

History of Science Society

NEWSLETTER



Volume III, Number 2

May, 1974

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 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 55455. The deadline for receipt of news items for the August issue is July 20, and THIS WILL BE THE ONLY CALL FOR NEWS THAT WILL BE ISSUED.

1974 HSS 50TH ANNIVERSARY MEETING IN NORWALK, CONNECTICUT (OCTOBER 25-27)

The History of Science Society will hold its 50th Anniversary Meeting in Norwalk, Connecticut, on Friday, Saturday, and Sunday, October 25-27, 1974. The Burndy Library, founded by Bern Dibner, will host the meeting. The Local Arrangements Chairwoman is Professor Nancy Stepan, University of Massachusetts at Amherst (home address: 999 Forest Road, New Haven, Connecticut 06515). Program Chairman is Professor Michael J. Crowe, Program in History and Philosophy of Science, University of Notre Dame, Notre Dame, Indiana 46556. A tentative program appears below. Professor John C. Greene, University of Connecticut, is the Anniversary Committee Chairman. Special commemorative events and historical exhibits are planned for the meeting.

PRE-REGISTRATION FORM

1974 HSS 50TH ANNIVERSARY MEETING, NORWALK, CONNECTICUT (OCTOBER 25-27)

Name _____

Affiliation _____

or

Mailing Address _____

____ Enclosed is \$5.00 registration fee (students, \$2.00).

____ Also enclosed, \$8.95 for the banquet on Friday evening, October 25.

Checks should be made out to the History of Science Society and mailed together with this form to Isis Editorial Office, Smithsonian Institution, Washington, D.C. 20560.

TENTATIVE PROGRAM

1974 HSS 50TH ANNIVERSARY MEETING, NORWALK, CONNECTICUT (OCTOBER 25-27)

I. Opening Sessions: Developments in Six Major Areas of the History of Science since the Founding of the History of Science Society (1924-1974).

Carl B. Boyer (Brooklyn College): History of Mathematics.

I. Bernard Cohen (Harvard University): Newton and the Scientific Revolution.

John C. Greene (University of Connecticut): Darwinian Studies.

Henry M. Leicester (University of the Pacific): History of Chemistry.

Jane M. Oppenheimer (Bryn Mawr College): History of Biology (and Embryology).

Lynn White, Jr. (University of California, Los Angeles): Medieval Technology.

Commentators: To be announced.

II. A Half Century of the History of Science Society. A general session scheduled for Friday afternoon.

Presiding: Henry Guerlac (Cornell University).

Opening Remarks: I. Bernard Cohen (Harvard University).

Panelists: To be announced (some members of the HSS from its early days).

III. Alternatives in Historical Methodology. A session devoted to consideration of quantitative, oral and social history as related to the history of science with comment on the continuing claims of textual analysis. Reflections on the pertinence of concern for new methods of research in light of the needs of our presumed audience.

William Coleman (Johns Hopkins University), Chairman.

John Heilbron (University of California, Berkeley).

Saul Benison (University of Cincinnati).

Mark Adams (University of Pennsylvania).

Owen Hannaway (Johns Hopkins University).

George Basalla (University of Delaware).

IV. Historiography of Mathematics.

Thomas W. Hawkins (Boston University), Chairman.

Joseph W. Dauben (Harvard University).

Judith V. Grabiner (California State College, Dominguez Hills).

Tim Le Noir (Indiana University).

Stephen Regoczei (University of Toronto).

Commentator: Thomas S. Kuhn (Princeton University).

V. Recent Writings in the Historiography of Science.

Maurice A. Finocchiaro (University of Nevada, Las Vegas): The Historiographic Thought of Maurice A. Finocchiaro.

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Smithsonian Institution
Washington, D.C. 20560

Nicholas H. Steneck (University of Michigan) and Jean-Claude Guédon (Université de Montréal): The Historiographic Thought of Michel Foucault.

Noretta Koertge (University of Indiana): The Historiographic Thought of Imre Lakatos.

Commentators: To be announced.

VI. C. S. Peirce: Scientist and Historian.

Thomas B. Settle (Polytechnic Institute of New York), Chairman.

Carolyn Eisele (Hunter College, CUNY).

Max H. Fisch (Texas Tech University).

Victor Lenzen (University of California, Berkeley).

VII. Evaluation of the New Research Resulting from the Copernicus Commemoration Year 1973.

Edward Rosen (City University of New York), Chairman.

Owen Gingerich (Harvard University and Smithsonian Astrophysical Center).

Paul Lawrence Rose (New York University).

Noel Swerdlow (University of Chicago and the Institute for Advanced Study).

Commentator: To be announced.

VIII. Undergraduate Education in the History of Science.

Harold I. Sharlin (Iowa State University), Chairman.

IX-XI. Work in Progress Sessions.

Thomas Cadwallader (Indiana State University): "Neutral Control and Brain Localization in the Edwin Smith Papyrus."

Bruce Eastwood (University of Kentucky): "Analogy in the Optics of Descartes and Grimaldi."

June Z. Fullmer (Ohio State University): "Humphry Davy: Reform President of the Royal Society."

George Gale (University of Missouri, Kansas City): "Leibniz and Some Aspects of Field Dynamics."

Elizabeth Garber (State University of New York at Stony Brook): "James Jeans' First Gas Theory and the Uses of Failure in Physics."

Judith Goodstein (California Institute of Technology): "Levi-Civita, Einstein and the Italian Connection."

Edwin M. Jaehne (University of Utah): "John Donne on Man and the New Philosophy in the Anniversarie Poems."

Reese V. Jenkins (Case Western Reserve University): "Franz von Baader and German Naturphilosophie."

Melvin Keiner (Mercy College): "The Pharmacology of Moses Maimonides: A Model for the Study of Humoral Medicine."

HOTEL RESERVATIONS FORM

1974 HSS 50TH ANNIVERSARY MEETING, NORWALK, CONNECTICUT (OCTOBER 25-27)

The Local Arrangements Committee announces that hotel reservations for the 1974 HSS 50th anniversary meeting may now be made. Please send the following reservation form to: Reservation Manager, Holiday Inn of Norwalk, 489 Connecticut Avenue, Norwalk, Conn. 06854.

Name _____

Address _____

I wish to reserve: A single room (\$20) A shared double (\$25).

I will stay the following nights: Oct. 24 Oct. 25 Oct. 26 Oct. 27.

- Martin Dyck (Massachusetts Institute of Technology): "Goethe and Mathematics."
John T. Kelly (Harvard University): "Almanac Makers in 17th Century English & American Science."
Malcolm Kottler (Yale University): "George Romanes and Evolutionary Theory after Darwin."
Deirdre M. La Porte (University of Notre Dame): "Women, Science and Education in the Early 18th Century."
John Lyon (University of Notre Dame): "Moral Arithmetic and the Manner of Studying Natural History."
William McGucken (University of Akron): "The Society for Freedom in Science: 1940-1945."
Raymond J. Maras (University of Dayton): "Napoleon, Science, and the Natural Man."
Saleh Omar (University of Chicago): "Ptolemy and Alhazen: A Comparative Study of Their Methods in Optics."
Leroy E. Page (Kansas State University): "Roderick I. Murchison and His Controversy with Adam Sedgwick."
Harry W. Paul (University of Florida): "The Reception of Duhem's Ideas on Science by Catholic Intellectuals."
Shirley Roe (Harvard University): "The Haller-Wolff Debate over Embryological Development: 1758-1770."
Paul E. Sherman (Pace University): "Clerk Maxwell's Contribution to Color Theory."
Phillip Sloan (University of Washington): "Buffon, Adanson and Lamarck on the Natural System."
Alice Stroup (Somerville College, Oxford University): "The Development of Chemical Identification Tests in the 17th Century."
Kenneth Thibodeau (University of Notre Dame): "Class, Culture and Science in Germany in the Late Sixteenth Century."
Glenn Vandervliet (Northfield Mount-Hermon School): "Ferdinand Cohn and Robert Koch: The Centennial of a Life-Saving Paradigm."
John A. Waring: "The Three Postulates of Science and the Ideologies Historically Antithetical to Them."
Susan P. Wright (Harvard University): "Henri Poincaré: An Unpublished Letter on the Principle of Relativity."

Notes:

1. A fiftieth anniversary banquet as well as a special luncheon are to be included in the program.
 2. The business meeting, which will include a report of the Committee on Revision of HSS Statutes, will be held Saturday evening.
 3. The program will terminate at approximately noon on Sunday, October 27. On Sunday afternoon, the historians of science of Yale University will host a reception at Yale with transportation provided.
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Reservation Manager
Holiday Inn of Norwalk
489 Connecticut Avenue
Norwalk, Conn. 06854

HISTORICAL EXHIBITS

1975 HSS 50TH ANNIVERSARY MEETING, NORWALK, CONNECTICUT (OCTOBER 25-27)

The Program Committee has already made some special plans to celebrate the 50th anniversary of the founding of our Society, but it is hoped that a number of historical exhibits showing the development of the history of science at various universities will also be displayed. We hereby urge persons at each of the major centers for the history of science to prepare exhibits of the development of the history of science at their universities or institutions. Such exhibits might include lists of historians of science who now teach or have taught and/or received doctorates from the university, ideally illustrated with photos. Pictures or descriptions of current programs or of special meetings or events held at various universities or institutions might also be included. Mr. Bern Dibner, Founder and Director of the Burndy Library, has agreed to display such materials at his library during the meeting and to provide cardboards (2 x 3 feet) on which they may be mounted, provided they are requested in advance. Questions concerning such exhibits may be directed to Professor Michael J. Crowe, Program Chairman, 1974 HSS Meeting, Program in History and Philosophy of Science, University of Notre Dame, Notre Dame, Indiana 46556.

STATEMENT FROM STANDING COMMITTEE ON WOMEN

In recognition of the legal and moral obligation of universities to protect the rights of their members and to implement equal opportunity at all levels, the Standing Committee on Women in the History of Science is especially interested in assuring that all members of the profession be appropriately informed of the proper and most effective avenues to be pursued in the event of suspected discrimination. With this in view, the Standing Committee recommends that use be made of the well-established procedures afforded by (1) the Equal Employment Opportunity Officer of the university or institution in question; (2) Margaret L. Rumbarger, Associate Secretary, American Association of University Professors, 1 Dupont Circle, Washington, D.C. 20036; and (3) Bernice Sandler, Association of American Colleges, 1818 R St. N. W., Washington, D.C. 20009. The last name is recommended especially for legal questions and concerns. The Standing Committee itself would also naturally be interested to learn of inquiries or complaints that have been addressed to any of the above or to other channels, and, in the event that such should prove to be the case, of their successful resolution.

BABYSITTING SERVICES AND CHEAP ACCOMMODATIONS

1974 HSS 50TH ANNIVERSARY MEETING, NORWALK, CONNECTICUT (OCTOBER 25-27)

The Local Arrangements Committee is investigating the possibility of providing babysitting services and cheap accommodations for those really needing them while attending the 1974 HSS 50th anniversary meeting. Will those interested please send the following information immediately to: Professor Nancy Stepan, Department of History, Herter Hall 712, University of Massachusetts, Amherst, Mass. 01002.

Name _____

Address _____

I am interested in babysitting facilities for _____ (number) children, ages _____.

I am interested in cheap accommodations, if they can be found. I prefer a single room.

I prefer a shared double room.

WOMEN'S ROSTER AND QUESTIONNAIRE--REMINDER

Anyone who has not filled out and returned the Women's Roster and Questionnaire published in the last (February) Newsletter is urged to do so as soon as possible.

1973 HENRY SCHUMAN PRIZE

PLEASE POST THIS ANNOUNCEMENT FOR STUDENTS

The competition for the annual award of \$250, established in 1955 by Ida and the late Henry Schuman of New York City for an original prize essay in the history of science and its cultural influences, is open to graduate and undergraduate students in any American or Canadian college, university or institute of technology. Papers submitted for the prize competition should be approximately 5,000 words in length, exclusive of footnotes, and thoroughly documented. It is hoped that the prize-winning essay will merit publication in Isis.

It was the wish of the donors that "history of science and its cultural influences" be interpreted very broadly. The papers may deal with the ideas and accomplishments of scientists in the past; they may trace the evolution of particular scientific concepts; or study the historical influences of one branch of science upon another. The phrase "cultural influences" is taken to include studies of the social and historical conditions that have influenced the growth of science, or the effects of scientific developments upon society in the realms of philosophy, religion, social thought, art and literature, economic progress, etc. Essays dealing with medical subjects are not acceptable, although papers dealing with the relations between medicine and the natural sciences will be welcome.

The Schuman Prize Committee, which is appointed by the President of the HSS, is this year chaired by Professor Edith Sylla, Department of History, North Carolina State University, Raleigh, North Carolina 27607, and consists in addition of Professors Mary P. Winsor (University of Toronto) and Edwin T. Layton (Case Western Reserve University). To be eligible for consideration, papers (not more than one from each competitor) must be received by Professor Sylla on or before July 1, 1974. It is requested that the names and institutions of the contributors be placed on a separate title page so that they may be removed before being read by the members of the Committee. The announcement of the Prize-winning essay will be made at the annual meeting of the History of Science Society.

Professor Nancy Stepan
Department of History
Herter Hall 712
University of Massachusetts
Amherst, Massachusetts 01002

IBM TOKYO-KYOTO TRAVEL GRANT

Members of the HSS owe a sincere debt of gratitude to the International Business Machines Corporation for its generous grant of \$5000 to help support the travel expenses of participants in the XIVth International Congress of the History of Science in Tokyo and Kyoto, August 19-27. This grant supplements a grant of \$10,000 from the National Science Foundation and a grant of \$6000 from the American Council of Learned Societies.

OREGON ACADEMY OF SCIENCES HISTORY OF SCIENCE SECTION

A section for the history of science was founded at the 1974 annual meeting of the Oregon Academy of Sciences. Its Chairman is Professor Kenneth L. Holmes, Oregon College of Education, Monmouth, Oregon 97361.

UNIVERSITY OF OXFORD CONTEMPORARY SCIENTIFIC ARCHIVES CENTRE

The Contemporary Scientific Archives Centre, University of Oxford, was established for an initial period of three years, following up a pilot project conducted by Professor Gowing and Miss J. Pye in 1968-69. It is financed by the Wolfson Foundation, the Ernest Cook Trust, Pergamon Press, the MacRobert Trusts and the Council of Engineering Institutions, and is responsible to the Joint Standing Committee on Scientific and Technological Records of the Royal Society and the Royal Committee on Historical Manuscripts. The Honorary Director is Margaret Gowing, Professor of the History of Science in the University of Oxford, with a staff of two, Mrs. J.B. Alton, Administrator, and Mrs. H.H. Weiskittel, Assistant. It is temporarily housed in Room 11, Indian Institute, Oxford, made available on very generous terms by the University of Oxford, pending the rehousing of the University Registry. The office opened on 2 April 1973. The tasks facing the Director and staff were: (i) to set up a working office; (ii) to establish a working framework within which the Centre could function during its three-year run; and (iii) to locate, process and deposit scientific and technological collections along the lines and in the numbers adumbrated in the report of the pilot project.

SEMICENTENNIAL FUND DRIVE

The HSS Fund Drive Committee is happy to report an encouraging response from the members of the Society to the "Appeal for Support" published in the February Newsletter. By April 1 the Treasurer of the Society had received \$4,980 in contributions and pledges to the Endowment Fund. Members who have not yet responded may do so by sending the form below to Professor John G. Burke, Treasurer, History of Science Society, Department of History, University of California at Los Angeles, Los Angeles, California 90024. Please Note: The name of Dr. Nathan Reingold, Smithsonian Institution, was inadvertently omitted from the list of members of the HSS Fund Drive Committee in the February Newsletter. Dr. Reingold is Acting Chairman of the Committee during the absence of the Chairman, Professor John C. Greene, from the USA April 10 - September 3, 1974.

To promote the work of the History of Science Society by helping to establish a permanent endowment fund, I pledge \$ _____ to the HSS Endowment Fund, to be paid during the years 1974-1976 as follows:

\$ _____ per annum 1974-1976 \$ _____ herewith enclosed

(Make checks payable to History of Science Society - Endowment Fund.)

PACIFIC LAZZARONI ELECTION OF OFFICERS AND REPORT ON SPRING MEETING
(APRIL 20, 1974)

Professor John Burke (University of California, Los Angeles) is a newly-elected officer (3 year term) of the Pacific Lazzaroni: West Coast History of Science Society. Co-presidents include Dr. Judith R. Goodstein (California Institute of Technology) and Professor Judith Grabiner (California State College, Dominguez Hills). The spring meeting of the Lazzaroni was held at the University of California Medical Center in San Francisco on April 20. Talks were given by J.B. Saunders, "Alexander von Humboldt and the Pacific Slope: His Medical Influence"; D. Rosenthal, "The 100 Years of the Rari- and Multi-Elastic Constants' Battle across the Channel"; J.F. Woodward, "Faraday on Gravitation"; P.W. van der Pas, "The Algebra of Aida Yasuaki"; L.S. Lerner and E. Gosselin, "Galileo and the Long Shadow of Bruno: A Wider Perspective on Galileo's 1633 Trial"; R.W. Seidel, "Physics in the West: The Development of Research-Oriented Physics in Three California Universities"; R. Filner, "Science and Politics in England, 1930-1945"; A. Thackray, "Prosopography as a Research Tool in the History of Science"; C. Leake, "Standards of Measurements and Nursery Rhymes." As is the Lazzaroni tradition, an uncommonly good dinner (this time, a Chinese banquet) followed.

UNIVERSITY OF PENNSYLVANIA EDGAR FAHS SMITH MEMORIAL COLLECTION
IN THE HISTORY OF CHEMISTRY

The Edgar Fahs Smith Memorial Collection in the History of Chemistry possesses, among its many resources, an unusually rich collection of reprints in the history of chemistry. Dr. Arnold Thackray is anxious to keep this collection up to date and to ensure its wide usefulness to historians of chemistry. He would therefore welcome offprints of appropriate articles, addressed to him at the Edgar Fahs Smith Memorial Collection, 6th Floor, Van Pelt Library, University of Pennsylvania, Philadelphia 19174.

CATALOGUE OF SCIENTIFIC WRITINGS IN MEDIEVAL LATIN MANUSCRIPTS

An information retrieval system for the contents of medieval Latin manuscripts which contain writings on all scientific topics is now being developed by Nan L. Britt, Jerry L. Ray, and Wesley M. Stevens. The work is based on descriptions of the contents of some 16,000 manuscripts manually recorded by the late Professor Francis S. Benjamin, Jr., of Emory University. The collaborators plan to complete the work that Professors Benjamin and Britt had begun prior to his death in November 1973, and to maintain an ongoing project of further data collection. It is planned that the resulting catalogue will have a built-in retrieval system that will prove beneficial to scholars working toward identification of manuscript copies of works, solution of authorship problems, current locations of manuscripts, names of previous owners, and other information needed for research in this area. Suggestions regarding the catalogue are welcome and should be sent to Professor Britt at the Department of History, Box 688, University of Nebraska at Omaha, Omaha, Nebraska 68101.

Professor John G. Burke, Treasurer
History of Science Society
Department of History
University of California at Los Angeles
Los Angeles, California 90024

COMPUTERIZED CATALOG OF MEDICAL AND SURGICAL
OBJECTS IN THE COLLECTIONS OF THE SMITHSONIAN INSTITUTION

COMPUTERIZED NATIONAL DIRECTORY OF HOLDERS
OF MEDICAL AND SURGICAL OBJECTS

Under the direction of Dr. Audrey B. Davis, Curator, Division of Medical Sciences, Smithsonian Institution, Washington, D.C. 20560, catalog information on the medical and surgical objects in the collections of the Smithsonian is now being computerized by object group. It is expected that catalog printouts of the microscopes and of objects used in bloodletting in the collections of the Division of Medical Sciences will be available by the end of 1974. Work will continue by object class such as stethoscopes, eyeglasses, and selected surgical instruments. This project has proceeded under grants from the Smithsonian Research Foundation and the Commonwealth Fund.

In addition, information is now being compiled on holders of medical and surgical objects in the United States other than the Smithsonian (museums, libraries, medical societies, private collectors) for computerization and eventual publication as a national directory. Descriptions of objects held will be included in as detailed form as is available. Leads to or information from holders will be appreciated. For further information, please contact Dr. Davis.

CANADIAN SOCIETY FOR HISTORY AND PHILOSOPHY OF MATHEMATICS
FIRST ANNUAL MEETINGS (JUNE 3-8, 1974)

The Canadian Society for History and Philosophy of Mathematics/Société Canadienne d'Histoire et de Philosophie des Mathématiques will hold its first annual meetings at the University of Toronto, June 3-4, 1974, and at Université Laval, June 6-7, 1974. The programme at the Toronto meeting will consist of sessions of invited lectures and contributed papers and the organizational business meeting. The invited lecturers are John L. Berggren, H.S.M. Coxeter, Stillman Drake, and Kenneth O. May, who will speak on the role of mathematics in the history of physical science. The program of contributed papers at Laval will be in conjunction with the annual Conference of the Canadian Mathematical Congress. For further information, please contact Charles V. Jones, Organizational Chairman, Department of Computer Science and Mathematics, Atkinson College, York University, Downsview, Ontario, M3J 3R7, Canada.

PHILOSOPHY OF SCIENCE ASSOCIATION FOURTH BIENNIAL MEETING
(UNIVERSITY OF NOTRE DAME, NOVEMBER 1-3, 1974)

The Fourth Biennial Meeting of the Philosophy of Science Association will be held at the University of Notre Dame in the Center for Continuing Education, November 1-3, 1974. Symposia have been arranged on "The Unity of Science," "Genetics, I.Q. and Education," "Systems and Decision Theory," "Science Education and the Philosophy of Science," "Marxist Philosophy of Science," "Technology Assessment," "Velikovsky and the Politics of Science," "Quantum Logics," "Development of the Philosophy of Science," and "History and Philosophy of Biology." For further information, please contact Professor Peter D. Asquith, Department of Philosophy, Morrill Hall, Michigan State University, East Lansing, Michigan 48823.

NEBENZAHL LECTURES IN THE HISTORY OF CARTOGRAPHY, NEWBERRY LIBRARY
(CHICAGO, NOVEMBER 14-16, 1974)

The Fourth Series of the Kenneth Nebenzahl, Jr., Lectures in the History of Cartography will be given at The Newberry Library, Chicago, November 14-16, 1974. They will constitute a symposium on "Mapping the American Revolution," and will consist of two papers by J. Brian Harley, "The Eighteenth Century (I). American Military Maps: A European Culture" (November 14) and "The Eighteenth Century (II). Maps and Military

Decision Making" (November 15); a paper by William H. Goetzmann, "The Nineteenth-Century Mapping of the American Revolution" (November 15); and a paper by Barbara Bartz Petchenik, "The Twentieth-Century Mapping of the American Revolution" (November 16). All lectures will be held in the Fellows' Lounge of The Newberry Library. A special exhibition of maps of the American Revolution will be on view during November. For further information, please contact Dr. David Woodward, Program Director, Hermon Dunlap Smith Center for the History of Cartography, The Newberry Library, 60 West Walton Street, Chicago, Illinois 60610.

MEDIEVAL AND RENAISSANCE STUDIES CONFERENCE
(LOS ANGELES, FEBRUARY 6-9, 1975).

The Center for Medieval and Renaissance Studies at the University of California, Los Angeles, in conjunction with a number of neighboring institutions, will sponsor an international conference of distinguished American and European scholars to consider the multiple ways in which the discovery of the New World affected the thought, modes of life, and institutions of the Old. "First Images of America: The Impact of the New World on the Old" is being held in honor of the Renaissance Society of America, which will for the first time convene in the Western United States. The projected program, to be held February 6-9, 1975, includes twenty-two panels, broadly divided into three areas: the impact on the European imagination (art and literature); the impact on political institutions, legal concepts, and historiography; and the impact on economics, agriculture, science, and technology. The imposing roster of speakers includes top scholars from each of these fields. For further information write to The Center for Medieval and Renaissance Studies, Bunch Hall, University of California at Los Angeles, Los Angeles, California 90024.

FOURTH INTERNATIONAL CONGRESS ON THE ENLIGHTENMENT
(YALE UNIVERSITY, JULY 13-20, 1975)

The Fourth International Congress on the Enlightenment will be held at Yale University, July 13-20, 1975. The Organizing Committee of the Congress has approved the planning of an Afternoon Session entitled: "Chemistry, Enlightenment Science." Three main themes will be explored in this session: (1) Chemists in Enlightenment societies (professional roles, links with cultural and scientific organizations, social and educational backgrounds of chemists, intellectual circles or networks, etc.); (2) Chemistry and its representations in the Eighteenth century (chemical languages, chemical symbols and concepts, iconography of chemistry, styles of instruments, of books, of the chemical discourses themselves, etc.); and (3) Extra-scientific uses of chemistry in the Enlightenment (chemistry and materialism, chemistry and Enlightenment ideologies (utility, progress, etc.), chemistry and theology, chemistry and literature, etc.). Three papers, one for each theme, will be chosen and distributed ahead of time. Papers and commentaries will be published in Studies on Voltaire and the Eighteenth Century. Interested scholars should send by September 1, 1974, a 500 to 700 word summary of their intended paper to Professor Jean-Claude Guéron, Institut d'histoire et de sociopolitique des sciences, Université de Montréal, C.P. 6128, Montréal 101, Québec, Canada. An ad hoc committee of historians of chemistry will select the three main papers on an anonymous basis. Their authors will be notified by October 1, 1974. Papers and summaries may be written in English or French.

REPORT ON MEETINGS OF METROPOLITAN NEW YORK SECTION OF HSS
(FEBRUARY 20 AND APRIL 30, 1974)

The Metropolitan New York Section of the HSS held its third meeting in the Graduate Center, City University of New York, February 20, 1974. Work in progress papers were presented by Malcolm Brown, "Mathematical Series in the 'Timaeus'"; Mary Elizabeth Bowen, "Robert Boyle, the Christian Virtuoso"; and Edythe Lutzker, "Waldemar M. Haffkine:

a Historical Appreciation." The Section's annual dinner meeting was held on April 30, 1974. An address was given by Henry Guerlac, who spoke on "Divergent Foreign Views of Jacksonian Science." Information on future meetings may be obtained from Professor Thomas B. Settle, Polytechnic Institute of New York, Brooklyn, New York 11201.

REPORT ON OHIO ACADEMY OF SCIENCE AND OHIO ACADEMY OF MEDICAL HISTORY
ANNUAL HISTORY OF SCIENCE MEETING (MARCH 16, 1974)

The annual History of Science meeting of the Ohio Academy of Science and the Ohio Academy of Medical History was held March 16, 1974, on the campus of The Ohio State University. In the morning, a symposium was held on "Medical Botany During the First Half of the Nineteenth Century in Eastern United States." The speakers were George E. Gifford, Jr., "The New England Area"; Dorothy I. Lansing, "The Philadelphia Area"; and Eugene H. Conner and Ronald L. Stuckey, "The Ohio Valley." The moderator was Emanuel D. Rudolph. In the afternoon John Burnham chaired a session of contributed papers by Ralph W. Dexter, "Contributions of Some Cincinnati-Area Physicians to the Development of Ohio Archaeology in the 19th Century"; Stanley L. Block, "Notes on the History of Medical Psychology in Cincinnati 1823 to 1973"; Katherine T. Barkley, "Reuben D. Mussey, Eminent Surgeon and Teacher of the 19th Century"; Lael Ely Bradshaw, "Samuel P. Hildreth: The Physician as Meteorological Observer"; and Cecil Striker, "Ex Libris and the Physician." For information on future meetings, please contact The Ohio Academy of Science, 445 King Avenue, Columbus, Ohio 43201.

REPORT ON GIORNATE INTERNAZIONALI DI STORIA DELLA SCIENZA (CAPRI,
APRIL 20-23, 1974)

An international conference on Lo scienziato e la metodologia del XVII secolo was held at the Institute for Advanced Studies, Villa Malaparte, Capri, Italy, April 20-23, 1974. The organizing committee consisted of Maria Luisa Bonelli Righini, Carlo Maccagni, and William Shea. Professor Vasco Ronchi delivered the opening address on April 20. On April 21 papers were presented by A.G. Debus, "The Chemical Philosophers and Seventeenth-Century Science" (Commentators: C. Vasoli and T. Gregory) and G. Righini, "Considerazioni sui diagrammi della Luna nel Siderius Nuncius" (Commentators: O. Gingerich and W. Hartner). On April 22 papers were presented by G. Belloni, "Malpighi e la medicina del XVII secolo" (Commentators: F. Duchesneau and J.M. López Piñero) and S. Drake, "Galileo's New Science of Motion" (Commentators: A. Crombie and P. Costabel). On April 23 papers were presented by R.S. Westfall, "Newton and Alchemy" (Commentators: P. Casini and M. Boas Hall) and P. Rossi, "La rivoluzione metodologica del secolo XVII" (Commentators: A. Rupert Hall and R. Taton).

REPORT ON MINNESOTA CONFERENCE ON PHILOSOPHICAL FOUNDATIONS
OF RELATIVITY THEORY (MINNEAPOLIS, MAY 9-11, 1974)

The Minnesota Center for Philosophy of Science sponsored a conference on "Philosophical Foundations of Relativity Theory" at the University of Minnesota, Minneapolis, May 9-11, 1974. The conference was organized by Professor John Earman and consisted of papers by Howard Stein, "Some Philosophical Prehistory of General Relativity" (Commentator: Arthur Fine); Clark Glymour, "Indistinguishable Space-Times" (Commentator: David Malament); Robert Geroch, "The Role of Prediction in General Relativity" (Commentator: John Earman); John Winnie, "Space-Time Congruence" (Commentator: Lawrence Sklar); Michael Friedman, "Simultaneity in Newtonian Mechanics and Special Relativity from a Four-Dimensional Point of View" (Commentator: Peter Bowman); and Peter Bowman, "The Conventionality of Slow-Transport of Synchrony" (Commentator: Michael Friedman). It is anticipated that these papers will be published together as a future volume of the Minnesota Studies in the Philosophy of Science.

ECUMENICAL AND CULTURAL RESEARCH GRANTS

Research grants are available from the Institute for Ecumenical and Cultural Research, Collegeville, Minnesota. The work of the Institute is primarily research, for which it offers ten grants-in-aid or scholarship equivalents consisting of rent-free housing for the scholar and his family. The housing, situated on the banks of a lake and designed by Marcel Breuer, consists of completely furnished apartments in the Institute complex, together with free heat, water, and light. Tenure is usually 1 academic year, but summer and 6-month Fellowships are also available. Fields considered for research are religion primarily, but also the humanities other than religion and social sciences, as they relate to ecumenism, or man's search for unity in the inhabited world, broadly considered. Students of history, philology, art, theology, philosophy, music and other fields are encouraged to use the Monastic Manuscript Library, with over 28,000 manuscripts from monasteries in Austria as well as some in Italy, and with photographs of almost the complete manuscript collection of the National Library of Vienna. The Monastic Manuscript Microfilm Library offers one of the largest and most varied collections of medieval source materials available anywhere. Application is by special form available from the Institute. Purpose of the grants-in-aid is to provide the scholars of a variety of disciplines and religious faiths with the facilities and atmosphere conducive to cross-disciplinary and theological research. The Institute welcomes both individual and team research projects, with preference given to small team projects involving 3-5 scholars. The scholar must be freed from other employment and reside at the Institute. He is expected to participate in two weekly seminars with the Fellows, interested faculty of St. John's University, and other scholars in the area. Applications for the year 1975-76 must be in by January 1, 1975. For further information, please write to Fr. Kilian McDonnell, OSB, President, Institute for Ecumenical and Cultural Research, Collegeville, Minnesota, 56321.

AWARDS AND HONORS

Norriss S. Hetherington, Assistant Professor of History and Chairman of the Program in History and Philosophy of Science at the University of Kansas, has received a National Endowment for the Humanities Fellowship for the 1974-75 academic year for Studies in the Interrelationships between Human Values and Science and Technology. He will be collecting the papers of the astronomer Edwin Hubble as part of his project and would appreciate information as to the whereabouts of any Hubble correspondence.

Daniel P. Jones, Assistant Professor of the History of Science, Oregon State University, has been awarded a National Endowment for the Humanities Fellowship for a study of the interrelationships between human values and science and technology.

Edythe Lutzker, 201 West 89th Street, New York, N.Y. 10024, was invited to participate in the international Platinum Jubilee of the Haffkine Institute in Bombay. The year-long commemorations of its 75 years began in August, 1973. She addressed the opening scientific session on January 13, 1974, and her Haffkine biographical article is published in the Platinum Jubilee Commemoration Volume. In cooperation with the World Health Organization, scientists from the U.S.A., the U.K., Switzerland, Belgium, Japan, Federal Republic of Germany, and the USSR also read papers on their special field of tropical medicine. Future plans of the Haffkine Institute include Chairs for Research supervised by eminent scientists, Haffkine scholarships and prizes, and an annual Dr. Haffkine Memorial Oration given by an outstanding scientist from India or abroad. A new organization, "Friends of the Haffkine Institute," has been launched to inform and educate, and to encourage support and participation of people from many lands.

Arnold Thackray, Chairman of the Department of History and Sociology of Science, University of Pennsylvania, and Whitfield J. Bell, Jr., Librarian of the American Philosophical Society, have been awarded a planning grant from the National Endowment for the Humanities to arrange an International Bicentennial Congress in Philadelphia in 1976 on "The Eighteenth Century Revolution in Science." The Congress will hold sessions both at the University and at the American Philosophical Society.

APPOINTMENTS AND PROMOTIONS

Charles Weiner, Director of the Center for History of Physics at the American Institute of Physics (AIP), has been appointed Professor of History of Science and Technology at Massachusetts Institute of Technology, effective July 1, 1974. The AIP has established a search committee under the chairmanship of Professor Martin J. Klein to select a historian of modern physics to replace Dr. Weiner. Joan Nelson Warnow will serve as Acting Director of the Center in the interim. Dr. Weiner will serve as an advisor to the Center on special projects.

FELLOWSHIPS AND GRANTS

The American Council of Learned Societies (ACLS) recently awarded thirteen post-doctoral fellowships for research in the humanities and related social sciences. Included were: (1) Lillian Hartmann Hoddeson, Assistant Professor of Physics, Rutgers University, Rutgers College, "Historical study in solid state physics"; and (2) Paul R. Teller, Associate Professor of Philosophy, University of Illinois, Chicago Circle, "Quantum mechanics and its interpretation."

The ACLS also recently awarded Grants-in-Aid to forty-three scholars from thirty-nine academic institutions for post-doctoral research in the humanities and related social sciences. Included were: (1) Fredric L. Cheyette, Associate Professor of History, Amherst College, "Medieval land settlement patterns, road systems, and fortifications in Languedoc, France"; and (2) Stanley M. Elkins, Professor of History, Smith College, "The age of Washington and Jefferson."

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.

University of California at Los Angeles

Bruce T. Moran, "Science at the Court of Hesse-Kassel, 1532-1632" (in progress).

University of Massachusetts (Botany Department)

E. David Kohn, "Charles Darwin's Botany: Floral Biology and Plant Breeding, 1829-1858" (in progress).

University of Montreal

Gilbert Lannoy, "Le développement de la physique flamande à l'Université de Gand, 1910-1950" (M. Sc., in progress).

University of North Carolina at Chapel Hill

Betty Jo Teeter Dobbs, "The Foundations of Newton's Alchemy, or 'The Hunting of the Greene Lyon'" (completed).

Oregon State University

Marshall W. Allen, "The Organismic Debate of Early Twentieth Century Biology." (M.A., in progress).

Walter L. Bell, "Charles Babbage: A Scientific Biography" (in progress).

Keith Rodney Benson, "John Turberville Needham (1713-1781) and Eighteenth Century Theories of Generation" (M.A., completed).

Michael P. Kinch, "Rival British Theories of Biogeography, 1800-1859" (M.A., in progress).

Donald J. McGraw, "Vancomycin: The History of an Antibiotic" (in progress).

Peter G. Wiinikka, "An Historical Study of J. J. Thompson's Corpuscular Atom" (in progress).

St. John's University

Joseph King-hap Ku, "Hsu Kuang-chi: Chinese Scientist and Christian (1562-1633)" (175 pp., completed and abstracted in Dissertation Abstracts International, V. 34, No. 7, Jan. 1974, pp. 4124-25-A; University Microfilms order no. 73-29, 965).

BOOKS RECEIVED BY ISIS: JANUARY-APRIL 1974

- T. A. Allibone, Rutherford, the Father of Nuclear Energy. The Rutherford Lecture delivered on 3 November 1972 at the Polytechnic of Central London, 24 pp. Manchester: Manchester Univ. Press, 1973, 48 p. (paper).
- Michael Audi, The Interpretation of Quantum Mechanics. xiv + 200 pp., bibl., index. Chicago: Univ. of Chicago Press, 1974. \$11.50.
- E. Scott Barr, An Index to Biographical Fragments in Unspecialized Scientific Journals. vii + 294 pp. University: Univ. of Alabama Press, 1974. \$12.50.
- Robert J. Baum, Philosophy and Mathematics. From Plato to the Present. x + 320 pp., bibl., index. San Francisco: Freeman, Cooper & Co., 1973.
- J. C. Beaglehole, The Life of Captain James Cook. xi + 760 pp., 44 plates, map, bibl., index. Stanford: Stanford Univ. Press, 1974. \$18.50.
- Bibliography of the History of Medicine. (National Library of Medicine, DHEW Publication No. (NIH) 73-315.) No. 7, 1971. vi + 263 pp. Washington, D.C.: U.S. Gov't Printing Office, 1973. \$3.00 (paper).
- Bronislaw Bilinski, La Vita di Copernico di Bernardino Baldi dell'anno 1588 alla luce dei ritrovati manoscritti delle 'Vite dei matematici.' (Accademia Polacca delle Scienze, Biblioteca e Centro di Studi a Roma, Conferenze, Fascicolo 61.) 109 pp., 4 plts. Wroclaw/Warszawa: Ossolineum, 1973. 28 zl.
- Stuart S. Blume, Toward a Political Sociology of Science. xii + 288 pp., index. New York: The Free Press, 1974. \$9.95.
- Bernard Bolzano, Theory of Science. Edited, with an Introduction, by Jan Berg. Translated from the German by Burnham Terrell. (Synthese Historical Library.) xiii + 398 pp., 1 plt., bibl., index. Dordrecht/Boston: D. Reidel, 1973. f. 125.--
- Amariah Brigham, Remarks on the Influence of Mental Cultivation and Mental Excitement upon Health (2d ed., 1833) and Observations on the Influence of Religion upon the Health and Physical Welfare of Mankind (1835). Facsimile reproductions with an Introduction by Ernest Harms. (History of Psychology Series.) xvi + 231 pp., 1 illus. Delmar, N.Y.: Scholars' Facsimiles and Reprints, 1973.
- Saul Nathaniel Brody, The Disease of the Soul: Leprosy in Medieval Literature. 223 pp., 12 illus., bibl., index. Ithaca, N.Y.: Cornell Univ. Press, 1974. \$9.50.
- Richard J. Brook, Berkeley's Philosophy of Science. (International Archives of the History of Ideas, 65.) 210 pp., bibl. The Hague: Martinus Nijhoff, 1973. 45 guilders.
- Sanborn C. Brown (ed.), Physics Fifty Years Later. As presented to the XIV General Assembly of the International Union of Pure and Applied Physics on the occasion of the Union's fiftieth anniversary, September 1972. vii + 406 pp., illus., index. Washington, D.C.: National Academy of Sciences, 1973. \$11.
- D. J. Bryden, Scottish Scientific Instrument-Makers 1600-1900. (Technology 1.) ix + 59 pp., illus., index. Edinburgh: Royal Scottish Museum, 1972.
- Oeuvres complètes d'Augustin Cauchy. IIe Serie: Mémoires divers et ouvrages, Tome XV. Publiées sous la direction scientifique de l'Académie des Sciences. viii + 640 pp., bibl. Paris: Gauthier-Villars, 1974.
- Centro per la storia della tecnica in Italia del Consiglio nazionale delle ricerche, Guerra e commercio nell'evoluzione della marina genovese tra XV e XVII secolo. Tomo secondo. 421 pp., tables. Genova: Consiglio Nazionale delle Ricerche, 1973. L. 4,000 (paper).
- Scientific Papers of Arthur Holly Compton. X-Ray and Other Studies. Edited, with introduction, by Robert S. Shankland. xxix + 773 pp., 7 illus., bibl. Chicago: Univ. of Chicago Press, 1974. \$27.50.
- Carl W. Condit, Chicago 1930-70. Building, Planning, and Urban Technology. xvi + 351 pp., 115 illus., tables, bibl., index. Chicago: Univ. of Chicago Press, 1974. \$12.50.
- Symposium on Copernicus, including three papers read at the Annual General Meeting, April 20, 1973. (Proceedings of the American Philosophical Society, December 31, 1973, Vol. 117, Number 6.) pp. 413-552. Philadelphia: American Philosophical Society, 1973. \$1.00 (paper).
- Richard C. Dales, The Scientific Achievement of the Middle Ages. ix + 182 pp., bibliographic essay. Philadelphia: Univ. of Pennsylvania, 1973. \$3.45 (paper).

Tobias Dantzig, Le nombre, langage de la science. Traduit de l'anglais par le Colonel Georges Cros. Nouveau tirage augmenté d'une Préface de Michel Bernelle. 249 pp. Paris: Librairie Scientifique et Technique, Albert Blanchard, 1974. 28 F (paper).

Darwin on Man: A Psychological Study of Scientific Creativity by Howard E. Gruber, together with Darwin's Early and Unpublished Notebooks, transcribed and annotated by Paul H. Barrett. Foreword by Jean Piaget. xxv + 495 pp., illus., index. New York: Dutton, 1974. \$20.

Michael Dickreiter, Der Musiktheoretiker Johannes Kepler. (Neue Heidelberger Studien zur Musikwissenschaft, Band 5.) 252 pp., bibl., index. Bern/München: Francke Verlag, 1973. Sfr. 48.--

Reuben Fine, The Development of Freud's Thought: From the Beginnings (1886-1899) through Id Psychology (1900-1914) to Ego Psychology (1914-1939). xiv + 307 pp., bibl., index. New York: Jason Aronson, 1973 [first edition 1962]. \$10.00.

Eric G. Forbes, The Birth of Scientific Navigation. The solving in the 18th century of the problem of finding longitude at sea. (Maritime Monographs and Reports, No. 10, 1974.) vii + 25 pp., 21 illus. Greenwich, London: National Maritime Museum, 1974.

R. J. Forbes (ed.) Martinus Van Marum, Life and Work. Vol. III. xiii + 386 pp., illus., index. Haarlem: H. D. Tjeenk Willink & Zoon; Portland, Ore.: International Scholarly Book Services, 1971. \$21.25.

Robert Fox, The Caloric Theory of Gases from Lavoisier to Regnault. xv + 378 pp., tables, bibl., index. Oxford: Clarendon Press; New York: Oxford Univ. Press, 1971. \$24.

John G. Fuller, Fever! The Hunt for a New Killer Virus. 297 pp., bibl., index. New York: Reader's Digest Press, 1974. \$8.95 [Concerns the discovery of Lassa fever in 1969.]

Raffaele Folino Gallo, I principi della dinamica Galileiana (1584-1604). 71 pp. Chiaravalle: Framasud S.p.A., 1973.

Patsy A. Gerstner, The Care and Exhibition of Medical History Museum Objects. (Health Sciences Information Series, Vol. 1, No. 6.) ix + 47 pp. Cleveland: Cleveland Health Sciences Library (Case Western Reserve University), 1974. \$1.75 (paper).

Paul Ghalioungui, The House of Life: Magical and Medical Science in Ancient Egypt; Revised edition (first edition, 1963). xiii + 198 pp., 17 illus., 26 pls., author index, subject index. Amsterdam: B. M. Israël, 1973. Hfl. 48.--

J. Gillis, Paul Mansion en George Sarton. (Mededelingen van de Koninklijke Academie voor Wetenschappen, Letteren en Schone Kunsten van België, Klasse der Wetenschappen, Jaargang XXXV, 1973, Nr. 2.) 21 pp., 2 illus., bibl., French summary. Brussels: Palais der Academien, 1973. 86.-- BF.

Adolf Grünbaum, Philosophical Problems of Space and Time. Second, enlarged edition. (Synthese Library: Boston Studies in the Philosophy of Science, Vol. XII.) xxiii + 884 pp., name index, subject index. Dordrecht/Boston: D. Reidel, 1973. \$46.00.

John S. Haller; Robin M. Haller, The Physician and Sexuality in Victorian America. xv + 331 pp., illus., bibl., index. Urbana: Univ. of Illinois Press, 1974. \$10.

J. L. Heilbron, H. G. J. Moseley: The Life and Letters of an English Physicist, 1887-1915. xiii + 312 pp., 26 illus., bibl., index. Berkeley: Univ. of California Press, 1974. \$15.

Mary Hesse, The Structure of Scientific Inference. vii + 309 pp., name index, subject index. Berkeley: Univ. of California Press, 1974. \$15.

David Hull, Philosophy of Biological Science. (Foundations of Philosophy Series.) xi + 148 pp., bibl., index. Englewood Cliffs, N.J.: Prentice-Hall, 1974. \$6.95 (cloth), \$2.95 (paper).

T. H. Huxley, The Crayfish. An Introduction to the Study of Zoology. New Foreword by Stephen A. Raymond. xxviii + 371 pp., illus., bibl., index. Cambridge, Mass./London: MIT Press, 1974. \$12.50.

F. R. Jevons, Science Observed. Science as a Social and Intellectual Activity. 186 pp., index. London: George Allen & Unwin, 1973; New York: Crane, Russak & Co., 1974. \$11.95.

K. L. Kahlbaum, Catatonia. Translated from the 1874 German monograph, by Y. Levi and T. Pridan. Introduction by George Mora. xviii + 102 pp., subject index, author index. Baltimore: Johns Hopkins Univ. Press, 1973. \$7.50.

Robert H. Kargon (ed.), The Maturing of American Science. A portrait of science in public life drawn from the presidential addresses of the American Association for the Advancement of Science 1920-1970. ii + 257 pp., index. Washington, D.C.: American Association for the Advancement of Science, 1974. \$15.95.

Fred S. Keller, The History of Psychology. A Personalized System of Instruction Course. Vol. 1: Instructor's Materials. 69 pp. Vol. 2: Selected Readings in the History of Psychology. A PSI Companion. 164 pp. Roanoke, Va.: The Scholars' Press, 1973.

E. S. Kennedy, A Commentary upon Biruni's Kitab Tahdid al-Amakin. An 11th Century Treatise on Mathematical Geography. xx + 270 pp., tables, bibl., index. Beirut: American University of Beirut, 1973. \$10.

Hubert C. Kennedy, Giuseppe Peano. (Kurze Mathematiker-Biographien: Beihefte zur Zeitschrift 'Elemente der Mathematik,' Nr. 14.) 31 pp., 2 illus. Basel: Birkhäuser Verlag, 1974. \$4.50 (paper).

J. Keuning, Willem Jansz. Blaeu. A Biography and History of His Work as a Cartographer and Publisher. Revised and edited by Marijke Donkersloot-de Vrij. 164 pp., illus. Amsterdam: Theatrum Orbis Terrarum; New York: Alan R. Liss, 1973. \$14.00.

Eberhard Knoblock, Die mathematischen Studien von G. W. Leibniz zur Kombinatorik. Auf Grund Überwiegend handschriftlicher Aufzeichnungen dargelegt und kommentiert. (Studia Leibnitiana - Supplementa, Band XI.) xvi + 277 pp., name index. Wiesbaden: Franz Steiner, 1973. DM 48.--

David Layton, Science for the People. The Origins of the School Science Curriculum in England. 226 pp., index. New York: Science History Publications, 1973. \$10.

Edwin T. Layton, Jr. (ed.), Technology and Social Change in America. (Interpretations of American History.) viii + 181 pp., bibl. New York: Harper & Row, 1973.

Message d'un mathématicien: Henri Lebesgue, pour le centenaire de sa naissance. Introductions et extraits choisis par Lucienne Félix. Préface par S. Mandelbrojt. ix + 256 pp. Paris: Librairie Scientifique et Technique, Albert Blanchard, 1974. 65 F (paper).

Ulrich Libbrecht, Chinese Mathematics in the Thirteenth Century. The Shu-shu chiu-chang of Ch'in Chiu-shao. (M.I.T. East Asian Science Series, Vol. 1.) xxxi + 555 pp., illus., glossary, bibl., index. Cambridge, Mass./London: M.I.T. Press, 1973. \$25.

R. Bruce Lindsay (ed.), Acoustics: Historical and Philosophical Development. (Benchmark Papers in Acoustics.) xiii + 465 pp., author index, subject index. Stroudsburg, Pa.; Dowden, Hutchinson & Ross, 1973. \$24.00.

Sir Bernard Lovell, The Origins and International Economics of Space Exploration. viii + 104 pp., index. New York/Toronto: John Wiley & Sons (A Halsted Press Book), 1974. \$4.50.

Edouard Lucas, L'arithmétique amusante. (Introduction aux Récréations Mathématiques.) Nouveau tirage, 1895 edition. viii + 266 pp., index. Paris: Librairie Scientifique et Technique, Albert Blanchard, 1974. 22 F (paper).

F. R. Maddison; A. J. Turner, Watches. (University of Oxford Museum of the History of Science, Catalogue 2.) vi + 91 pp., illus., bibl., index. Oxford: Museum of the History of Science, 1973. (paper).

Jagdish Mehra (ed.), The Physicist's Conception of Nature. Symposium on the development of the physicist's conception of nature in the twentieth century, held at the International Centre for Theoretical Physics, Miramare, Trieste, Italy, 18-25 September 1972. xxiii + 839 pp., name index. Dordrecht/Boston: D. Reidel, 1973. \$85.00.

Jacques Merleau-Ponty, Leçons sur la gènes des théories physiques. Galilée, Ampère, Einstein. (Sciences de l'Homme.) 172 pp., name index. Paris: Librairie Philosophique J. Vrin, 1974.

Hélène Metzger, Newton, Stahl, Boerhaave et la doctrine chimique. Nouveau tirage, 1930 edition. 332 pp., index. Paris: Librairie Scientifique et Technique, Albert Blanchard, 1974. 32 F (paper).

Eberhard Schmauderer (ed.) Der Chemiker im Wandel der Zeiten. Skizzen zur geschichtlichen Entwicklung des Berufsbildes. (Im Auftrag der Fachgruppe "Geschichte der Chemie" in der Gesellschaft Deutscher Chemiker.) 348 pp., illus. Weinheim/Bergstr.: Verlag Chemie, 1973. DM 39.-- (paper).

Thomas J. M. Schopf and Edward L. Bassett, F. A. Smitt, Marine Bryozoa, and the Introduction of Darwin into Sweden. (Transactions of the American Philosophical Society, New Series, Vol. 63, Part 7.) 30 pp., bibl. Philadelphia: American Philosophical Society, 1973. \$2.50 (paper).

Joan Solomon, The Structure of Space. The Growth of Man's Ideas on the Nature of Forces, Fields and Waves. (Physics and Humanities Series.) 219 pp., illus., index. New York: Halsted Press (John Wiley & Sons), 1974. \$10.95.

Mary Lee Spence, Donald Jackson (eds.), The Expeditions of John Charles Frémont. Vol. II: The Bear Flag Revolt and the Court-Martial. lii + 519 pp., illus., bibl., index. Urbana: Univ. of Illinois Press, 1974. \$17.50.

Frederick Suppe (ed.), The Structure of Scientific Theories. xiv + 682 pp., bibl., index. Urbana: Univ. of Illinois Press, 1974. \$22.50.

Niko Tinbergen, The Animal in Its World. Explorations of an Ethologist 1932-1972. Vol. II: Laboratory Experiments and General Papers. 231 pp. Cambridge, Mass.: Harvard Univ. Press, 1973. \$14.00.

G. L'E. Turner and T. H. Levere, Martinus van Marum, Life and Work. Vol. IV: Van Marum's Scientific Instruments in Teyler's Museum. (Edited by E. Lefebvre and J. G. De Bruijn.) ix + 401 pp., illus., bibl., index. Leyden: Noordhoff, 1973; Portland, Ore.: International Scholarly Book Services, 1974. \$24.

B. L. van der Waerden, Science Awakening II: The Birth of Astronomy. With contributions by Peter Huber. xv + 347 pp., illus., index. Leyden: Noordhoff International Publishing; New York: Oxford Univ. Press, 1974. Dfl. 98.00.

William A. Wallace, Causality and Scientific Explanation. Vol. II: Classical and Contemporary Science. xi + 422 pp., bibl., index. Ann Arbor: Univ. of Michigan Press, 1974. \$14.00.

Richard Whitley, Social Processes of Scientific Development. ix + 286 pp., index. London/Boston: Routledge & Kegan Paul, 1974. \$18.75.

Dieter Wyss, Psychoanalytic Schools from the Beginnings to the Present. Translated by Gerald Onn. Introduction by Leston L. Havens. 568 pp., index. New York: Jason Aronson, 1973 [first published 1961; English translation 1966]. \$15.00.

Science, Language, and the Perspective Mind. Studies in Literature and Thought from Campanella to Bayle. (Yale French Studies, Number 49.) 248 pp. New Haven: Yale French Studies, 1973. \$1.50.

Frances A. Yates, The Rosicrucian Enlightenment. xv + 269 pp., index. London/Boston: Routledge & Kegan Paul, 1972. \$15.00.

Hans J. Zacher, Die Hauptschriften zur Dyadik von G. W. Leibniz. Ein Beitrag zur Geschichte des binären Zahlensystems. (Veröffentlichungen des Leibniz-Archivs, 5.) viii + 384 pp., index. Frankfurt: Vittorio Klostermann, 1973. DM 52.50 (cloth), DM 46.50 (paper).

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.

NEW 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 listings.

1. Center for History of Physics, American Institute of Physics, 335 East 45th Street, New York, New York 10017.

Position: Director.

Status: Definite. Beginning Summer 1974.

Deadline: Applications should be submitted by 15 June if possible, but no later than 30 June 1974.

Specialty: Historian of modern physics.

Description: The American Institute of Physics, which is the federation of leading American societies in the field of physics, is seeking a historian of proven scholarly abilities for appointment as Director of the Center for History of Physics. The Center locates and arranges for the preservation of historical source materials at repositories throughout the United States; conducts studies on the development of physics and its relation to society; provides resources and facilities for research in its Niels Bohr Library; and communicates the results of these activities through publications and exhibits.

Note: The American Institute of Physics is an equal opportunity, affirmative action employer.

Contact: Professor Martin J. Klein, Chairman, Search Committee, c/o Center for History of Physics, American Institute of Physics, 335 East 45th Street, New York, N.Y. 10017.

2. Iowa State University, Ames, Iowa 50010.

Description: History of science and technology. Fall 1975. Rank open. Opportunity for program development. Good teaching essential. Publications. A strong second field desirable: European (especially 17th and 18th century), Asiatic, United States. Joint appointment, Departments of History and Mechanical Engineering.

Contact: Professor Louis G. Geiger, Chairman, Department of History.

3. University of Kansas, Lawrence, Kansas 60045.

Position: Visiting Assistant Professor, history of the physical sciences, 1974-75 academic year.

Duties: Teach the physical sciences part of a one semester survey in the history of science (fall and spring); 2 junior/senior courses on some aspect of the physical sciences (one each semester); seminar and/or advanced course to be arranged (flexible).

Status: Definite.

Contact: Professor N. Hetherington, H.L. McKinney or C. Sidman, Chairman, Department of History, enclosing a curriculum vitae.

4. University of Minnesota, Minneapolis, Minnesota 55455.

Position: Assistant Professor of the History of Science and Technology.

Status: Definite, beginning Fall 1975.

Deadline for applications: August 31, 1974.

Specialty: History of modern biology.

Description: Appointee would be expected to develop and teach courses on biology and society in historical perspective, as well as courses on the history of biology which place some emphasis on philosophical issues. He or she should be able to interact well with professional biologists.

Note: The University of Minnesota is an Equal Opportunity/Affirmative Action employer.

Contact: Professor Roger H. Stuewer, School of Physics and Astronomy. English and European candidates may wish to also discuss this position with Professor Alan E. Shapiro, whose address will be St. Edmund's House, Cambridge, England, from June 15 - August 15, 1974.

5. University of Pittsburgh, Pittsburgh, Pennsylvania 15213.

Position: Junior-level appointment in history of science.

Status: Possible for September 1974, definite for September 1975.

Description: Flexible as to field, although there would probably be a decided preference against someone working in science before the 17th century. What is more important than either field or period of specialization is that the candidate fulfill the following desiderata: (1) possess more than a passing familiarity with, and interest in, the history of philosophy (in its relation to science) and the philosophy of science; (2) have completed his/her Ph.D. and have genuine research potential; and (3) be an effective and exciting undergraduate teacher.

Contact: Professor Laurens Laudan, Chairman, Department of History and Philosophy of Science.

6. University of Rhode Island, Kingston, R. I. 02881.

Position: Temporary instructorship, July 1 - August 23, 1974 (summer session).

Description: Individual is sought to offer following course listed in bulletin: Zoology 473. History of Biology. Historical Development and interdependence of basic concepts of biology on allied fields in the natural sciences from pre-biblical times to the present. Prerequisite: junior standing or permission of the instructor. This course is offered Monday, Wednesday, Friday, 8:40 - 10:20 A.M., during the 8-week summer session. Salary is negotiable depending on experience, academic rank, etc. For an instructor, the salary would be about \$950 for the term.

Contact: Professor Donald J. Zinn, Acting Chairman, Department of Zoology, Biological Sciences Building (phone 401-792-2372).

7. University of Washington, Seattle, Washington 98105.

Position: Instructor or Assistant Professor of Biomedical History, beginning July, 1974. Appointee is expected to have a doctoral degree.

Description: Appointee would be expected to teach a survey course in the history of biology and other undergraduate and graduate courses related to the history of biology, amounting to ten (10) contact hours per week.

Note: The University of Washington is an Equal Opportunity/Affirmative Action employer.

Contact: Charles W. Bodemer, Professor and Chairman, Department of Biomedical History, School of Medicine.

8. West Virginia University, Morgantown, West Virginia 26506.

Position: Assistant Professor of History.

Status: To be filled by August, 1974, subject to final budgetary approval.

Description: History of Science. Assistant Professor to teach the history of science, to participate in the physical sciences segment of general education, and to develop interdisciplinary cooperative efforts between history and the sciences. Candidates should have Ph.D. in the field with B.A., B.S., or M.S. in one of the sciences, preferably chemistry, geology, or physics.

Contact: Dr. Charles W. Connell, Associate Professor of History and Assistant Dean, College of Arts and Sciences.

9. University of Wisconsin Center for Health Sciences, 1305 Linden Drive, Madison, Wisconsin 53706.

Position: Assistant Professor of the History of Medicine.

Qualifications: A doctoral degree in history or history of health sciences, preferably with medical and previous teaching experience. Should have some experience in interviewing or actual oral history work.

Status: Definite, July 1974.

Starting time: No later than August 1, 1974.

Deadline for receipt of applications: June 1, 1974.

Description: Appointee would be expected to teach undergraduate courses and conduct graduate seminars in the social and intellectual aspects of the history of medicine and related sciences. Moreover, the applicant would be expected to develop and direct an oral history program organized by the department.

Note: The University of Wisconsin is an equal opportunity and affirmative action employer.

Contact: Professor Guenter B. Risse, Chairman, Department of the History of Medicine. Please send a curriculum vitae, three references, and copies of any publications with your application.

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