annual meeting was Immanuel Wellerstein, of the State University of New York at Binghamton, who spoke on "Civilizations and Modes of Productions: Conflicts and Convergences." The dates and location for the seventh conference of the Society (spring 1978) will be announced shortly; those interested in participating should contact either Professor Vytautas Kavolis, Department of Sociology, Dickinson College, Carlisle, Pennsylvania 17013, or Professor Edmund Leites, Department of Philosophy, Queens College, Flushing, New York 11367.

REPORT ON MEETING OF WEST COAST HISTORY OF SCIENCE SOCIETY
(SANTA BARBARA, APRIL 30, 1977)

The West Coast History of Science Society held its only meeting of the 1976-77 academic year on April 30 at the University of California at Santa Barbara. The following papers were presented: Stanislaus J. Dundon (California Polytechnic, San Luis Obispo), "The Trajectory of Essentialism from Newton to D'Alembert"; Michael Prendergast (University of California, Los Angeles), "James Dwight Dana's Philosophy of Science"; Wendy Allen (Rand Corporation), "Nuclear Reactors for Generating Electricity: U. S. Development, 1946-1963"; Carolyn Harding (University of California, Los Angeles), "The Controversy over the Genetic Effects of Radiation, 1954-1956"; Karl Hufbauer (University of California, Irvine), "Nuclear Physics and Cancer Therapy in the 1930's"; and Harold Burstyn (U.S. Geological Service), "The History of Science by Land and by Sea." Next year's meetings are tentatively scheduled for late October at Stanford University and for June 1978 in Seattle (with the Pacific Division of the AAAS). Anyone wishing to join or to get further information about future meetings of the WCHSS should write to its Secretary-Treasurer, Richard Olson, Department of Humanities and Social Sciences, Harvey Mudd College, Claremont, California 91711.

REPORT ON SYMPOSIUM ON THE HISTORY OF NUCLEAR PHYSICS
(MINNEAPOLIS, MAY 18-21, 1977)

A Symposium on the History of Nuclear Physics was held at the University of Minnesota, Minneapolis, May 18-21, 1977, under the sponsorship of the University's history of science
and technology program. The Organizing Committee consisted of Maurice Goldhaber (Brookhaven National Laboratory), Morton Hamermesh (Minnesota), Edwin M. McMillan (Berkeley), Alfred O. Nier (Minnesota), Roger H. Stuewer (Minnesota), and Spencer R. Weart (AIP Center for History of Physics). Alfred O. Nier presided over the opening session on the evening of May 18, which included welcoming remarks by Henry Koffler (Vice President for Academic Affairs, University of Minnesota) and a lecture by Hans A. Bethe (Cornell University), "The Happy Thirties." William A. Fowler (California Institute of Technology) presided over the May 19 morning session, which consisted of lectures by Emilio G. Segre (University of California, Berkeley), "Nuclear Physics in Rome" and Otto R. Frisch (University of Cambridge), "Experimental Work with Nuclei: Hamburg, London, Copenhagen." Herman Feshbach (Massachusetts Institute of Technology) chaired the afternoon session, consisting of a lecture by Maurice Goldhaber (Brookhaven National Laboratory), "The Nuclear Photo-Electric Effect." On Friday morning, May 20, H. E. Barschall (University of Wisconsin) presided; there were two lectures, Edwin M. McMillan (University of California, Berkeley), "The Early History of Particle Accelerators" and Eugene P. Wigner (Princeton University), "The Neutron: The Impact of its Discovery and its Uses." Robert Serber (Columbia University) chaired the afternoon session, consisting of a lecture by Sir Rudolf Peierls (University of Oxford and University of Washington), "The Development of Our Ideas on Nuclear Forces." R. R. Wilson (Fermi National Accelerator Laboratory) chaired the concluding session on Saturday morning, consisting of a lecture by John A. Wheeler (Princeton University and University of Texas at Austin), "Some Men and Moments in the History of Nuclear Physics: The Interplay of Colleagues and Motivations." Each lecture was followed by approximately a one-half hour discussion period, and all of the lectures were videotaped for possible future classroom use at Minnesota and other institutions. The proceedings will also be published by the University of Minnesota Press. Approximately forty-five eminent nuclear physicists, historians of physics, and graduate students in the history of physics came to the Symposium as invited participants. At the close of the session on Thursday, May 19, the Bakken Foundation, Minneapolis, sponsored a reception, and on Friday evening a banquet was held in the Marquette Inn, Minneapolis. Copies of the program are available from Roger H. Stuewer, School of Physics and Astronomy, University of Minnesota, Minneapolis 55455.

REPORT ON ETHICAL PROBLEMS IN ENGINEERING AND APPLIED SCIENCE CONFERENCE (NEWARK, JUNE 16-18, 1977)

A Conference on "Ethical Problems in Engineering and Applied Science" was held at the University of Delaware, Newark, June 16-18, 1977. The lead address on Thursday evening, June 16, was given by Edwin T. Layton (University of Minnesota), "Historical Perspective on Problems of Engineering Ethics." Two Symposia were held Friday morning, on "Technology in the Philosophy of Hans Jonas," and on "Philosophy and Biomedical Research Policy." On Friday evening there was a panel discussion by Robert Baum (Rensselaer Polytechnical Institute), George Basalla (University of Delaware), Robert Samuels (Hercules Research Center), and Len Bilen (Hewlett-Packard Company) on "Conflicting Perspectives on Ethical Problems in Engineering and Applied Science." On Saturday morning there was a final Symposium on "The Citizen, Public Interest Science Groups, and Technological Decisions." Copies of the program may be obtained from J. Cameron Yorkston, Division of Continuing Education, University of Delaware, Newark 19711.

HISTORY OF SCIENCE AT MOORHEAD STATE UNIVERSITY

The National Science Foundation has awarded a grant to Moorhead State University, Moorhead, Minnesota 56560, under its Local Course Improvement program to allow a team of faculty members, under the direction of Professor Walter G. Wesley, Department of Physics and Astronomy, to redesign the University's offerings in the history of science. A new full-year course for undergraduates will be developed. It will be multi-disciplinary
and topical, presenting three basic units: "The Scientific Revolution," the "Chemical-Biological Revolution," and "Modern Atomism." Each unit will focus on the scientific developments of the period as well as their societal aspects and applications. An integral part of each course will be a laboratory in which some of the important experiments and observations will be repeated with apparatus which closely resembles the original. The courses will be offered to both science and non-science majors.

HISTORY OF SCIENCE AT UNIVERSITY OF SAN FRANCISCO

Professor Carolyn Iltis has received a pilot grant from the National Endowment for the Humanities to develop a multi-disciplinary lecture-project course at the University of San Francisco on "Technological Culture and the Human Prospect." The grant runs for the calendar year 1977 and includes a faculty seminar in the spring semester and the teaching of the pilot course to students in the fall of 1977.

JOINT PH.D. PROGRAM IN PHILOSOPHY AND HISTORY OF SCIENCE
AT UNIVERSITY OF WISCONSIN

A joint Ph.D. program in Philosophy and History of Science has been approved by the University of Wisconsin, Madison, Graduate School. The program, which will be administered by an interdepartmental committee, will allow a student to split his/her work between the two fields, while designating one or the other for primary emphasis and writing a dissertation in that area. Persons interested in learning more about the program can obtain a description of it from the office of the History of Science Department, University of Wisconsin, Madison 53706.

EINSTEIN FILM AVAILABLE

The film, "A Portrait of Albert Einstein," has been produced by Dr. Francis S. Lestingi, under a grant from the State University of New York Faculty Grants for the Improvement of Undergraduate Instruction. By means of a unique cinematographic montage technique the tape artfully blends hundreds of images of Albert Einstein into a deeply humanistic portrait of his life, his work, and his times. Produced in honor of the Centennial Anniversary of Einstein's birth in 1979, the 28 minute monochromatic production is scored entirely with the music of Mozart. The film is available on videotape. A 30 minute 3/4" cassette or open reel videotape can be used for duplication. To obtain a copy, send a blank 30 minute 3/4" cassette or 30 minute open reel videotape with return postage to: Dr. Francis S. Lestingi, State University College, 1300 Elmwood Avenue/NS 133, Buffalo, New York 14222.

HSS COMMITTEE ON WOMEN 1976-1977 JOB MARKET SURVEY

The History of Science Society Committee on Women in History of Science has completed their job market survey for the 1976-1977 academic year. A chart summarizing that survey is appended to the end of this report (p. 10). Twenty institutions were sent questionnaires inquiring about 24 positions which were advertised in the HSS Newsletter between November 1975 and October 1976. Fifteen institutions replied, providing information on 17 of the available positions. One of those positions, that of sociologist of science at the University of Pennsylvania, was found to be not applicable to this report. The results of this survey show that the percentage of female applicants and the percentage of females offered and accepting jobs has increased since 1973-1974 (see HSS Newsletter IV [1] (1975), pp. 8-10). The percentage of female applicants in each instance ranged from 0% to 40%, with an average of 20%. Women accepted and were offered a large number of the available positions: they were offered 6 out of 16 positions, or 37 1/2%; and they filled 5 out of 15 positions, or 30%. (The anomalous case here is that of the University of Michigan, where a woman was offered the position but turned it down. Michigan is continuing their search.)

There are also important qualitative results of the survey. First, private
I

communiques and the solicitation of lists of graduate students nearing completion of their degree played an important role in the advertising campaigns for many positions. This implies that personal contacts and institutional affiliation are important factors in the competition for some positions. It is well known that many positions acquired by recent and near Ph.D.'s in the past few years were acquired by private arrangement and not by responding to an advertisement. This emphasis on personal contacts questions the value of circulated lists such as the Roster of Women in History of Science, which was found to be out of date, vague, tedious to read, and generally not useful to over half of the institutions responding to this survey. The combination of these factors—the emphasis on personal contacts, the existence of unadvertised positions, and the unpopularity of lists such as the Roster—suggests that more must be done to persuade institutions to publicly advertise all available positions in history of science in order to create a fair and open competition for all those seeking a position.

Second, despite statements to the contrary, many institutions would hire a highly qualified ABD applicant. However, the majority of institutions surveyed preferred and therefore hired applicants who already had their degree.

Third, only a few institutions offered advice for those on the job market. They advised that applicants not be overly specialized.

Finally, a number of institutions reported that they would have openings in the near future: the University of Michigan (history of medicine, tenure-line), Caltech (half time staff member to work in special collections), AIP Center for History of Physics (temporary research associate), University of Chicago (possible opening in history of medicine), University of Kansas (history of science), and the U.S. Energy Research and Development Administration.

This report has been compiled and written by Kathryn Olesko (Cornell University) for the HSS Committee on Women in History of Science, Joan N. Warnow (AIP Center for History of Physics), Chairperson. It will be followed up by a survey of the job market for 1977-1978. The HSS Committee on Women wishes to thank those who participated in the survey.

AHA PUBLICATIONS ON WOMEN HISTORIANS

The American Historical Association makes available two publications relating to women historians: (1) Directory of Women Historians, October 1975, $4 for members, $6 for non-members; Supplement to first edition, 1976, $2 members, $3 non-members; and (2) A Survival Manual for Women (and Other) Historians, November 1975, $1 members, $2 non-members. Both publications may be obtained by writing to AHA Publications, 400 A Street, SE, Washington, D. C. 20003.

BOOKS RECEIVED BY ISIS: JANUARY-FEBRUARY 1977

Juan Aréchaga; Guillermo Olagüe; Luis Gracia Ballester, La introducción de la teoría celular en España. Edición facsímil del Tratado de Ovología (Granada, 1853) de Mariano López Mateos (1800-1863). Prólogo por Miguel Guirao Pérez. (Historia de la Medicina y de la Ciencia, Colección Monográfica Universidad de Granada, 48.) 200 pp., 4 plts., bibl., glossary. Granada: Universidad de Granada, 1976. 300 pesetas (paper).


<table>
<thead>
<tr>
<th>Permanent or Tenure-line Positions</th>
<th>Field</th>
<th>Level</th>
<th>No. Appl.</th>
<th>Male</th>
<th>Female</th>
<th>Ph.D's</th>
<th>ABD's</th>
<th>Hired</th>
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<td>Physics</td>
<td>Ass't Prof.</td>
<td>140</td>
<td>126</td>
<td>14</td>
<td>95</td>
<td>45 Female, Ph.D.</td>
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<td>Ass't Prof.</td>
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<td>7</td>
<td>1</td>
<td>3</td>
<td>1</td>
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</tr>
<tr>
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<td>Tech.</td>
<td>Ass't Prof.</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<td>Male, ABD</td>
</tr>
<tr>
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<td>22</td>
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<td>2</td>
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<td>U. Michigan</td>
<td>Medicine</td>
<td>-</td>
<td>50</td>
<td>30</td>
<td>20</td>
<td>50</td>
<td>No one</td>
<td></td>
</tr>
<tr>
<td>US-Geological Survey</td>
<td>Geology</td>
<td>Historian</td>
<td>46</td>
<td>38</td>
<td>8</td>
<td>36</td>
<td>10</td>
<td>Male, Ph.D.</td>
</tr>
<tr>
<td>World Science Education*</td>
<td>Hist.</td>
<td>Mang.Ed. &amp; 2</td>
<td>50</td>
<td>30</td>
<td>20</td>
<td>50</td>
<td>No one</td>
<td></td>
</tr>
<tr>
<td>(Fusion Energy Corp.)</td>
<td>Sci.</td>
<td>Ass't Ed.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Male, ABD</td>
</tr>
<tr>
<td>U. New Hampshire*</td>
<td>Psych.</td>
<td>Ass't Prof.</td>
<td>12</td>
<td>6</td>
<td>1</td>
<td>3</td>
<td>1</td>
<td>Female</td>
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<th>Temporary Positions</th>
<th>Field</th>
<th>Level</th>
<th>No. Appl.</th>
<th>Male</th>
<th>Female</th>
<th>Ph.D's</th>
<th>ABD's</th>
<th>Hired</th>
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<tr>
<td>Cal Tech</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Female</td>
</tr>
<tr>
<td>Case Western Reserve</td>
<td>Tech.</td>
<td>Ass't Prof.</td>
<td>8</td>
<td>7</td>
<td>1</td>
<td>3</td>
<td>1</td>
<td>Male, Ph.D.</td>
</tr>
<tr>
<td>AIP Center for Hist. Phys.</td>
<td>Physics</td>
<td>R.A.</td>
<td>58</td>
<td>51</td>
<td>7</td>
<td>6</td>
<td>26</td>
<td>6</td>
</tr>
<tr>
<td>AIP Center for Hist. Phys.</td>
<td>Physics</td>
<td>R.A.</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>UCLA</td>
<td>Phys. or Social Sci.</td>
<td>Ass't Prof.</td>
<td>18</td>
<td>12</td>
<td>6</td>
<td>5</td>
<td>7</td>
<td>1</td>
</tr>
<tr>
<td>U. Chicago</td>
<td>Med.-Bio.</td>
<td>Ass't Prof.</td>
<td>30</td>
<td>24</td>
<td>6</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Harvard</td>
<td>Hist.Sci.</td>
<td>Ass't Prof.</td>
<td>44</td>
<td>35</td>
<td>9</td>
<td>3</td>
<td>15</td>
<td>13</td>
</tr>
<tr>
<td>Iowa State*</td>
<td>Sci. &amp; Tech.</td>
<td>Ass't Prof.</td>
<td>44</td>
<td>35</td>
<td>9</td>
<td>3</td>
<td>15</td>
<td>13</td>
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<tr>
<td>U. of Kansas</td>
<td>Physics</td>
<td>Ass't Prof.</td>
<td>40</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>U. of Pennsylvania</td>
<td>Sociology of Sci.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<td>Smithsonian Inst.</td>
<td>History</td>
<td>R.A.</td>
<td>150</td>
<td>90</td>
<td>60</td>
<td>-</td>
<td>almost all</td>
<td>Male, no Ph.D.</td>
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<td>Union College*</td>
<td>Medicine</td>
<td>Disting. Lecturer</td>
<td>9</td>
<td>9</td>
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<td>2</td>
<td>7</td>
<td>0</td>
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<tr>
<td>U.S.-ERDA</td>
<td>Tech.</td>
<td>2 Senior Visiting Research Scholars</td>
<td>9</td>
<td>9</td>
<td>0</td>
<td>2</td>
<td>7</td>
<td>0</td>
</tr>
</tbody>
</table>

*Did not reply to questionnaire.
1A woman was offered the position but she turned it down. 2Female semifinalist withdrew.
3Special collections librarian. 4Female applicant withdrew.
5Field makes this position not applicable to this report.
6First choice, a woman, turned down the offer.
BOOKS RECEIVED BY ISIS: JANUARY-FEBRUARY 1977 (CONTINUED)


Marjorie Nice Boyer, Medieval French Bridges: A History. (Medieval Academy of America Publication No. 84.) xii + 236 pp., 18 illus., bibl. Cambridge, Mass.: Mediaeval Academy of America, 1976. $12 ($9.50 to members of the Academy and Speculum subscribers).


Simon Mitton, Exploring the Galaxies. 206 pp., 22 plts., 36 illus., bibl., index. New York: Scribner's, 1976. $12.


Jean Wilson Sidar, George Hammell Cook: A Life in Agriculture and Geology, 1818-1889. xvi + 282 pp., illus., index. New Brunswick, N.J.: Rutgers Univ. Press, 1977. $11.95.

Murphy D. Smith, Oak from an Acorn: A History of the American Philosophical Society Library 1770-1803. xv + 291 pp., index. Wilmington, Del.: Scholarly Resources, 1976. $15.


Elías Trabulse, Ciencia y religion en el siglo XVII. (Centro de Estudios Históricos, Neuve Série, 18.) vii + 286 pp., illus., bibl., index. Mexico City: El Colegio de México, 1974.


BOOKS RECEIVED BY ISIS: MARCH-APRIL 1977

A. V. Akhutin, Istoriia printsipov fizicheskogo eksperimenta, og antichnosti do XVII V. (History of the principle of physical experiment, from antiquity to the 17th century) 292 pp. Moscow: Izdatelstvo "Nauka" (Institute of the History of Science and Technology, USSR Academy of Science), 1976. 1 ruble 61 kopeks.


David Bloor, Knowledge and Social Imagery. (Routledge Direct Editions.) xi + 156 pp., bibl., index. London/Boston: Routledge and Kegan Paul, 1976. £3.25, $7.50 (paper).


Ralph Colp, Jr., To Be an Invalid: The Illness of Charles Darwin. xiii + 285 pp., illus., index. Chicago/London: Univ. of Chicago Press, 1977. $15 (until July 1, $17.50 thereafter).


Armin Hermann, Werner Heisenberg 1901-1976. 146 pp., illus., bibl., index. Bonn/Bad Godesberg: Inter Nationes, 1976.


Peter K. Machamer; Robert G. Turnbull (eds.), Motion and Time, Space and Matter: Interrelations in the History of Philosophy and Science. xii + 559 pp., subject and name indexes. Columbus: Ohio State Univ. Press, 1976. $22.50.


Larry Murphy, Thomas Keefer. (The Canadians Series.) 64 pp., illus., bibl. Don Mills, Ont., Canada: Fitzhenry and Whiteside, 1977. (paper).


The Planispheric Astrolabe. 56 pp., illus., index, plus kit for constructing cardboard astrolabe model. Greenwich: National Maritime Museum, 1976. £1 (booklet), £.75 (astrolabe kit).

Max Planck. A Bibliography of His Non-Technical Writings. (Berkeley Papers in History of Science, 1.) v + 69 pp. Berkeley: Office for History of Science and Technology, Univ. of California, 1977. $2 (paper).

Robert Charles Post, Physics, Patents, and Politics: A Biography of Charles Grafton Page. 227 pp., bibl., illus., index. New York: Science History Publications, 1976. $15.95.


A. N. Shamin, Istoriia khemii belka. (History of albumin chemistry) 349 pp., illus., index. Moscow: Izdatelstvo "Nauka" (Institute of the History of Science and Technology, USSR Academy of Science), 1977. 1 ruble 82 kopeks.


OTHER PUBLICATIONS

M. C. LaFollette, ed., The Citizens and Science Almanac and Annotated Bibliography (Bloomington, Indiana: The Poynter Center on American Institutions, 1977), 149 pp., $2.50.

Historical Series of the Bulletin of the British Museum (Natural History). Beginning with G. L. Wilkins' Catalogue and Historical Account of the Sloane Shell Collection, in 1953, this series now contains 27 items, ranging from notes by Charles Darwin on various topics to a history of the libraries, manuscripts, and drawings in the Museum. A list with prices may be obtained from the Museum, Cromwell Road, London SW7 5BD, England.

HISTORY OF ECOLOGY REPRINT SERIES

A collection of 55 volumes on the history of ecology is being reprinted in August by Arno Press. It is compiled by Frank N. Egerton, University of Wisconsin-Parkside, with the assistance of Robert P. McIntosh, University of Notre Dame, and John Lussenhop, University of Illinois-Chicago Circle. All aspects of ecology, including oceanography and limnology, are covered for the period 1700 to 1940. A descriptive brochure is now available from Arno Press, 3 Park Avenue, New York, New York 10016.

COLUMBIA UNIVERSITY SOCIETY OF FELLOWS IN THE HUMANITIES

The Columbia Society of Fellows in the Humanities, with grants from the Andrew W. Mellon Foundation and the William R. Kenan Trust, will appoint a number of post-doctoral fellows in the humanities for the academic year 1978-1979. Fellows newly appointed for 1978-1979 must have received the Ph.D. between 1 January 1976 and 1 July 1978. The stipend is $13,500—one half for independent research and one half for interdepartmental teaching, probably with modest additional grants. Application forms can be obtained by writing to the Director, Room 803, International Affairs Building, Columbia University, New York, New York 10027. The deadline for receipt of completed application forms is November 1, 1977.

FELLOWSHIP IN ELECTRICAL HISTORY AVAILABLE FOR 1978-79

The IEEE Life Members Fund has established a new fellowship in electrical engineering history for 1978-1979. A one-year award of $8500 will be made to a full-time graduate student in the field of electrical engineering history. The recipient will be selected by a History Fellowship Committee on the basis of Graduate Record Examination scores, college transcripts, letters of recommendation and information contained in the application. The award will be conditional on acceptance of the candidate into an appropriate graduate program at a school of recognized standing. Students with undergraduate degrees in engineering as well as those having degrees in the sciences or humanities are invited to apply. The deadline for receipt of applications by the Fellowship Committee is February 1, 1978. Application forms may be obtained from Reed Crone, Secretary of the IEEE History Committee, IEEE Headquarters, 345 East 47 Street, New York, New York 10017.

THE GLADYS KRIEBLE DELMAS FOUNDATION FELLOWSHIPS FOR VENETIAN RESEARCH

The Gladys Krieble Delmas Foundation announces its 1978-79 program of pre-doctoral and post-doctoral fellowships for Research in Venice, Italy. The following areas of study will be considered: the history of Venice and the former Venetian empire in its various aspects--art, architecture, archaeology, theatre, music, literature, natural science, political science, economics, the law; also studies related to the contemporary Venetian environment such as ecology, oceanography, urban planning, and rehabilitation. Applicants must be citizens of the United States and have some experience in advanced research. Applications for the first grants should be received by January 15, 1978, and the first fellows will be announced by April 1, 1978. The total amount of grants per
annum will be $40,000; applications will be entertained for grants from $500 up to a maximum of $10,000 for a full academic year. Funds will also be available eventually for aid in the publication of such studies resulting from research made possible by these grants as are deemed worthy by the trustees and the advisory board. For further information, prospective applicants should write to The Gladys Krieble Delmas Foundation, 20 Broad Street, New York, New York 10005.

**NEH 1978 SUMMER STIPENDS**

The National Endowment for the Humanities is inviting applications for Summer Stipends for the summer of 1978, to be awarded to college, junior college, and university faculty, and others working in the humanities. Applicants employed by colleges or universities must be nominated by the president, dean, or other designated officer of their institution. Those persons whose appointments are terminating, or who are not employed by a college or university, may apply directly to the Endowment without nomination. Each stipend provides $2500 for two consecutive months of full-time study or research in the humanities. Proposals for the planning of curricula or development of teaching materials are not eligible for support. Applicants must have finished their professional training by October 17, 1977, the deadline for applications. For further information and application forms, write to Division of Fellowships, National Endowment for the Humanities, 806 15th Street, NW, Washington, D.C. 20506.

**U.S. DEPARTMENT OF AGRICULTURE STUDENT INTERNSHIPS**

The U.S. Department of Agriculture, Economic Research Service, Washington, D.C. 20250, proposes to hire student interns from time to time on temporary, non-Civil Service appointments. These appointments would be made for periods of from three to six months, and could be full-time or part-time. Pay would be in accordance with university rank—ranging from $4.00 an hour for college seniors to $5.54 an hour for advanced graduate students. The appointments could not be renewed or extended. The goal is to select a topic of mutual interest in some such area as science or technology, overseas agricultural development, price support and adjustment programs, or farm organizations. The work assignment might be a paper, or possibly a bibliography, on the selected topic. It might very well also be a part of a thesis, dissertation, or book. The Department would expect all of the work to be done in Washington. Appointments might be made for any time during the year, including the summer. For further information, please contact Wayne D. Rasmussen, Program Leader, Agricultural History Group, National Economic Analysis Division.

**FELLOWSHIPS AND GRANTS RECEIVED**

Carolyn Iltis (University of San Francisco) has received a research grant from the National Science Foundation for the two-year period 1977-1978 on "Organic Philosophies of Nature in the Scientific Revolution." She has also received a Fellowship from the American Council of Learned Societies for the calendar year 1978 to complete a book on the subject, "Organicism to Mechanism in the Scientific Revolution."

David C. Lindberg (University of Wisconsin) has received a Guggenheim Fellowship for 1977-1978 for research on "Roger Bacon's Philosophy of Nature."

Wilfred R. Theisen (St. John's University, Collegeville, Minnesota) has received a grant from the Gladys Krieble Delmas Foundation for research in Venice in 1977-1978.

**AWARDS AND HONORS**

Martin J. Klein (Yale University) has been elected recently to the National Academy of Sciences.

Otto Neugebauer (Brown University) has also been elected recently to the National Academy of Sciences. Professors Klein and Neugebauer are the first two historians of science ever elected to the National Academy.
Merritt Roe Smith (Ohio State University) has been awarded the Organization of American Historians' Frederick Jackson Turner Prize for his book, *Harpers Ferry Armory and the New Technology* (Cornell University Press, 1977).

**APPOINTMENTS AND PROMOTIONS**

Robert DeKosky has been appointed Assistant Professor in the Department of History at the University of Kansas.

Victor Hilts has been elected Chairman of the History of Science Department at the University of Wisconsin, Madison.

Carolyn Iltis has been promoted to Associate Professor of the History of Science in the Department of Physics at the University of San Francisco.

John E. Lesch has been appointed Acting Assistant Professor of History at the University of California, Berkeley.

Robert J. Richards has been appointed Assistant Professor of the History of Science at the University of Chicago.

**VISITING APPOINTMENTS**

William Ashworth (University of Missouri-Kansas City) will be Visiting Assistant Professor of the History of Science at the University of Wisconsin, Madison, for the academic year 1977-1978.

James Whorton (University of Washington) will be Visiting Associate Professor of the History of Pharmacy at the University of Wisconsin, Madison, for the first semester 1977-1978.

**DISSERTATIONS IN PROGRESS OR RECENTLY COMPLETED**

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

**Harvard University**

Barbara Reeves Buck, "Italian Physicists and Their Institutions, 1861-1911" (in progress).

Joseph H. Chillington, "Colin MacLaurin (1698-1746) and Scottish Mathematical Newtonianism" (in progress).


Anton M. Heinen, "Traditional (sunnî) Cosmography in Islam" (in progress).

Ramunas Kondratas, "Joseph Frank (1771-1842) and the Development of Clinical Medicine" (in progress).


Robert McCormick, "Ernst Haeckel and the German Reception of Darwin: The Scientific and Popular Debate" (in progress).

F. Jinal Ragep, A Study of Tusi's *Tadhkira*" (in progress).


Martha H. Verbrugge, "Fitness For Life: Instruction for Women in Physiology, Hygiene, and Physical Culture in Nineteenth-Century Boston" (in progress).

REQUEST FOR 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. Roger H. Stuewer, 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 listing of available positions.

JOB OPENINGS

The positions listed below are new openings that have been brought to the attention of the Secretary. Other new openings should also be brought to his 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.

   Description: The Department of History and the ASHUM (Arts and Sciences Basic to Human Biology and Medicine) Program hope to make a junior-level appointment in the history of medicine. The appointee will also be given membership in the Morris Fishbein Center for the Study of the History of Science and Medicine. Although no specialty in this field has been ruled out, there is a special need for a scholar with research interests in 19th and 20th century medicine. The history of public health would be of special value in the development of the program, but it is to be hoped that the appointee might also offer courses related to the development of scientific medicine. This appointment will include some graduate teaching, but the emphasis will be on the undergraduate program. The University of Chicago is an equal opportunity employer.
   Contact: Allen G. Debus, Director, The Morris Fishbein Center for the Study of the History of Science and Medicine.

   Position: Archivist/Manuscript Librarian.
   Contact: Send résumé by July 10, 1977, to Dr. Ronald F. Kotrc, Director, Division of the History of Medicine.

3. Stanford University, Stanford, California 94305.
   Description: Stanford University expects to be able to make two appointments in the history of science, commencing in September 1978. This will inaugurate a new program in the history of science. Teaching obligations will be primarily to undergraduates. One senior and junior position are envisaged, and there will be a strong preference for candidates in the physical and mathematical sciences. It is hoped that one appointment will be in the field of ancient, medieval or renaissance science, and the other in the modern period. For the latter, applicants in late nineteenth and early twentieth century physical science will be especially welcomed.
   Contact: Inquiries and applications should be directed to Professor Halsey Royden, Dean of Humanities and Sciences.

   Description: Tenure or tenure-track position in the History of Science Department, beginning autumn 1978. Primary interest in history of modern (18th-20th c.) biological sciences. Responsibility for both graduate and undergraduate teaching. Rank open. The University of Wisconsin-Madison is an Equal Opportunity Employer.
   Deadline for Applications: November 15, 1977.
   Contact: Direct inquiries to Professor Robert Siegfried, Chairman, Search Committee, History of Science Department, South Hall.