

History of Science Society

# NEWSLETTER

Volume I, Number 4

November, 1972

Please send all news items to the Secretary of the Society, Roger H. Stuewer, School of Physics and Astronomy, University of Minnesota, Minneapolis 55455. The deadline for receipt of news items for the February issue is January 20, and THIS WILL BE THE ONLY CALL FOR NEWS ITEMS THAT WILL BE ISSUED.

## COMMITTEE ON ISIS

The Committee on Isis solicits the comments and suggestions of members as to ways in which the Society's journal can be made more useful to members and to advancing our understanding of the history of science. Suggestions may be addressed to the chairman of the Committee, Professor Arnold Thackray, Department the History and Sociology of Science, University of Pennsylvania, 117 E.F. Smith Chemistry Laboratory, Philadelphia, Penna. 19104.

## ARCHIVES OF BRITISH MEN OF SCIENCE

A group at Sussex University under the direction of Dr. Roy M. MacLeod began in 1969 to locate, identify, count and briefly catalogue existing collections of letters, papers and other unpublished materials of a wide range of British scientists who flourished between 1850 and 1939. By applying a standard and thorough search pattern, and by making extensive use of the resources of Somerset House and other public records, the Sussex study set out to find basic documentation for about 3,500 scientific men and women whose contributions to the history of their subjects were in many cases made more through teaching, administration and industrial application than by the pursuit of new knowledge. The information will not only facilitate research in the history of science, but will also provide the key to factual information which may help to form a better understanding of the practice and development of 'everyday' science, its relationship with new research and its place in society. The result, entitled Archives of British Men of Science, is being issued in microfiche prepared to the internationally agreed C O S A T I standard. Each fiche gives information on some sixty persons, arranged alphabetically by surname. Individual fiches are clearly identified with a normal-reading legend for rapid identification and the preservation of file integrity, and the complete Archives is thoroughly indexed in an accompanying printed book. Unless otherwise specified, fiches will be supplied in negative form. The Archives is being published by Mansell (publishers of the Isis Cumulative Bibliography), 3 Bloomsbury Place, London WC1A 2QA;

The Newsletter of the History of Science Society is published in February, May, August and November, with supplements as necessary containing job information. Regular issues are sent free to individual members; supplements are sent automatically to about thirty History of Science Departments and to individuals upon request. Non-members may subscribe to the Newsletter for \$5.00 per year. News should be submitted to Roger H Stuewer, School of Physics and Astronomy, University of Minnesota, Minneapolis 55455. Other inquiries should be addressed to the Isis Editorial Office, Smithsonian Institution, Washington, D. C. 20560.

the price for the complete Archives (approximately 50 fiches, 3,500 individual records) with accompanying printed Index and Guide is £30 sterling. Funds accruing from sales of the Archives will be applied to the continuance and development of the project. Further information may be obtained from Mansell.

Dr. MacLeod is Reader and Chairman of History and Social Studies of Science at the University of Sussex, and inquiries concerning his undergraduate and graduate programs should be addressed to the Secretary, History and Social Studies of Science, Physics Building, University of Sussex, Falmer, Brighton, BN1 9QH.

#### NEW INTERNATIONAL BODY ON SCIENCE POLICY

The international scientific community has taken its first formal steps to recognize science policy studies and establish an organizational framework for scholars in the field. The opening session of the new "International Commission for Science Policy Studies" was held in Reisenburg, Federal Republic of Germany, July 9-15, 1972, to discuss the research directions and needs of the field, and to lay plans for future programs. The Commission, presently consisting of 19 members from 13 countries, was created in 1971 at the Moscow meeting of the Division of History of the International Union of the History and Philosophy of Science (IUHPS), with Professor Derek de Solla Price of Yale as President, and Academician S. R. Mikulinski of the Soviet Union and Jean-Jacques Salomon of France as Vice-Presidents. Its creation followed the recommendations of an earlier international working group of the Union charged with exploring means of structuring the scholarly interest in the field. For further information, consult the August-September 1972 Newsletter for the Science and Public Policy Studies Group, Massachusetts Institute of Technology, Room E53-450, Cambridge 02139.

#### HSS METROPOLITAN NEW YORK SECTION MEETING

The next meeting of the MSS Metropolitan New York Section will be held on Thursday, November 16, at 8:00 P.M. at the Graduate Center of CUNY. The speaker will be Professor Sigalia Dostrovsky of Barnard College, Columbia University. For further information write Professor Thomas Be. Settle, Polytechnic Institute of Brooklyn, 333 Jay Street, Brooklyn, N. Y. 11201. The preceding meeting was held on October 14 at the Burndy Library, Norwalk, Connecticut, where papers were presented by Philip C. Ritterbush ("The Concept of Organism: A Bridge from Art to Biology") and Robert B. Weinberg ("Contemporary Art and Science, The Return of the Renaissance Man"). The Burndy Library also had an exhibit on display entitled "Popular Images of Science: Caricatures and Stereotypes of Scientists, an Exhibition of Graphic Arts."

#### COPERNICUS SYMPOSIUM AT MICHIGAN

The University of Michigan Copernik (Copernicus) 500th Anniversary Celebration Committee is planning to host a three-day symposium dealing with Science and Society: Past, Present and Future. The dates for the symposium are April 3-5, 1973. Funding has been received from ACLS and NSF, and the program is now being finalized. For further information write to the Chairman of the symposium subcommittee, Professor Nicholas H. Steneck, Department of History, University of Michigan, Ann Arbor 48104.

#### MIDWEST JUNTO OF THE HISTORY OF SCIENCE SOCIETY

The 1973 meeting of the Midwest Junto of the History of Science Society will be hosted by the College of General Studies, Western Michigan University, Kalamazoo, Michigan. The dates for the meeting are April 26-28, 1973. Specific information, including a call for papers, will be sent out to all Junto members. Further information may be obtained at this time from Mr. David Hargreave, College of General Studies, Western Michigan University, Kalamazoo, Michigan 49001.

#### REPORT ON 1972 SUMMER MEETING OF THE BRITISH SOCIETY

The summer meeting of the British Society for the History of Science was held July 3-5, 1972 at the University of Exeter. The Presidential Address, "The Tyranny of Abstractions," by Dr. W. P. D. Wightman; and papers were presented by H. J. J. Winter ("Medieval Transmission in Science"), R. E. Hall ("Psychological Doctrines and Islamic Cultural History"), W. I. Sabra ("Form and Image in the Optics of Ibn al-Haythem"), C. H. Brock ("The making of William Hunter"), E. Posner ("The Medical Attendants of Josiah Wedgwood the first"), Dr. C. B. Schmitt ("Scientific and Medical subjects in Curricula of Sixteenth and Seventeenth Century Universities"), and J. R. Levene ("The Royal Society, the Royal Academy and the invention of bifocal spectacles"). The Programme Secretary was H. G. L. Bevan, Chelsea College, University of London, Manresa Road, London SW3 6LX.

#### REPORT ON WEST COAST LAZZARONI MEETING

The last meeting of the West Coast Lazzaroni was held October 28 on the University of California, Los Angeles, campus. The program included papers by R. Orti ("Uranus in the Debt of Clio: Astronomical Discoveries Derived from the Study of History"), G. Patterson ("Georg C. Lichtenberg (1744-1799) and the Critical Attitude"), R. G. Frank, Jr. (Computer Analysis of Scientific Institutions: The Case of the Royal College of Physicians, 1518-1815"), J. Grabiner ("Was the Scopes Trial a Victory for Evolutionists?"), J. G. Burke (Technological Approaches to Human Problems"), D. Hafemeister ("A Science and Society Test for Physicists"), A. Beyerchen ("Politics and Physics in the Third Reich"), and J. Zeitlin ("Some Notable Scientific Book Collectors: Their Care and Feeding"). For further information contact Professor Lawrence Badash, Department of History, University of California, Santa Barbara 93106.

#### REPORT ON FISHBEIN HISTORY OF MEDICINE LECTURE

The Morris Fishbein Center for the Study of the History of Science and Medicine, University of Chicago, presented Gert H. Brieger, M.D., Duke University Medical Center, in a lecture on "Aspects of Resistance to Change in the History of Medicine" on October 31st at 8:30 P.M. in the Joseph Regenstein Library at the University.

#### HISTORY OF SCIENCE

History of Science, first published in 1961 as an annual volume under the editorship of A. C. Crombie and M. A. Hoskin, will become a quarterly journal beginning with volume 11 in 1973. The Editorial Board includes, in addition to A. C. Crombie and M. A. Hoskin, C. G. Gillispie, A. R. Hall, and John North. Subscription information for individuals and institutions, as well as a complete list of Advisory Editors and articles already accepted for publication, is available from Science History Publications, 156 Fifth Avenue, New York 10010.

#### CLASSIC PAPERS IN PHYSICS

As one of the results of the International Working Seminar on the Role of Physics in Physics Education held at M.I.T. July 13-17, 1970, under the chairmanship of Allen L. King, Dartmouth College, a series edited by Hans Kangro entitled Classic Papers in Physics, Annotated and Translated for Teaching Purposes is being published by Taylor & Francis Ltd., 10-14 Macklin Street, London WC2B 5NF. The first volume, entitled Planck's Original Papers in Quantum Physics, contains the papers and notes written in German by Hans Kangro and translated into English by Stephen Brush. The price will be \$1.80 (DM 5.90 in Germany, £0.70 in the U. K.). Anyone interested in further information, or in editing and annotating a "Classic Paper in Physics" for teaching purposes, should contact Prof. Dr. Kangro, Grüningweg 36, 2 Hamburg 74, Germany.

#### UTRECHT BIOHISTORICAL CIRCULAR

A circular providing information on colloquia, lectures, books, etc., particularly dealing with the life sciences, is regularly published by the Biohistorisch Instituut der Rijksuniversiteit te Utrecht, "Miquel Huis," Nieuwe Gracht 187, Utrecht, Holland. For further information write to the Algemeen Secretariaat.

#### 1976 APPLIED OPTICS COMMEMORATIVE ISSUE

Patricia R. Wakeling, Managing Editor of Applied Optics, 1613 Nineteenth Street, N.W., Washington, D. C. 20009, writes that in 1976, probably in June, a commemorative feature on 200 Years of American Optics will be published under the direction of Professor I. B. Cohen. While she cannot promise to publish everything, she solicits suggestions and/or illustrations from members of the HSS for her careful consideration.

#### POPULAR ARCHAEOLOGY

The first issue of a new publication called Popular Archaeology was published August 28, 1972. Price is \$5.00 for 26 issues. For further information write Box 18365, Wichita, Kansas 67218.

#### MODERN LANGUAGE ASSOCIATION PUBLICATION

The Index Committee of the Modern Language Association announces the publication of Volume I of the Second Edition of Donald G. Wing's Short-Title Catalogue of Books Printed in England, Scotland, Wales, and British America and of English Books Printed in Other Countries, 1641-1700. For further information contact Mrs. Judith Lapidus, MLA Advertising and Promotion Coordinator, Modern Language Association of America, 62 Fifth Avenue, New York 10011.

#### MELLON FOUNDATION GRANTS

Nathan M. Pusey, President of The Andrew W. Mellon Foundation, recently announced that grants totaling nearly \$5 million dollars were awarded by the Foundation to twenty-four university presses, independent research libraries (Folger, and to six Henry E. Huntington, Newberry Library, Pierpont Morgan, American Antiquarian Society, and American Philosophical Society Library). Mr. Pusey noted that these grants represent a further step by the Foundation to aid scholars and scholarship, chiefly in the humanities, in a period for many institutions of acute financial stringency. The former grants varied in amount from \$40,000 to \$150,000, and were made to enable the presses to increase the number of scholarly works they will be able to publish over the next several years. The presses were asked to make special efforts to aid young scholars publishing first or second books. They were also encouraged to experiment with technological improvements to reduce publication costs. A supplementary grant was made to the American Council of Learned Societies to which other, for the most part smaller, member presses of The Association of American University Presses may apply, in a program the ACLS Council will announce. The library grants (total \$2.5 million) were made to enable the Directors of these libraries to make their unique collections more accessible to qualified scholars working in the various fields of humanistic learning.

#### ADVISORY COMMITTEE OF HISTORIC AMERICAN ENGINEERING RECORD

The Secretary of the Interior, Rogers C. B. Morton, has appointed Dr. Gail A. Hathaway (Hyattsville, Md.), Prof. Eugene S. Ferguson (Wilmington, Del.), Prof. John W. Briscoe (Urbana, Ill.), Dr. Lynn White, Jr. (Los Angeles, Calif.), and Mr. Waldo G. Bowman (New York) to serve as the Advisory Committee of the Historic American Engineering Record, which will advise on program policy matters. Presently the organization is conducting recording projects in Utah, Indiana, and West Virginia. It will also inventory the six New England States and Florida and has scheduled a combination inventory and recording project in the Southwest. In general, the HEAR assembles archives of significant engineering works and has an active program of documentation.

## BRITISH NATIONAL LENDING LIBRARY (NLL) FOR SCIENCE AND TECHNOLOGY

Mr. Peter G. Watson, Systems Department, UCLA Library, has written a report on the British NLL (which will appear in the ACLS Newsletter) in an effort to further the discussion on whether or not a similar service should be initiated in the United States. Watson notes that the NLL, which is located near Boston Spa, Yorkshire, has as its main thrust the rapid and direct supply of scientific and technical literature to those who need it. Operating by mail, it lends out (at a present rate exceeding one million items a year) material from its worldwide collection of periodicals, books and microforms, to scientists in universities, business and industry, research associations, government agencies, etc. At a nominal cost to cover postage, and assuming no hitches, a request will be filled in three days. Despite a 20% per year growth rate in size and usage, the NLL has maintained a persistent 86% or so success factor, and the direct mailing method is far quicker than traditional inter-library lending in Britain; moreover, it allows for 2 or 3 copies of a work to serve the same demand that would otherwise take about ten copies to meet. In 1967 the NLL was mandated to provide similar services to the Social Sciences. Further information may be obtained from Mr. Watson or from the ACLS Newsletter.

### NEW COURSE ON HISTORY OF PSEUDO-SCIENCE AND THE OCCULT

A new undergraduate course entitled "History of Pseudo-Science and the Occult" has been initiated at the University of Wisconsin by Professors David Lindberg and Robert Siegfried of the Department of History of Science. The topics covered range from early European magic and witchcraft to modern psychic phenomena, Velikovsky, and the counter-culture. Stress is on social and psychological factors in belief. Anybody interested in obtaining the syllabus and reading list for the course should write the Department of History of Science, South Hall, University of Wisconsin, Madison 53706.

### NEW HISTORY OF MEDICINE COURSE

The Graduate Program at the National Institutes of Health will include this year a new second semester course on the History of Medicine in the United States, which will be presented evenings at the National Library of Medicine by John B. Blake, James H. Cassedy, and Peter D. Olch. The course will provide an introduction to the social and cultural aspects of medicine in America from the seventeenth century to the present, with some emphasis on the development of the medical sciences, public health, and medical institutions.

### WILLIAM SNOW MILLER MEDICAL HISTORY SEMINAR IN MADISON, WISCONSIN

Anyone interested in the history of the bio-medical sciences who wishes to attend the meetings of the William Snow Miller Medical History Seminar in Madison, Wisconsin, is invited to contact Professor Guenter B. Risse, Department of the History of Medicine, The University of Wisconsin Center for Health Sciences, Medical Library, 1305 Linden Drive, Madison 53706, to be placed on the Seminar's mailing list. The Seminar is sponsored by the Department of the History of Medicine and has existed since 1909 when William Snow Miller, Professor of Anatomy, began inviting students for informal discussions on historical subjects. It was successively under the direction of Drs. Erwin Ackerknecht and Nicolaus Mani, and was reorganized last year by the present chairman of the department, Dr. Risse. It meets about six times a year, sometimes with a lecture preceded by a social hour and dinner, and on other occasions as a discussion group. The meetings are open to anyone interested, and there are no membership fees. Among those giving papers last year were Professors Risse, Robert Siegfried and Lester S. King. For further information contact Professor Risse.

### RESCUING NEW YORK PUBLIC'S RESEARCH COLLECTION

The National Endowment for the Humanities announced on September 7 that they will match, on a 2-for-1 basis up to \$750,000, gifts or pledges of gifts received before June 30, 1973 on behalf of the New York Public Library. The plight of the Library's Research Collections was deemed of sufficient concern by the Society that the Council, at its last meeting, authorized a contribution out of our own meagre resources. Concerned members are urged to send contributions, marked "For Research Collections" to Richard W. Couper, N. Y. Public Library, 42nd Street and 5th Avenue, New York 10018.

#### UNIVERSITY OF DELAWARE PROGRAM

The graduate program at the University of Delaware currently offers majors in the history of technology, in the history of science and technology, and in the social implications of science and technology in conjunction with its Hagley Fellowship Program. The program is administered by George Basalla (science, technology, and society), John Beer (industrial chemistry), and Eugene Ferguson (mechanical technology), who are also assisted by Edward Lurie (American intellectual history and science) and John W. Shirley, now Research Professor in the History of Science (Scientific achievements of Thomas Harriot). For further information contact Professor Ferguson, The Hagley Museum, Greenville, Wilmington, Delaware 19807.

#### CHICAGO HISTORY OF MEDICINE BOOK EXHIBIT

The Morris Fishbein Center for the Study of the History of Science and Medicine, and the Joseph Regenstein Library, Special Collections Department, University of Chicago, will hold an exhibit of the Dr. Morris Fishbein collection of books in the History of Medicine. The exhibit opens October 31, 1972 and will close in mid-January, 1973. A printed catalog containing details about the collection will be available after the opening of the exhibit. Details may be obtained from Mr. Robert Rosenthal, Curator, Special Collections Department, Joseph Regenstein Library, 1100 East 57th Street, Chicago 60637.

#### SCHALLENBERG QUESTIONNAIRE

While only 23 out of the 41 questionnaires have been returned to date, Richard Schallenberg feels that a preliminary report on the outcome of his questionnaire is justified. This preliminary report is now being distributed. Schallenberg's general conclusion is that: "Although the total number of graduate students has been cut back significantly since 1967, the number of new PhD's in the summer of 1973 and 74 should be significantly higher than that of 1972 (perhaps more than double). If the supply of jobs is not significantly higher than last year, the difficulty of finding jobs in the years ahead will increase greatly."

#### AWARDS AND HONORS

Howard B. Adelman, Professor Emeritus of Histology and Embryology, Cornell University, received the Premio Internazionale Galileo Galilei dei Rotari Italiani on October 8, 1972, in the Aula Magna of the University of Pisa. The recipient of this prize, which was instituted in 1962, was decided by scholars appointed by the Rector of the University of Pisa, and it was awarded for the first time this year in the field of the history of Italian science. It is always awarded to a foreigner concerned with the history of Italian culture, and has been termed Italy's Nobel Prize. In 1972 it honors Professor Adelman's The Embryological Treatises of Hieronymus Fabricius ab Aquapendente (1942 and 1967) and Marcello Malpighi and the Evolution of Embryology (1966). The presentation was preceded on October 7 by a reception at the Domus Galiaeana and a recital by Luigi Sessa, organist of the Duomo of Florence, at the Chiesa Nazionale dei Cavalieri di Santo Stefano, Pisa; it was followed by a luncheon at the Hotel Golf di Tirrenia. The prize was a gold statue by Emilio Greco. The events were reported in numerous Italian newspapers.

I. Bernard Cohen, Harvard University, will deliver the annual Phi Beta Kappa address this year at the December meeting of the AAAS in Washington. Mr. Carl Billman, Secretary of Phi Beta Kappa, invites all members of the HSS who will be in Washington to attend Professor Cohen's address, which will be held December 29 at 8:30 P.M. in the Palladian Room in the Shoreham Hotel.

Roger Hahn, University of California, Berkeley, was the winner of the 1971 book award of the Pacific Coast Branch of the American Historical Association for his book The Anatomy of a Scientific Institution: The Paris Academy of Sciences, 1666-1803 (University of California Press, 1971). The preceding year's award went to Thomas L. Hankins, University of Washington, for his book Jean d'Alembert: Science and the Enlightenment (Oxford, 1970).

John Murdoch, Harvard University, was elected to the twelve-member bureau of the Societe Internationale pour l'Etudes de la Philosophie Medievale at the Vth International Congress of the Societe in Madrid in September.

Glenn Sonnedecker, University of Wisconsin, Director of the American Institute of the History of Pharmacy, is receiving the 1972 Remington Honor Medal. The Medal is conferred upon that person "whose continuing contributions to the advancement of the profession over a period of years have been most outstanding," as judged by the past presidents of the American Pharmaceutical Association. In September 1971 the Schelenz Plaque was conferred upon Professor Sonnedecker by the International Society for the History of Pharmacy for his cumulative contributions to the field of the history of pharmacy.

#### APPOINTMENTS AND PROMOTIONS

Bert Hall has been appointed Assistant Professor in the Department of History of the State University of New York at Buffalo.

David C. Lindberg has been promoted to Professor and appointed Director of Graduate Studies in the Department of History of Science at the University of Wisconsin.

#### VISITING APPOINTMENTS AND FELLOWSHIPS

Ruth Schwartz Cowan, SUNY at Stony Brook, is spending the fall semester as Visiting Lecturer in the Program in History and Philosophy of Science, Princeton University.

John M. Eyler has been awarded a postdoctoral fellowship in medical history from the National Institutes of Health for the year 1972-73 under the sponsorship of the Department of the History of Medicine, the University of Wisconsin Center for Health Sciences, Madison.

Gerald L. Geison, Princeton University, on leave this year, will spend the spring semester at the Institute of the History of Medicine at Johns Hopkins University with support from the National Institutes of Health.

Thomas S. Kuhn, Princeton University, is a Member of the School of Historical Studies at the Institute for Advanced Study for the fall term, where he is working on the history of early quantum mechanics.

Arthur I. Miller, Lowell Technological Institute, has been awarded a National Endowment for the Humanities Fellowship and is spending 1972-73 in the Department of Physics at Harvard University working on the history of special relativity.

#### 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.

Correction: Dr. W. H. Brock writes that the list of theses and dissertations which he compiled (see full announcement in last Newsletter) is distributed not by himself but by the British Society for the History of Science, 47 Belgrave Square, London, S. W. 1, and that requests for copies should therefore be directed to the Society.

University of California, Los Angeles

Bert Hall, "The So-Called 'Manuscript of the Hussite Wars' Engineer' and Its Technological Milieu: A Study and Edition of Codex latinus monacensis 197, Part 1 (completed: Dis. Abs. 72-13,612).

Harvard University

Peter Stephen Buck, "Orientations toward Occidental Knowledge: Comparative Perspectives on the Science Society of China, 1914-1937" (completed).

Princeton University

Bert William Hansen, "The Quodlibeta of Nicole Oresme (1320-1382); A Critical Edition, Discussion, and Commentary" (in progress).

R. Steven Turner, "The Prussian Universities and the Research Imperative, 1806 to 1848" (completed).

Stanford University

James Richard Bartholomew, "The Acculturation of Science in Japan: Kitasato Shibasaburo and the Japanese Bacteriological Community, 1885-1920" (completed).

University of Texas at Austin

Michael A. McCormick, "Auguste Comte and Biological Theory in France" (in progress).

Yale University

Alice Levine Baxter, "E. B. Wilson and the Problem of Development" (in progress).

Richard H. Schallenberg, "Development of the Electric Battery: Science and Technology" (in progress).

REQUEST FOR JOB INFORMATION

Individuals in colleges, universities, and other institutions having knowledge of possible or definite job openings for 1973-74 are urged to relay such information to the Secretary, Roger H. Stuewer, as soon as possible for publication in the Newsletter. Such sharing of job information is consistent with the general sentiment expressed at the last annual meeting on the desirability of open listing of available positions.

JOB OPENINGS

The positions listed below have not yet been removed from the job register maintained by the Secretary of the Society. New openings should be brought to the attention of the Secretary as soon as possible. All inquiries should be addressed to the institution having the opening, and only serious and qualified persons should apply. The Society, of course, can assume no responsibility for the accuracy or currency of the listing.

1. The Bancroft Library, University of California, Berkeley 94720.  
Position: Project Coordinator for History of Science and Technology Archives.  
Status: Expected to begin June 1973, pending full funding.  
Description: Non-teaching, full-time job to direct oral history and archival project in the history of physics and electrical engineering of the San Francisco Bay Area. Salary range: \$10,000 - 14,000 depending upon experience.  
Qualification: Completed Ph.D. in history of modern physical sciences, some archival experience, and a good sense of public relations.  
Contact: Professor Roger Hahn, The Bancroft Library, University of California, Berkeley, California 94720. Interviewing expected at the HSS meetings in Washington.

2. University of California, Berkeley 94720.  
Position: Visiting Assistant Professor for 1973-1974.  
Teaching Schedule: Two courses per quarter, to include part of a three-quarter survey course, a lecture class on "Topics in the History of Biological Science," and graduate instruction. Completed Ph.D. required.  
Contact: Professor Roger Hahn, Department of History.
3. University of Kentucky, Lexington 40506.  
Position: Associate or Full Professor.  
Status: Definite.  
Specialities: European Intellectual History, preferably in the Early Modern Period with a special interest in the History of Science.  
Contact: Professor Raymond F. Betts, Chairman, Search Committee, Department of History.
4. University of Maryland, 5401 Wilkens Avenue, Baltimore 21228.  
Position: Assistant, Associate or Full Professor (Ph.D. by September 1973 required.)  
Status: Highly possible.  
Specialities: No specific speciality in the history of science or technology stated.  
Contact: Professor Ka-che Yip, Chairman, History Recruiting Committee, Department of History.
5. University of Nebraska-Lincoln, Lincoln 68508.  
Position: Assistant Professor (Ph.D. by August 1973 required.)  
Status: Definite.  
Description: Strong preference will be given historians of science and/or technology specializing in the 19th and 20th centuries, "externalists," and those qualified to teach survey courses in conventional history. No preference regarding national field. Position can lead to promotion and tenure. Teaching load not more than 9 classroom hours per semester. Teaching experience desirable but not essential. Salary of \$10,500 will be offered to appointee with Ph.D. degree.  
Contact: Professor James A. Rawley, Chairman, Recruitment Committee, Department of History.
6. Princeton University, Princeton, New Jersey 08540.  
Position: Assistant Professor (with Ph.D.)  
Status: Starting Fall 1973.  
Description: Position requires teaching at undergraduate and graduate levels in the history of biology and medicine, as well as conducting an occasional undergraduate seminar in an area outside the history of the life sciences such as eighteenth-century chemistry, scientific institutions, or science and society. Advising students involved in both graduate and undergraduate independent research will also be involved, as well as some share of the administrative work of the Program in the History and Philosophy of Science. As a member of the History Department, the person will also be expected to do some teaching in general history.  
Contact: Professor Michael S. Mahoney, Director, Program in History and Philosophy of Science.
7. Purdue University, Lafayette, Indiana 47907.  
Position: Assistant Professor (all requirements for Ph.D.) must be completed by August 28, 1973).  
Status: Definite.  
Description: Prefer applicants in the history of the earth sciences and/or astronomy. Equal training in both areas not expected. Currently, there are two historians of the physical and life sciences in the department, and preferably the new member's specialty should not duplicate existing member's specialties.  
Contact: Professor Donald J. Berthrong, Head, Department of History.

8. Rutgers University, New Brunswick, New Jersey 08903.  
Position: Assistant professor (Ph.D. expected).  
Status: Definite for 1973-74.  
Specialties: They are seeking "a historian of science, specializing in the Early Modern Era whose interests and research indicate a strong emphasis on the relationship between science and society. The appointment --- will be made at a newly created, four-year, multi-purpose liberal arts college within Rutgers University, Cook College, which will place stress on environmental and scientific studies."  
Contact: Professor Daniel Horn, Department of History, Douglass College, Rutgers University.
9. Joseph Henry Papers, Smithsonian Institution, Washington, D. C. 20560.  
Position: Assistant Editor of the Joseph Henry Papers (recent Ph.D. preferred, but candidates very close to the degree will be considered).  
Status: Possible for September 1973.  
Description: Ideally, the Assistant Editor should have good background in the history of the physical sciences in the last century and in the history of science in the United States, but they will settle for one of these specializations with clear signs of potential for acquiring the other. Familiarity with use of manuscript sources is desirable but not essential. The salary will be \$13,309 on a twelve months basis. Promotion possibilities exist, and every reasonable encouragement will be given for the Assistant Editor to do research of his or her own choosing.  
Contact: Dr. Nathan Reingold, Editor.
10. Sullivan Associates, 3000 Sand Hill Road, Menlo Park, California 94025.  
Position: For collaboration in the development of a science curriculum for primary grades on up, a person with broad knowledge of science and strong interest and ability in imaginative writing. This is an unusual opportunity for the individual not fully committed to an academic career in specialized pursuits. For further details see Vol. I, Number 1, Supplement.  
Status: Possible.  
Contact: Dr. John F. Bennett.
11. Peter Gibbs, Professor and Chairman, Department of Physics, University of Utah, Salt Lake City 84112, encourages historians of science holding the Ph.D. to apply for his Research Associate/Associate Instructor Program. Appointments are for twelve months (one month vacation), carry stipends of either \$10,000 or \$11,000, normally include one-half teaching and one-half research responsibility, are made each fiscal year (1 July to 30 June) or a fraction thereof, and are renewable but normally limited to a total of a two years. Applications should include a curriculum vitae and three letters of recommendation, mailed directly to Professor Gibbs, and should be in by February 1 if possible. A Brochure is available on request.
12. University of Vermont, Burlington 05401  
Position: Visiting appointment for historian to prepare history of the University of Vermont College of Medicine. A permanent faculty position cannot be offered.  
Status: Presumably beginning 1973-74.  
Description: Source materials are in some disarray but several members of the local Beaumont Medical Club have been accumulating files of material for some years, their medical librarian is interested and helpful and the University Archivist is prepared to spend a major portion of his time on the medical college during the coming year. They have an oral history project which has been under way for a few years, and are prepared to assist further in locating source materials and generating other data an author may deem significant.  
Contact: Professor Samuel B. Hand, Department of History or Dr. Lester Wallman, Department of Neurosurgery.

13. University of Winnipeg, Winnipeg, Manitoba, Canada R3B 2E9.  
Position: Temporary two or three sessional appointments for 1973-74 with no commitment for extension. Appointments are to replace individuals who may be on leave of absence.  
Description: History of Science and/or Technology is listed as first priority. Priority given to individuals holding doctoral degree. Depending upon qualifications, appointments will be made at an appropriate rank. Current (1972-73) salary floors are Assistant Professor \$10,800; Associate Professor \$14,000; Professor \$18,000. Normal teaching load is 9 hours.  
Contact: Submit curriculum vitae and names of referees or forward dossier to Professor H. V. Rutherford, Chairman, Department of History.

#### HISTORY OF SCIENCE SOCIETY

ANNUAL MEETING, DECEMBER 28-30, 1972, SHOREHAM HOTEL, WASHINGTON, D. C.

TENTATIVE PROGRAM (Program Chairman: ALLEN G. DEBUS;  
Program Committee: OWEN GINGERICH, NATHAN REINGOLD)

THURSDAY, DECEMBER 28

9:00 A.M.

Copernicus - 500th Anniversary (Open Session, Co-sponsored with AAAS Sections L and D) SH/Palladian

Arranger: Raymond J. Seeger, AAAS, Section L  
Chairman: K. As. Strand

Introductory Remarks: His Excellency Professor Witold Trampeczynski  
(Ambassador from Poland)

A. A. Mikhailov (Pulkovo Observatory)

"Copernicus and the Impact of Printing"  
Owen Gingerich (Harvard University, Astrophysical Observatory)

"Copernicus in Bruno, Galileo, and Kepler"  
Stillman Drake (University of Toronto)

"Copernicus as a Man and Contributor to the Advancement of Science"  
Edward Rosen (City University of New York)

American Psychology: 1880-1930

SH/Club Room A

Arranger and Chairman: Michael M. Sokal (Worcester Polytechnic Institute)

"Soundings Then and Now: Interaction with the Acoustical Environment"  
Audrey B. Davis and Uta C. Merzbach (Smithsonian Institution)

"The Rise and Fall of Anthropometric Mental Testing in the United States, 1890 - 1900"  
Michael Sokal (Worcester Polytechnic Institute)

"The Behavioral Revolution in Psychology, 1910-1930"  
William R. Whipple (University of Pennsylvania)

Commentator: Rand B. Evans (University of New Hampshire)

Work In Progress: I

Chairman: William Provine (Cornell University)

"Water Supply and Civil Engineering in Ancient Greece"  
Alfred Burns (University of Hawaii)

"Scientific Achievement: An 18th Century Case Study"  
Vern L. Bullough (San Fernando Valley State College)

"Microscopy and the Assessment of mid-19th century American Science"  
James H. Cassedy (National Library of Medicine)

"Alfred Russel Wallace, the Origin of Man and Spiritualism"  
Malcolm Kottler (Yale University)

"The Justification of Transmutation: Ramsay's Speculations and Rutherford's Experiments"  
Thaddeus J. Trenn (Max Planck Institut-Starnberg)

"Physics at the Turn of the Century: Social and Material Dimensions of the Enterprise"  
Paul Forman and Spencer Weart (University of California, Berkeley)

"Evidence of Poor Communication between Physicists and Engineers in the Last Third of the 19th Century"  
Robert J. Kwik (University of Pennsylvania)

"Technical Education and Emergent Engineers in Industrializing Germany 1850-1900"  
Joseph Caggiano (Johns Hopkins University)

1:00 P.M.

Relations of American European Geology Before 1860 (Co-sponsored with AAAS Sections  
E and L) SH/Heritage

Arranger and Chairman: John C. Greene (University of Connecticut)

"Dr. Johann David Schoepf, The True Pioneer of American Geology"  
Edmund M. Spieker (Ohio State University)

"American Geological Investigations and the French, 1750-1850"  
Kenneth L. Taylor (University of Oklahoma)

"William Maclure's Theory of Geology"  
George W. White (University of Illinois)

"Joseph N. Nicollet, His Geologic Observations and Associations, 1830-1845,  
with Special Reference to Henry Darwin Rogers"  
Martha Bray (Minnesota Historical Society)

"Charles Lyell's Contribution to the Tertiary Geology of the United States"  
Leonard G. Wilson (University of Minnesota)

"Agassiz' Influence on Geological Thinking in the United States"  
Albert V. Carozzi (University of Illinois)

Work in Progress: II

Chairman: Jerome J. Bylebyl (University of Chicago)

"Mechanism in Gassendi's Biology"

Francois Duchesneau (University of Ottawa)

"The Leibnizian Natural Philosophy"

Ronald Calinger (Rensselaer Polytechnic Institute)

"Madame du Chatelet's Philosophy of Nature"

Carolyn Iltis (University of San Francisco)

"Alexis Claude Clairaut and his Proposed Modification of Newton's Inverse-Square Law of Gravitation"

Craig B. Waff (Johns Hopkins University)

"Johann Heinrich Lambert's Hierarchical Cosmology: Advance Note on the First English Translation of Lambert's Cosmologische Briefe (1761)"

Stanley L. Jaki (Seton Hall University)

"Life" and "Organic Structure" in Vicq d'Azyr's Comparative Anatomy"

William R. Albury (Johns Hopkins University)

"The Phlogiston Theory and the Chemical Revolution: A New Perspective"

Bernard Langer (Ramapo College of New Jersey)

"Cleveland Abbe and Opportunities for Astronomers in Mid-Nineteenth Century America"

Norriss S. Hetherington (University of Kansas)

2:00 P.M.

The Place of the History of Life and Medical Sciences in Undergraduate Education  
(Co-sponsored with AAAS Sections F-G, L and N) SH/Palladian

Arranger and Chairman: Raymond J. Seeger AAAS, Section L

Introductory Address: George Rosen (Yale University)

Panel Discussion: Everett Mendelsohn (Harvard University), Chairman;  
Garland E. Allen (Washington University), Roger W. Dahlen (National  
Library of Medicine), Audrey B. Davis (Smithsonian Institution), George E.  
Erickson (Brown University), Chauncey D. Leake (University of California,  
San Francisco), Genevieve Miller (Cleveland Medical Library Association),  
Peter Niebyl (Johns Hopkins University), Raymond J. Seeger, and John  
Withers (American Institute of Biological Sciences).

4:30 P.M.

Sarton Memorial Address: "Mathematical versus Experimental Tradition in  
the Development of Physical Science"  
Thomas S. Kuhn (Princeton University)

6:30 P.M.

Meeting of the History of Science Society Council.

(Time to be announced)

Joint History of Science Society/SHOT Cocktail Party at the Museum of History and  
Technology, Smithsonian Institution.

FRIDAY, DECEMBER 29

9:00 A.M.

Joseph Henry Symposium I: Physical Thought in the Early Nineteenth Century

(Co-sponsored with AAAS Section L and SHOT)

SH/Palladian

Arranger and Chairman: Nathan Reingold (Smithsonian Institution)

"Sir David Brewster Confronts the Undulatory Theory of Light"  
Edgar W. Morse (Sonoma State College)

"Oppositions to Aetherial and Imponderable Media in the Early Nineteenth Century"  
Richard Olson (University of California, Santa Cruz)

"Natural Philosophy, Nature Philosophy and Science in the Early Nineteenth Century"  
Robert E. Schofield (Case Western Reserve University)

Work in Progress: III

Chairman: Theodore Brown (Institute for Advanced Study, Princeton University)

"Science and the Reformation"  
Kenneth Thibodeau (Notre Dame University)

"Marin Mersenne and Renaissance Magic"  
William Hine (York University)

"Theories of Collision in the Seventeenth Century"  
Martin Kalmar (Johns Hopkins University)

"Simon Newcomb and the Problem of the Moon's Motion"  
Arthur Norberg (University of Wisconsin)

"Adrian van Maanen's Influence on Island Universe Theory"  
Richard Hart (Boston University)

"E. E. Barnard and the Dark Clouds in the Milky Way"  
Daniel Seeley (Boston University)

"Bertrand Russell's Logical Manuscripts"  
Ivor B. Grattan-Guinness (Enfield College of Technology)

"The Electronic Conception of Valence: A Uniquely American Attempt to Devise a Theory of Chemical Reactivity"  
Martin D. Saltzman (Providence College)

1:00 P.M.

Galileo and Joseph Black: Cornerstones of the Mechanical and Chemical Philosophies

(Co-sponsored with AAAS Section L)

Arranger and Chairman: Lawrence Badash (University of California, Santa Barbara)

"Galileo's Discovery of the Times-Squared Law"  
Stillman Drake (University of Toronto)

"Joseph Black's Discovery of the Chemical Difference Between Common and Fixed Air"  
Arthur Donovan (University of Illinois, Chicago Circle)

2:00 P.M.

Joseph Henry Symposium II: Applications of Electrical Science (Co-sponsored with  
AAAS Section L and SHOT SH/Palladian

Arranger and Chairman: James E. Brittain (Georgia Institute of Technology)

"Charles G. Page and the Induction Coil: Applications of Electrical Science  
by an American Contemporary of Joseph Henry"  
Robert Post (Smithsonian Institution)

"Rowland and Electromagnetic Models at the Johns Hopkins University 1876-1901"  
John D. Miller (University of California, Berkeley)

Discussant: Thomas P. Hughes (Southern Methodist University)

3:30 P.M.

Business Meeting: History of Science Society

6:30 P.M.

Cocktails: Washington Hotel, Skyline Room

6:45 P.M.

History of Science Society/SHOT Banquet

After Dinner Lecture: "The Scholar: A Species Threatened by Professions"  
Clifford Truesdell (Johns Hopkins University)

SATURDAY, DECEMBER 30

9:00 A.M.

Buffon's Role in Eighteenth Century Science (Co-sponsored with AAAS Sections L  
and F-G) SH/Board Room

Arranger and Chairman: Paul Lawrence Farber (Oregon State University)

"The Buffon-Linnaeus Controversy and the Origins of Phylogenetic Classification"  
Phillip Sloan (University of Washington)

"Buffon's Investigations of Animal Hybridization"  
John C. Gienapp (Concordia Senior College)

"Buffon's Natural History"  
Peter Bowler (Universiti Sains)

"Buffon's Writings on 'Life Force'"  
Stephen F. Milliken (Rocky Mountain College)

Case Studies on the Relationship between Experiment and Theory in Science (Co-  
sponsored with AAAS Section L) SH/Executive

Arranger and Chairman: Stanley Goldberg (Hampshire College)

"Examples from the Field of Psychology"  
Sigmund Koch (Boston University)

"Case Studies in the History of Recent Physics"  
Gerald Holton (Harvard University)

"G. N. Lewis' Theory of Chemical Bonding: A Case Study in Scientific Innovation"  
Robert Kohler (Burndy Library)

"The Justification of Transmutation: Hypothesis of Ramsey and Experiments of Rutherford"

Thaddeus J. Trenn (Max Planck Institute - Starnberg)

Commentator: Marx Wartofsky (Boston University)

1:00 P.M.

Scientists Go to Sea: Voyages of Scientific Exploration in the Nineteenth Century

(Co-sponsored with AAAS Section L)

SH/Executive

Arranger: Harold L. Burstyn (Carnegie-Mellon University)

Chairman: George Basalla (University of Delaware)

"British Science Goes to Sea"

Harold L. Burstyn (Carnegie-Mellon University)

"The Professionalization of Marine Biology in America"

Edward Lurie (University of Delaware)

Commentators: Walter F. Cannon (Smithsonian Institution)

Rudolf S. Scheltema (Woods Hole Oceanographic Institution)

Historical Sociology of Science (Co-sponsored with AAAS Sections L and K)

SH/Club Room B

Arranger and Chairman: Harriet Zuckerman (Russell Sage Foundation)

"The Interaction of Science and the New Class: The Case of Manchester in the Industrial Revolution"

Arnold Thackray (University of Pennsylvania)

"Nature and Nurture: The Social Contexts of Nuclear Physics Before the Bomb"

Charles Weiner (Center for History and Philosophy of Physics)

"The Social Construction of Science" (Section L, Vice-Presidential Address)

Everett Mendelsohn (Harvard University)

Commentator: Lewis Coser (State University of New York, Stony Brook)

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AAAS Sessions of Possible Interest to members of the History of Science Society

December 28 (A.M.) "Mid-Nineteenth Century Geology": Papers by Jean Sidar, Michele Aldrich, Cecil Schneer, Philip J. Lawrence, John W. Wells, and Stephen D. Beckham.

December 29 "Genetics since Mendel": Arranged by Garland E. Allen



On December 1, 1972, the following individuals were present at the meeting held at the residence of the undersigned:

- Mr. J. Edgar Hoover
- Mr. W. J. Mohr
- Mr. J. C. Casper
- Mr. J. B. Connelley
- Mr. J. P. ...

The following items were discussed:

1. The proposed meeting for the History of Science Society, to be held on December 1, 1972, at the residence of the undersigned.

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MEMORANDUM FOR THE RECORD

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