

History of Science Society

NEWSLETTER

Volume V, Number 3

July 1976

The Newsletter of the History of Science Society is published in January, April, July, and October, with supplements as necessary containing job information. Regular issues are sent free to individual members. Supplements are sent automatically to about ninety history of science departments and individuals, and will be sent to others on request. Non-members may subscribe to the Newsletter for \$5.00 per year.

Please send all news items, written as concisely as possible, to the Secretary of the Society, Dr. Roger H. Stuewer, School of Physics and Astronomy, University of Minnesota, Minneapolis, Minnesota 55455. The deadline for receipt of news for the October issue is September 15, and THIS WILL BE THE ONLY CALL FOR NEWS THAT WILL BE ISSUED.

1976 ANNUAL MEETING OF THE HSS IN PHILADELPHIA (DECEMBER 28-30)

The HSS will hold its 1976 Annual Meeting together with the Society for the History of Technology (SHOT) in Philadelphia, December 28-30. The Chairman of the Program Committee is Professor Alan E. Shapiro, School of Physics and Astronomy, University of Minnesota, Minneapolis, Minnesota 55455. The Chairman of the Local Arrangements Committee is Professor Robert E. Kohler, Jr., Department of History and Sociology of Science, University of Pennsylvania, Philadelphia, Pennsylvania 19174. The 1976 Annual Meeting will be held in the Holiday Inn-University City, 36th and Chestnut, Philadelphia, Pennsylvania 19104. Pre-registration and hotel reservation forms are provided on page 3.

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

A mail poll of the Council of the HSS has resulted in the decision to hold the 1977 annual meeting with the American Historical Association at the usual time immediately after Christmas, in Dallas. The Local Arrangements Chairman is Professor Robert Palter, Department of Philosophy, University of Texas, Austin, Texas 78712.

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

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

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

The United States National Committee for the International Union for the History and Philosophy of Science announces that it will award a limited number of travel grants to scholars attending the XVth International Congress of the History of Science to be held in Edinburgh, Scotland, August 10-19, 1977. Only scholars presenting papers at the

Congress should apply. Younger scholars and those who have not recently received grants through the Committee are encouraged to apply. Deadline for submission of the application will be January 20, 1977. Information and forms will be available after October 1, 1976, from the office of Dr. Sherman Ross, Staff Associate, National Research Council, 2101 Constitution Avenue, Washington, D.C. 20418.

NSF RESEARCH TRAVEL FUNDS TO EDINBURGH

Those persons applying for National Science Foundation research grants and also desiring to attend the XVth International Congress of the History of Science are encouraged to request travel funds to Edinburgh in their NSF grant applications, in accordance with existing NSF policy.

TRAVEL ARRANGEMENTS TO EDINBURGH

While The HSS does not intend to designate any travel agency as its official travel agency for the Edinburgh Congress, it wishes to report that Concannon Travel Consultants, 15 West Highland Avenue, Philadelphia, Pennsylvania 19118, has made three different travel proposals to Edinburgh which members of the HSS may wish to consider, as follows: I. Round trip charter air fare, New York to London, via TWA or Pan Am, at \$345 per person including tax. This charter price is an individual one, with a 65-day advance booking requirement. It would also be available on a variety of dates: 2, 3, and 6-week trips. Additional arrangements; i.e., pre-Congress accommodations, university lodging, etc., could also be arranged. II. All inclusive two-week trip to the Congress, including round trip charter air fare, New York to London, via TWA or Pan Am, with departure from New York on August 6th and return on August 20th, at \$825 per person. This rate also covers first class hotel accommodations for the entire 13 nights including breakfast, taxes, and gratuities at the Charing Cross Hotel in London, and the North British Hotel in Edinburgh during the Congress. Supplement for single room would be \$50. Hotel transfers and return are included in London and Edinburgh as well as transportation from London to Edinburgh and return by second class rail. A qualified tour escort would conduct the group throughout and coordinate any individual services required. Price is based on forty (40) participants. III. Land portion only, of the above Proposal II, would be available at \$480 per person (plus supplement for single room at \$50). Any individuals wishing pre- or post-Congress arrangements should contact Concannon Travel Consultants for specific details. Any portions of this proposal not utilized would be non-refundable, since rates are based on the group traveling together. For further information, please contact Concurrent Travel Consultants.

CULOTTA MEMORIAL FUND

An endowed fund has been established at Bryn Mawr College in the memory of Charles A. Culotta. The income from this fund will be used to purchase books in the history of science for the Bryn Mawr College Library. Contributions to the fund may be made by sending a check, payable to the Bryn Mawr College Library, to Dr. James Tanis, Director of Libraries, Bryn Mawr College, Bryn Mawr, Pennsylvania, 19010.

NEW ADDRESS FOR SHOT

Effective July 1, 1976, the new address of the Society for the History of Technology will be Dr. Carroll Pursell, Secretary, Department of History, University of California, Santa Barbara, California 93106. Correspondence relating to Technology and Culture will continue to be received by its Editor-in-Chief, Dr. Melvin Kranzberg, at the Georgia Institute of Technology, Atlanta, Georgia 30332.

ANNOUNCEMENT TO RUSSIAN HISTORIANS OF SCIENCE

With a view to increasing the coverage of research in the Russian language in Isis, the Editor would like to urge Soviet scholars to send copies of their recently published

PRE-REGISTRATION FORM

1976 HSS-SHOT ANNUAL MEETING, PHILADELPHIA, PENNSYLVANIA (DECEMBER 28-30)

Name _____

Affiliation _____

or

Mailing Address _____

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

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.

HOTEL RESERVATION FORM

1976 HSS-SHOT ANNUAL MEETING, PHILADELPHIA, PENNSYLVANIA (DECEMBER 28-30)

Please send the completed form to: Reservationist, Holiday Inn University City, 36th and Chestnut Streets, Philadelphia, Pennsylvania 19104.

Name _____

Address _____

I wish to reserve:

single room (\$25.00) _____

twin room (\$32.00) _____

for the following nights: Dec. 27 _____ Dec. 28 _____ Dec. 29 _____ Dec. 30 _____

CHEAPER ACCOMMODATIONS FOR HSS-SHOT ANNUAL MEETING (DECEMBER 28-30, 1976)

In addition to accommodations at the Holiday Inn, about 40 rooms will be available in the International House of the University of Pennsylvania. At \$12.00 per person per day for a single room, these accommodations are considerably cheaper than the Holiday Inn. Reservations will be accepted on a first-come-first-served basis, but with students, unemployed, or underemployed members of the HSS having first claim. Requests for reservations should therefore include a statement concerning the applicant's need, and should be made by writing to:

Judy Wagner, Director of Admissions
International House
University of Pennsylvania
3701 Chestnut Street
Philadelphia, Pennsylvania 19104.

Isis Editorial Office
Smithsonian Institution
Washington, D.C. 20560

Reservationist
Holiday Inn University City
36th and Chestnut Streets
Philadelphia, Pennsylvania 19104

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DOWN THE HOME STRETCH IN THE ENDOWMENT FUND DRIVE

The Spring issue of Isis for 1977 will carry a list of all actual contributors to the HSS Endowment Fund during the three-year Fund Drive 1974-1976. The goal of the Fund Drive is to raise \$50,000 in commemoration of the 50th Anniversary of the History of Science Society, celebrated at the Burndy Library in Norwalk, Connecticut, in October, 1974.

Thus far (May 15, 1976) the sum of \$18,000 has been pledged by 235 members of the Society, of which nearly \$16,000 is paid up and drawing interest. Another \$2,000 has been contributed by persons or institutions outside the Society.

These contributions have come from a cross-section of the membership of the Society-- from physicians, librarians, students (both undergraduate and graduate), booksellers, teachers (high school, college, and university), museum curators, government employees, and private scholars. They have ranged from \$5.00 to \$1,000. There have even been contributions from historians of science who were unemployed when they made their contributions. Geographically, contributions have been received not only from the United States and Canada but also from Hong Kong, the Lebanon, England, Scotland, and Germany.

The arithmetic is simple. If 235 members of the Society, representing about one fifth of the membership, have been willing and able to contribute \$18,000, it should certainly be possible for the other 965 members, representing four fifths of the membership, to contribute the \$30,000 needed to bring the Fund to its three-year goal of \$50,000. The average contribution of the one fifth who have contributed is about \$80. To bring the Fund to the desired \$50,000 by the end of 1976, an average contribution of only \$32 by the remaining four fifths of the membership will suffice.

By its very existence the Fund has attracted contributions from persons outside the Society who wish to honor the memory of former members, as in the case of Doris Hellman, Isidore Drabkin, and Carl Boyer. The income from the Fund has already enabled the Society to revive the annual Sarton Memorial Lecture at the American Association for the Advancement of Science. Still other activities will be possible as the Fund grows.

The History of Science Society is your society. Its record of accomplishment during the fifty-two years of its existence has been a solid one. It is now reaching out in new directions, seeking support from government and private agencies, but these initiatives require some expenditures by the Society itself, expenditures which only the income from the Endowment Fund can provide. The prerequisite for success in mounting these new initiatives is for the members of the Society to show that they care enough about the Society and its work to invest in its future. If you have not already contributed to the Fund, do so now. It is important that the list of contributors published in Isis next spring show that the vast majority of the members of the Society believe in its purposes and are willing to lend it solid financial support.

John C. Greene
President

To promote the work of the History of Science Society by helping to establish a permanent Endowment Fund, I herewith contribute \$_____.

(Note: Checks should be made payable to History of Science Society - Endowment Fund and sent to Dr. Arthur L. Norberg, Treasurer, History of Science Society, 125 Fairlawn Drive, Berkeley, California 94708.

books to the Isis Editorial Office for review. The Editor would also like to hear from scholars of all nationalities who would be interested in reviewing Russian-language publications. Please write, indicating field of interest, to Book Review Editor, Isis Editorial Office, Smithsonian Institution, Washington, D.C. 20560.

SYMPOSIUM ON QUANTITATIVE METHODS IN THE HISTORY OF SCIENCE
(BERKELEY, CALIFORNIA, AUGUST 25-27, 1976)

A Symposium on "Quantitative Methods in the History of Science" will be held at the University of California, Berkeley, on August 25-27, 1976. Sponsored jointly by the Center for History of Science and Technology and the Institute of International Studies, it will bring together practitioners of that art and their critics. The program is as follows: Wednesday, August 25, morning session, Robert K. Merton (Columbia), Chairman. Arnold Thackray (University of Pennsylvania), "Measurement in the historiography of science"; S. W. Woolgar (Brunel University), "Report on current discussions about the sociology of science in Britain"; and Lanfranco Belloni (Università di Milano), "Report on quantitative research on science and technology in Italy." Wednesday, August 25, afternoon session, Derek J. de Solla Price (Yale), Chairman. Lewis Pyenson (Université de Montréal), "Review of research on prosopography in science; Roy M. MacLeod (University of Sussex), "The Education of an elite: the Natural Science Tripos, 1851-1914"; and Margaret W. Rossiter (University of California, Berkeley), "Collective biography of women scientists in America." Thursday, August 26, morning session, Everett Mendelsohn (Harvard), Chairman. Joseph Ben-David (University of Chicago and Hebrew University), "Review of research on growth factors in science"; Derek J. de Solla Price (Yale), "Ups and downs in the history of science and technology"; G. Nigel Gilbert (University of York), "Issues and problems with regard to growth indicators"; E. J. Barboni, D. Sullivan, and D. H. White (Cornell University), "Growth, change and dynamics of scientific specialties"; and Rainald von Gizycki (Kelkheim), "Associations for the Advancement of Science: a comparative analysis." Thursday, August 26, afternoon session, Nathan Reingold (Smithsonian), Chairman. David O. Edge (University of Edinburgh), "Review of research on communication patterns in science"; Michael Moravcsik (University of Oregon), "Typology of citations"; Jerry Gaston (Southern Illinois University, Carbondale), "The reward system in science"; Robert McGinnis (Cornell University), "Career patterns in science"; and Donald de B. Beaver (Williams College) and Richard Rosen (Columbia University), "Collaboration in science: response to professionalization." Friday, August 27, morning session: "The State of the Art," Bernard Barber (Barnard), Chairman. Paul Forman (Smithsonian Institution), Nathan Rosenberg (Stanford University), and Peter Weingart (Universität Bielefeld) Discussants. Friday, August 27, afternoon session: "New Directions?", Roger Hahn (Berkeley), Chairman. Régine Robin (Université de Paris X), "Summary of French quantitative research outside the history of science"; Richard L. Frautschi (Pennsylvania State University); "The use of computers for author attribution: an example from the Encyclopédie"; and Sally Yeates and Walter A. Sedelow, Jr. (National Science Foundation and University of Kansas), "The structure of scientific and literary texts: some issues posed by computational methodology." All persons wishing to attend the Symposium who have not already been notified should write immediately to the convener of the Symposium, Professor Roger Hahn, Symposium, Office for History of Science, 470 Stephens Hall, University of California, Berkeley, California 94720.

Dr. Arthur Norberg, Treasurer
History of Science Society
125 Fairlawn Drive
Berkeley, California 94708

FIRST CONGRESS OF INTERNATIONAL TECHNOLOGY
(PITTSBURGH, PENNSYLVANIA, OCTOBER 3-8, 1976)

The First Congress of International Technology will be held at the Pittsburgh Hilton, Pittsburgh, Pennsylvania, October 3-8, 1976. For further information, please contact Mr. I. S. Tuba, President, International Technology, Inc., 7125 Saltsburg Road, Pittsburgh, Pennsylvania 15235 (phone 412-795-5300).

REPORT ON THE FIRST INTERNATIONAL SYMPOSIUM FOR THE HISTORY OF ARABIC SCIENCE
(UNIVERSITY OF ALEPPO, SYRIA, APRIL 5-12, 1976)

With the convening of the First International Symposium for the History of Arabic Science at the University of Aleppo, April 5-12, 1976, the Institute for the History of Arabic Science, the first of its kind in the Arab world, was inaugurated. This Institute will be devoted to fostering, encouraging, and carrying out researches and scholarly publications in all fields of Arabic and Islamic Science and Technology. It will issue, beginning in 1977, the Journal for the History of Arabic Science containing scholarly articles and book reviews. Articles will be accepted in English or French and summaries in Arabic will be provided. A Newsletter of the Institute for the History of Arabic Science will also be published periodically, in English and Arabic simultaneously. The Editorial Board, consisting of Ahmad Y. Al-Hassan (University of Aleppo), Sami K. Hamarneh (Smithsonian Institution), Donald R. Hill (London), Edward S. Kennedy (American University of Beirut), Rosdi Rashed (C.N.R.S., Paris), A. I. Sabra (Harvard University), and Ahmad S. Saidan (University of Jordan), requests interested colleagues, historians and researchers to submit articles and news items at the earliest convenience. The Institute will also issue the proceedings of the above Symposium in two volumes, the first consisting of those papers delivered in English or French with English summaries of those delivered in Arabic; the second consisting of those papers delivered in Arabic with Arabic summaries of those in the first volume. Plans are also under way for the publication of a two-volume work on the history of Arabic medicine and pharmacy (life and allied sciences in general), and in addition the Institute will sponsor the editing, with critical annotations and evaluation, of Arabic works in the history of Arabic and Islamic Science and Technology. The Institute, at the University of Aleppo, houses a library, research facilities, equipment for microfilming, and microfilm readers, and will preserve manuscripts and historical objects for research and exhibition. All inquiries regarding the proceedings of the First International Symposium can be directed to the Institute for the History of Arabic Science, University of Aleppo, Aleppo, Syria.

MELLON FOUNDATION GRANT TO ST. LOUIS UNIVERSITY

St. Louis University, 221 N. Grand Avenue, St. Louis, Missouri 63103, has received a \$135,000 grant from the Andrew W. Mellon Foundation for a five-year postdoctoral program to assist scholars who wish to conduct research in the University's Vatican Film Library. The Mellon Fellowships will provide travel and living expenses for periods ranging from less than a month to a full semester. Areas in which fellowships may be granted include, among many others: classical and vernacular languages and literature, philosophy and sciences in the Middle Ages and the Renaissance, the history of music, the history of manuscript illumination, and the history of mathematics and technology. The Rev. Lowrie Daly, S.J., director of the Vatican Film Library, and Dr. Charles J. Ermatinger, Vatican Film Librarian, will manage the new program. A review board will consider all project proposals, and the first fellowships will be awarded for September 1976.

VISITING LECTURER ON PASTEUR

Dr. Marie-Louise Hemphill, 1 Place de Wagram, 75017 Paris, France, writes that she will be attending the International History of Geology Congress in New Durham, New Hampshire, October 14-20, 1976, and that she would like to visit and lecture in various cities (Philadelphia, Baltimore, New Harmony, Indiana, New Orleans, etc.) either before or after the Congress to help meet her travel expenses. She suggests as her title "Pasteur and

Great Britain," a subject she can discuss partly on the basis of the personal recollections of her father, Dr. Adrien Loir, who was Pasteur's nephew and assistant during Pasteur's discoveries on rabies. Interested individuals or institutions are please asked to write to Dr. Hemphill.

LYELL CENTENARY ISSUE OF BJHS

The July 1976 issue of The British Journal for the History of Science (Vol. IX, Part 2) will be devoted to papers that were delivered at the Charles Lyell Centenary Symposium in London in September 1975. Orders should be sent to The British Journal for the History of Science, Headley Brothers Ltd, Ashford, Kent TN24 8HH, England. The revised price is £4.00 (\$12.00), including postage.

EXHIBITION ON SCIENCE AND TECHNOLOGY IN ISLAM AT SCIENCE MUSEUM, LONDON

An exhibition on Science and Technology in Islam, which is the result of collaboration between the Science Museum and the World of Islam Festival Trust, was opened at the Science Museum, South Kensington, London SW7 2DD, on April 6 by Her Imperial Majesty the Shahbanou of Iran, and will run until August 30. It will place Islamic science in the broadest possible context, and will show relics of everyday technology such as modest working men's tools, together with a number of spectacular scientific instruments including about 30 astrolabes, and several important working models of mechanical engineering devices. The 400 items coming on loan for this exhibition will be lent by fellow museums and libraries in Europe, the USA, and the Middle East. Many of these pieces have never before been seen by the public, and it is hoped that the exhibition will prove a unique event in the history of science in Europe.

AIAA HISTORY NEWSLETTER AVAILABLE

The History Committee of the American Institute of Aeronautics and Astronautics (AIAA) is now publishing an AIAA History Newsletter under the Editorship of Linda Neuman Ezell, BE4, Johnson Space Center, Houston, Texas 77058, which reports events, awards, books, and other news items of interest in the history of aerospace technology. To receive a copy of the first issue (Spring 1976) and future issues, please contact Ms. Ezell.

PROJECT FOR HISTORICAL BIOBIBLIOGRAPHY

Dawson are pleased to announce that they have made a research grant to the University of Newcastle upon Tyne, England, for a major project in historical biography and bibliography. Under the direction of P. J. Wallis, Reader in the Historical Bibliography of Education, the project will combine in computer-held records a wide range of British source material for subsequent publication. An essential aim of the project is to eliminate the duplication of scholarly work in associated fields, dependent on regular use of the same sources. A Project Steering Committee under the chairmanship of Dr. B. J. Enright, Librarian of the University, is responsible for the administration of exchanges between the project and specialist holdings from scholars working in related fields of research. Among the works being prepared is the Biobibliography of British Mathematics and its Applications up to 1850, which emphasizes both the biographical and the bibliographical nature of the project. It was begun in 1966 and has been supported by various bodies including the Royal Society and by the award of a Leverhulme Fellowship. The first part (1701-60) should appear in 1979. It will be preceded by the publication early in 1977 of his Newton and Newtoniana (1672-1975), which will greatly extend the coverage of Gray's well-known bibliography. For further information, including a Newsletter describing the project more completely, please write to Mrs. C. Skerrett, Publishing Department, Wm Dawson & Sons Ltd., Cannon House, Folkestone, Kent CT19 5EE, England.

HISTORY OF SCIENCE AT OREGON STATE UNIVERSITY

The Department of General Science, Oregon State University, Corvallis, Oregon 97331, offers a variety of advanced-degree programs that incorporate or focus attention on the study of the history of science. On a master's level, the department awards a degree in the history of science. It also provides the opportunity for students to use history of science for an area in an interdisciplinary master's degree in biology or physical science. On the Ph.D. level, the department is authorized to award a Ph.D. in biological science or in physical science. These two degrees each require three areas of concentration, and a student may elect history of science as his thesis area, or as one of his three areas of concentration. The history of science faculty are Robert J. Morris (history of 18th century physical sciences, history of geology), J. Brookes Spencer (history of physical sciences since 1800), Daniel P. Jones (science and society, history of chemistry, bio-chemistry and medicine), and Paul L. Farber (history of biology, philosophy of science).

JOINT M.A. PROGRAM AT UNIVERSITIES OF MANITOBA AND WINNIPEG

A new joint M.A. program will be offered in History by the University of Manitoba and the University of Winnipeg, including especially as a field of study the History of Science and Technology. Graduate seminars and thesis advisors are available and mutually acceptable at either of the neighboring universities. History of Science and Technology faculty are David Dyck and David Topper (physics and cosmology after Newton), Peter Bowler (biology and Darwinism), and Wesley M. Stevens (medieval mathematics and astronomy). Enquiries may be addressed to the Graduate Committee, History Department, either the University of Manitoba or the University of Winnipeg, Winnipeg, Manitoba, Canada.

BOOKS RECEIVED BY ISIS: FEBRUARY - APRIL 1976

- Mark D. Altschule, The Development of Traditional Psychopathology. A Sourcebook. vi + 330 pp., index. New York: Halsted Press, John Wiley & Sons, 1976.
- Henri Baers ou Vekenstyl, Les tables astronomiques de Louvain de 1528. Facsimile edition. Introduction, translation and commentary by Emmanuel Poulle and Antoine De Smet. 120 pp. Brussels: Editions Culture et Civilisation, 1976. FB 500.
- Hans Blumenberg, Die Genesis der kopernikanischen Welt. 803 pp., name index. Frankfurt: Suhrkamp Verlag, 1975. DM 78.--.
- L. B. Borst; B. M. Borst, Megalithic Software. Part I: England. viii + 200 pp., illus., index. Williamsville, N.Y.: Twin Bridge Press, 1975.
- Brian Bowers, Sir Charles Wheatstone F.R.S. 1802-1875. ix + 239 pp., illus., appendix, index. London: Her Majesty's Stationery Office, 1975. £5.50 (paper).
- Francesc Bujosa i Homar. La Academia Médico-Práctica de Mallorca (1788-1800: Catálogo de sus disertaciones, censuras y documentos. (Cuadernos Valencianos de Historia de la Medicina y de la Ciencia, XVI, Serie C [Repertorios Bio-Bibliograficos]) 163 pp. Valencia: Catedra e Instituto de Historia de la Medicina, 1975.
- Carlo M. Cipolla, Public Health and the Medical Profession in the Renaissance. viii + 136 pp., 6 illus., tables, bibl., index. Cambridge/New York: Cambridge University Press, 1976. \$14.50.
- Georg Edmund Dann, Einführung in die Pharmaziegeschichte. x + 127 pp., 22 illus., bibl., name index, subject index. Stuttgart: Deutscher Apotheker-Verlag, 1975. DM 28.--.
- Dictionary of Scientific Biography. Vol. XIII: Hermann Staudinger - Giuseppe Veronese. Editor-in-Chief, Charles Coulston Gillispie. xiii + 623 pp. New York: Scribner's, 1976. \$40.
- A. L. Donovan, Philosophical Chemistry in the Scottish Enlightenment. x + 343 pp., bibl., index. Edinburgh: Edinburgh University Press, 1975. \$17.50.
- Ellen G. Gartrell (compiler), Electricity, Magnetism, and Animal Magnetism: A Checklist of Printed Sources 1600-1850. x + 125 pp., index. Wilmington, Del.: Scholarly Resources, 1976. \$17.50.
- John H. Gedo; George H. Pollock (eds.), Fred: The Fusion of Science and Humanism. The Intellectual History of Psychoanalysis. (Psychological Issues, Vol. IX, Nos. 2/3, Monograph 34/35.) 447 pp., bibl., index. New York: International Universities Press, 1976.

Donna Jeanne Haraway, Crystals, Fabrics, and Fields. Metaphors of Organicism in Twentieth-century Developmental Biology. ix + 231 pp., bibl., index. New Haven: Yale Univ. Press, 1976. \$15.

Sandra G. Harding (ed.), Can Theories Be Refuted? Essays on the Duhem-Quine Thesis. (Synthese Library, Vol. 81.) xxi + 318 pp., name index. Dordrecht/Boston: D. Reidel, 1976. \$39.50 (cloth), \$18 (paper).

A. McGehee Harvey, Adventures in Medical Research: A Century of Discovery at Johns Hopkins. xv + 464 pp., illus., notes, name index, subject index. Baltimore/London: Johns Hopkins University Press, 1976. \$16.95.

Ping-ti Ho, The Cradle of the East. An Inquiry into the Indigenous Origins of Techniques and Ideas of Neolithic and Early Historic China, 5000-1000 B.C. Foreword by William H. McNeill. xxi + 440 pp., 16 tables, 4 maps, 33 illus., 4 color plates, bibl., index. Hong Kong: Chinese Univ. of Hong Kong; Chicago: Univ. of Chicago Press, 1975. \$20.

Gerald Holton; William Blanpied (eds.), Science and Its Public: The Changing Relationship. (Synthese Library, Vol. 96; Boston Studies in the Philosophy of Science, Vol. XXXIII.) xxv + 289 pp., index. Dordrecht/Boston: D. Reidel, 1976. Dfl. 65.--; \$26 (cloth); Dfl. 30.--; \$12 (paper).

Norman Howard-Jones, The Scientific Background of the International Sanitary Conferences 1851-1938. (History of International Public Health, 1.) 110 pp., illus., index. Geneva: World Health Organization, 1975. Sw.fr. 12.-- (paper). Also published in French and Spanish.

Colin Howson (ed.), Method and Appraisal in the Physical Sciences. The Critical Background to Modern Science, 1800-1905. vii + 339 pp. Cambridge/New York: Cambridge Univ. Press, 1976.

Ibn as-Salāh, Zur Kritik der Koordinatenüberlieferung im Sternkatalog des Almagest. Arabischer Text nebst deutscher Übersetzung, Einleitung und Anhang. Ed. by Paul Kunitzsch. (Abhandlung der Akademie der Wissenschaften in Göttingen. Philologisch-Historische Klasse, Dritte Folge, No. 94.) 158 pp., bibl., index. Göttingen: Vandenhoeck & Ruprecht, 1975. DM. 88.-- (paper).

William James, Pragmatism. (The Works of William James, general editor Frederick Burkhardt.) xxxviii + 316 pp., notes, appendices, index. Cambridge, Mass.: Harvard University Press, 1975. \$15.

William James, The Meaning of Truth. (The Works of William James, general ed. Frederick Burkhardt.) Introduction by H. S. Thayer. xli + 328 pp., appendices, index. Cambridge, Mass.: Harvard Univ. Press, 1975. \$15.

Kenneth Glyn Jones, The Search for the Nebulae. ix + 84 pp. New York: Alpha Academic (Science History Publications), 1975. \$8.50.

Bruno Kisch, Scales and Weights: A Historical Outline. (Yale Studies in the History of Science and Medicine, 1.) Third printing; first published 1965. xxi + 297 pp., illus., bibl., appendices, indices. New Haven: Yale Univ. Press, 1975. \$20.

Sally Gregory Kohlstedt, The Formation of the American Scientific Community. The American Association for the Advancement of Science 1848-1860. xiii + 264 pp., bibl., index, appendix. Urbana: Univ. of Illinois Press, 1976. \$10.95.

Robert Kolb, Caspar Peucer's Library: Portrait of a Wittenberg Professor of the Mid-Sixteenth Century. (Sixteenth Century Bibliography, 5.) vi + 76 pp. St. Louis: Center for Reformation Research, 1976. \$2.35 (paper).

David A. Kronick, A History of Scientific and Technical Periodicals. The Origins and Development of the Scientific and Technical Press 1665-1790. Second Edition. xvi + 336 pp., bibl., subject, name and title indexes. Metuchen, N. J.: Scarecrow Press, 1976. \$13.50.

Herbert Leventhal, In the Shadow of the Enlightenment: Occultism and Renaissance Science in Eighteenth-Century America. 330 pp., bibl., index. New York: New York Univ. Press, 1976. \$15.

Robert B. MacLeod, The Persistent Problems of Psychology. x + 207 pp., index. Pittsburgh: Duquesne University Press, 1975. \$5.50 (paper).

Robert S. Westman (ed.), The Copernican Achievement. (UCLA Center for Medieval and Renaissance Studies Contributions, VII.) xvi + 405 pp., index. Berkeley: Univ. of California Press, 1976. \$14.50.

John Ziman, The Force of Knowledge: The Scientific Dimension of Society. ix + 374 pp., index. Cambridge/New York: Cambridge University Press, 1976. \$15.95.

OTHER RECENT PUBLICATIONS

Ernest Roze, Charles De L'Escluse d'Arras le Propagateur de la Pomme de Terre du XVI^e Siècle. Sa Biographie et sa Correspondance. 1100 pp., Paris: J. Rothschild, 1899. Réimpression tiré à 250 exemplaires pour Landre et Meesters b.v. & Kew Books, 1976.

FIRST PARTINGTON PRIZE TO P. C. BARRATT

The Society for the History of Alchemy and Chemistry is pleased to announce the award of the first Partington Prize to Mr. P. C. Barratt, B.A. Oxon., for his essay, "Speculative Chemistry in the 1880s - Prout's Legacy for the Chemical Elements." The award, consisting of £100, is named for the Society's first Chairman, J. R. Partington. The competition which is held every three years is open to scholars under the age of thirty and is based on an original and unpublished essay on any aspect of the history of alchemy and chemistry. Information about the Society's journal and meetings may be obtained from the Hon. Secretary, Dr. G. K. Roberts, Faculty of Arts, The Open University, Milton Keynes MK7 6AA, England.

FELLOWSHIPS AND GRANTS RECEIVED

The American Council of Learned Societies (ACLS) in a national competition recently awarded Fellowships to ninety-seven scholars for periods of six months to one year. Eighty-three were awarded for post-doctoral research in the humanities and related social sciences, fourteen to assist young scholars to enlarge their range of knowledge by study in fields outside their present areas of specialization. These grants have been made possible by grants from the Carnegie Corporation of New York, The Ford Foundation, and the National Endowment for the Humanities (NEH). Included among the recipients were the following: (1) Richard M. Burian (Brandeis University), "Study of evolutionary biology"; (2) James C. Davis (University of Pennsylvania), "A general history of birth control"; (3) Michael Friedman (University of Pennsylvania), "Foundations of space-time theories"; (4) Gerald N. Grob (Rutgers University), "Social policy and mental illness"; and (5) Naomi A. Schor (Columbia University), "Study of French psychoanalysis."

The ACLS in a national competition also awarded Grants-in-Aid to one hundred thirty scholars from eighty-two academic institutions for post-doctoral research in the humanities and related social sciences. This program has been made possible by grants from the Ford Foundation and NEH. Included among the recipients were the following: (1) Albert Cohen (Stanford University), "Music in the French Academy of Sciences, 1666-1793"; (2) Jon A. Peterson (Queens College), "The origins of modern American city planning"; (3) Alice Kimball Smith (Dean Emerita of the Radcliffe Institute), "The life and work of J. Robert Oppenheimer"; and (4) Otto Sonntag (New York University), "A critical edition of the Haller-Bonnet correspondence."

The ACLS in a national competition also awarded grants for advanced research in the humanities and social sciences relating to Chinese civilization to thirteen scholars from eleven universities and colleges in the United States. This program has been made possible by a grant from the National Endowment for the Humanities. Included among the recipients was Jonathan Porter (University of New Mexico), "Bureaucracy, innovation, and technical expertise in China, 1880-1920."

The ACLS, in the fall of 1975, announced a new program of fellowships for post-doctoral research in the humanities, restricted to recent recipients of the Ph.D. degree. From nearly four hundred applicants, thirty-two scholars were awarded fellowships. The average age of the Fellows, of whom thirteen are women and nineteen are men, is thirty-two. The program is supported by funds from the Ford Foundation. Included among the

recipients were (1) Howard B. Rock (Florida International University), "The economic and social aspirations of the mechanics of New York City during the Jeffersonian Era," and (2) Eileen F. Serene (Stanford University), "Grosseteste's influence on the concept of necessity in Medieval Latin physical science."

Mark Adams (University of Pennsylvania) has been appointed a senior fellow for 1976-77 under the ACLS-Academy of Sciences Exchange with the Soviet Union, organized by IREX.

Robert Marc Friedman (Johns Hopkins University) has been named a Research Fellow of the Norwegian Research Council for Science and the Humanities (January-August 1976) enabling him to extend his stay in Norway. He is pursuing research for his Ph.D. degree on the historical circumstances involved in the creation of the new meteorology of Vilhelm Bjerknes and his collaborators.

SMITHSON GOLD MEDAL PRESENTED TO BURNDY FOUNDER

At their first Bicentennial meeting, the Regents of the Smithsonian Institution in Washington presented their highest award to Dr. Bern Dibner, "engineer, inventor, industrialist" and founder of the Burndy Corporation and the Burndy Library in the history of science and technology. Both institutions have their headquarters in Norwalk, Connecticut. Burndy Corporation has, since 1924, been a prime source of electrical connectors for the power, construction and electronics industries. It maintains plants in all continents, but Africa; its securities are listed on the New York Exchange.

Dr. Dibner, graduate of the Polytechnic Institute of New York, served as engineer to several electric utilities before founding Burndy in New York. The move to Connecticut was made in 1951. Four additional plants have been established in Connecticut since, with others in Kentucky, Vermont and New Hampshire. The Burndy Library was started in 1936 by Dr. Dibner with an initial interest in the engineering designs of Leonardo da Vinci, contemporary of Columbus. This was followed by studies in the science and technology of the great Renaissance, and expanded into the investigations that created the present age of science. In the past 40 years, some forty thousand books and monographs were gathered at the Library. These were supplemented by several thousand manuscripts and letters from eminent scientists, reaching back to Regiomontanus, 1475. Portraits, paintings and medals were made available for scholars of Western society from medieval dogma to present advances and progress. At the request of the Smithsonian Institution about three years ago, the Burndy Library, an independent, public educational library, agreed to share its major holdings with the Smithsonian which is now constructing a facility in its main building in Washington. This will hold and display the great classical studies that helped to establish our present science-based society. Under the planned arrangement, the Smithsonian collection of some twelve million objects (from postage-stamps to locomotives) will soon be supplemented by an advanced type of library that will serve as a research tool to scholars in charting the course of history by examining the record of science.

The Smithsonian Gold Medal honors James Smithson, chemist and mineralogist, son of the Duke of Northumberland who, in 1838, bequeathed over 100,000 pounds to found the Smithsonian Institution in Washington. On the Board of Regents are U.S. Chief Justice Burger, Vice President Rockefeller, three senators, three Representatives and eminent scientists and educators.

AWARDS AND HONORS

Gerald Holton (Harvard University) has been named Mallinckrodt Professor of Physics and Professor of the History of Science at Harvard.

George B. Kauffman, Professor of Chemistry at California State University, Fresno, is one of four winners, selected from college and university teachers of chemistry in the United States and Canada, of the 1976 Manufacturing Chemists Association College Chemistry Teacher Award. He was presented a \$1,000 check, a medal, and a citation at the CSUF Commencement ceremonies, May 26, 1976. He has also been awarded a grant from the National

Science Foundation and will work as a Visiting Scholar at the Center for History of Science and Technology, University of California, Berkeley, on the project "Emil Fischer's Role in Wilhelman German Industry, Government, and Society and Its Implications for Today."

Robert Seidel, a graduate student in the Department of History, University of California, Berkeley, has been awarded the National Science Teachers Association Bicentennial Prize for his paper, "Origins of Academic Physics Research in California: A Study of Interdisciplinary Dynamics."

APPOINTMENTS AND PROMOTIONS

Keith A. Nier has been appointed Assistant Professor of the History of Science at Drew University.

VISITING APPOINTMENTS

Daryl Chubin has been appointed Visiting Assistant Professor in the Department of History and Sociology of Science, University of Pennsylvania, for the academic year 1976-77.

Reese V. Jenkins, Associate Professor of History of Science and Technology, Case Western Reserve University, will be on leave of absence as Visiting Associate Professor in the Department of History at the University of Rochester from July 1, 1976, to August 1, 1977.

Edwin Rosen, Professor of the History of Science, City University of New York, has been appointed a Research Associate of the Centre National de la Recherche Scientifique. At the Observatory of Paris he will help edit the French and English versions of Nicholas Copernicus' Revolutions.

DISSERTATIONS IN PROGRESS OR RECENTLY COMPLETED

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

Harvard University

Katherine Sopka, "Quantum Physics in America, 1920-1935" (completed).

Susan Wright, "Henri Poincaré, Philosophical and Scientific Thought" (completed).

Northwestern University

Richard S. Brooks, "The Relationships Between Natural Philosophy, Natural Theology, and Revealed Religion in the Thought of Newton; and Their Historiographic Relevance" (religion, completed).

University of Pennsylvania

Ruth Barton, "The X Club: Science, Religion, and Social Change in Victorian England" (completed).

University of Texas at Austin

Steve Pyne, "Grove Karl Gilbert. A Biography of American Geology" (American Studies, completed).

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 listings of available positions.

JOB OPENINGS

The positions listed below are new openings that have been brought to the attention of the Secretary. Other new openings should also be brought to his attention as soon as possible. All inquiries should be addressed to the institution having the opening, and only

serious and qualified persons should apply. It is assumed that the positions listed are in fact open at the time of publication. The Society, however, can assume no responsibility for the accuracy or currency of the listing.

1. American Institute of Physics, 335 East 45th Street, New York, New York 10017.
Description: The Center for History of Physics of the American Institute of Physics offers a position as Associate in a program to document the history of modern American physics. Applicants must have interest and some training in both history (or a related field such as sociology) and physics (or a related science); a Ph.D. is desirable. The Associate will conduct broad biographical and institutional research in the history of American physics since the 1920's, with particular attention to the role played by European emigrés. After some training the Associate will independently conduct and edit interviews with prominent scientists and arrange for the preservation of documents. Maturity and the ability to secure the cooperation of eminent scientists are essential. Employment will be for about one and a half years, beginning in late 1976. It is possible for this position to be combined with the position in history of astrophysics, also offered by the Center, for a total of three and a half years' employment. Salary will depend on qualifications. The AIP is an equal opportunity employer.
Contact: Dr. Spencer Weart, Director, Center for History of Physics.
2. University of Chicago, 1126 East 59th Street, Chicago, Illinois 60637.
Position: historian of medicine or of the recent biological sciences.
Status: Appointment likely to be made for 1977-78, but in the meantime a one-year appointment for 1976-77 will also be considered if exceptional candidate available.
Description: The University of Chicago program in the history of science and medicine is administered through the Department of History and for this reason, it would be important for any candidate to have a breadth of interests that would make him useful to the Department as a whole. They would not rule out an exceptional candidate having "internalist" interests alone, but they would prefer someone whose work could be appreciated by scientists and historians alike.
Contact: Professor Allen G. Debus, Director, The Morris Fishbein Center for the Study of the History of Science and Medicine.
3. Iowa State University, Ames, Iowa 50011.
Position: One-year temporary position for 1976-77, rank open.
Description: Candidate will be expected to teach a two-quarter team-taught course on physics, history and society; a three-quarter senior-level history of science course; a one-quarter history of American technology course; and possibly one other one-quarter course.
Note: Iowa State University is an Equal Opportunity/Affirmative Action Employer.
Contact: Professor Louis G. Geiger, Chairman, Department of History.
4. University of Pittsburgh, Pittsburgh, Pennsylvania 15260.
Position: Assistant Professor of History and Philosophy of Science.
Status: Possible for 1977-78.
Description: Applications are invited for an appointment to the above position. The field of specialization in history and philosophy of science is open, but should complement rather than duplicate present Departmental strengths. (Only those with strong historical training will be considered.) A competence in philosophy of medicine/medical ethics is highly desirable. Teaching is at the graduate and undergraduate levels, and may involve some work with the School of Medicine. The Ph.D. should be completed before the term of appointment begins.
Deadline for Applications: November 1, 1976.
Note: The University of Pittsburgh is an Equal Opportunity/Affirmative Action Employer.
Contact: Professor Kenneth F. Schaffner, Search Committee Chairperson, Department of History and Philosophy of Science, 223 Loeffler Bldg.
5. Union College, Schenectady, New York 12308.
Description: The Mellon Fund has generously allocated funds which will enable the Philosophy Department at Union College to bring a distinguished lecturer on the history of

medical science to the campus for one term next year. The lecturer's duties are to be twofold: (a) to give one upper level lecture course on the history of medical science; and (b) to be available as a resource person for the faculty of Union University (this includes the Albany law, medical, and pharmacy colleges). There is an Honorarium of \$7,500 for the 10 week term and up to \$2,000 to cover expenses incurred by the visitor and his family.

Application information: To apply, or to nominate candidates for this position, please contact Professor Robert Baker, Department of Philosophy.

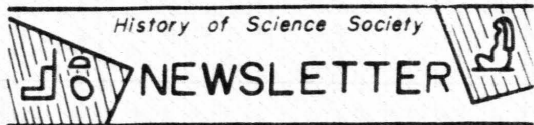
6. World Science Education, P.O. Box 2005, Princeton, New Jersey 08540.

Three positions open: Managing Editor and two Assistants to the Editor of the book series Adventures in Experimental Physics.

Description: Knowledge of physics and clear writing ability essential for all three positions. For the Managing Editor position, some editorial and publishing experience also needed. Beginning salaries, exclusive of benefits: For Managing Editor, \$14-18,000; for Assistants to the Editor, \$9-14,000; all depending upon qualifications and experience.

Deadline: open, but applications solicited as soon as possible.

Contact: Dr. Bogdan Maglich, Editor and Publisher.



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