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 January issue is December 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 9, and the Program is given beginning on page 11. Note that Tour A and Tour B are described in the notes at the end.

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

The 1977 Annual Meeting of the HSS will be held with the American Historical Association in Dallas, Texas, December 28-30, in the Hotel Adolphus. The Local Arrangements Chairman is Professor 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. 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 (USNC/IUHPS) 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,
chairing sessions, or serving in an official UNIPS capacity at the Congress should apply.
Younger scholars and those who have not recently received grants through the UNIPS are encouraged to apply. Deadline for submission of the application will be January 5, 1977 (note change). For information and forms write to Staff Associate, Assembly of Behavioral and Social Sciences, 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 XVII 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.

ISIS CUMULATIVE BIBLIOGRAPHY, VOLUME 3, SUBJECTS, AVAILABLE

Mansell Limited announces that Volume 3, Subjects, of the Isis Cumulative Bibliography, under the Editorship of Magda Whitrow, is now available. Volume 3 contains over 20,000 entries, originally published in the Isis Critical Bibliographies Numbers 1-90 (1913-65), comprising references to the history of science, medicine and technology unrestricted by period or civilization, and references to special aspects of the sciences, and their cultural relations. The publication price is £28.00. Mansell's agents in the United States are Isis Research Inc., P. O. Box 555, Forest Grove, Oregon 97116, who will fix a dollar price in due course.

HSS WOMEN'S COMMITTEE OFFERS RAPID SERVICE TO EMPLOYERS

The Roster of Women in the History of Science has been updated. It is indexed by field of specialization to aid search committees and others in identifying women for employment opportunities in the field. The Roster is available upon request from Joan H. Warnow, Chairperson, HSS Committee on Women in the History of Science, Center for History of Physics, American Institute of Physics, 335 East 45 Street, New York, New York 10017.

RESEARCH IN PROGRESS: HISTORY OF BIOMEDICAL SCIENCES

The American Association for the History of Medicine is planning, in early 1977, to issue a new listing of current research being conducted on topics in the history of medicine and related sciences, including dissertations. Individuals and department heads desiring to have their projects and those of their students listed are urged to send the following information: (1) Name; (2) Institution or mailing address; (3) Title of substantial research topics; (4) Estimated completion date. Send communications before December 1, 1976, to James H. Cassidy, National Library of Medicine, 8600 Rockville Pike, Bethesda, Maryland 20014.

CONFERENCE IN RETROSPECTIVE TECHNOLOGY ASSESSMENT

(CARNEGIE-MELLON UNIVERSITY, PITTSBURGH, DECEMBER 2-3, 1976)

The Program in Technology and Humanities at Carnegie-Mellon University will sponsor a Conference in Retrospective Technology Assessment to be held in Pittsburgh, December 2-3, 1976. This Conference will focus on the intended and unintended results of technological innovation on the economic, political, social, and physical environment in America. For further information write to Professor Joel A. Tarr, Program in Technology and Humanities, Carnegie-Mellon University, Pittsburgh, Pennsylvania 15213.

SECOND ANNUAL MEETING OF SOUTH CENTRAL SOCIETY FOR EIGHTEENTH-CENTURY STUDIES (HOUSTON, TEXAS, MARCH 3-5, 1977)

The Second Annual Meeting of the South Central Society for Eighteenth-Century Studies will be held in the Shamrock Hilton Hotel, Houston, Texas, March 3-5, 1977. It is being

(Continued on p. 6)
Because the deadline for receiving copy for the Spring issue of *Isis* falls before the end of 1976, the list of contributors to the Endowment Fund during the three-year Fund Drive (1974-1976) will be published in the Summer issue, so that all contributors before the end of 1976 can be included in the list.

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. *THIS GOAL CAN BE REACHED IF MEMBERS OF THE SOCIETY WHO HAVE NOT YET CONTRIBUTED TO THE FUND WILL DO SO AT EVEN HALF THE AVERAGE RATE OF CONTRIBUTION TO DATE, WHICH IS ABOUT $80.00 PER PERSON.*

The contributions already received 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, Germany, and the Netherlands.

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 summer 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.)
hosted by the University of Houston, and its theme is "Art, Technology, and Public Affairs during the Age of Exuberance." Papers are invited for the following seminars, and must be sent directly to the designated seminar leaders by October 15, 1976: (1) "Politics and Public Affairs through Literature of the Eighteenth Century." Chairing, Dan Hader, Department of English, University of Tulsa, Tulsa, Oklahoma 74404. (2) "Perspectives on Philosophy." Chairing, Baruch Brody, Department of Philosophy, Rice University, Houston, Texas 77001. (3) "Music and Technology." Chairing, Barbara Jackson, Department of Music, University of Arkansas, Fayetteville, Arkansas 72701. (4) "Science on Medicine in the Eighteenth-Century." Chairing, Alpen Cismaru, Department of Romance Languages, Texas Tech University, Lubbock, Texas 79409. (5) "Art and Literature." Chairing, John Haskos, Department of Humanities, The University of Texas of the Permian Basin, Odessa, Texas 79762. (6) "History of Science and Technological Progress." Chairing, Albert Van Helden, Department of History, Rice University, Houston, Texas 77001. (7) "Religious Values in the Eighteenth Century." Chairing, Joshua Weinstein, Foundations of Education, University of Houston, Houston, Texas 77004. (8) "Mathematics and Scientific Inquiry." Joe Baldis, Department of Mathematics, University of Houston, Houston, Texas 77004. Additional papers not fitting these categories may be sent to the Society President and Program Chairman for the Meeting, Irving N. Rothman, Department of English, University of Houston, Houston, Texas 77004. Membership information and further details about the Second Annual Meeting are available from Eugene Korkowski, Secretary of SCSECS, Department of English, Texas Tech University, Lubbock, Texas 79409. Reservations at the Meeting hotel may be obtained by writing the Shamrock Hilton Hotel, P.O. Box 2846, Houston, Texas 77001 (Telephone 713-688-9211).

ANNUAL MEETING OF THE MIDWEST JUXTA OF THE HISTORY OF SCIENCE (STILLWATER, OKLAHOMA, MARCH 24-26, 1977)

The Annual Meeting of the Midwest Juxta of the History of Science will be held at Oklahoma State University, Stillwater, Oklahoma, March 24-26, 1977. The Program Chairman will be Professor Alexander M. Osipovat, Department of History, Oklahoma State University, Stillwater, Oklahoma 74074.

ANNUAL MEETING OF THE INTERNATIONAL SOCIETY FOR THE COMPARATIVE STUDY OF CIVILIZATIONS (U.S.) (HAVERHILL, MASSACHUSETTS, APRIL 14-17, 1977)

The Annual Meeting of the International Society for the Comparative Study of Civilizations (U.S.) will be held at Bradford College in Haverhill, Massachusetts, April 14-17, 1977. Those wishing to contribute papers are invited to send 2 copies of a one-page abstract at their earliest convenience to Benjamin Nelson, President, ISSCC, The Graduate Faculty, New School For Social Research, GFC, Room 234, 65 Fifth Avenue, New York, New York 10003. Inquiries concerning membership in the Society should be sent to the Secretary-Treasurer, David B. Richardson, Department of Philosophy, Edinboro State College, Edinboro, Pennsylvania 16444.

Dr. Arthur Norberg, Treasurer
History of Science Society
125 Fairlawn Drive
Berkeley, California 94708
1976 HSS ANNUAL MEETING PROGRAM

All events, unless otherwise noted, will be held in the Holiday Inn - University City, 36th and Chestnut, Philadelphia.

Monday, December 27

3:30 PM, EXECUTIVE COUNCIL MEETING

Tuesday, December 28

11:30 AM, Francis S. Lestringi (State University College, Buffalo): Film, "A Portrait of Albert Einstein"

1:30 PM, BUSINESS MEETING

2:30 PM, Science, Technology, and the Cultural Context: Studies from Victorian Britain

Chair: Arnold Thackray (Pennsylvania)

Ruth Barton (Western Australia Institute of Technology): "The Scientific Clarity: Examples of Influence through Education and Journalism, 1860-1890"

2:30 PM, On the Tercentenary of Leibniz's Invention of the Calculus: A Tribute to Carl Boyer

Chair: Marshall Clagett (Institute for Advanced Study)

Edith Luchins (Rensselaer Polytechnic Institute): "Eloge"
Maxine Berg (Balliol College, Oxford): "Men, Machines, and Poleness in Early 19th-Century Britain"  
Steven Shapin (Edinburgh): "In Defense of Popular Science: Reasons for the Diffusion of Science in Victorian Britain"  
Ian Inkster (New South Wales): "The Askanian Society of London"

5:00 PM, WOMEN'S CAUCUS: DISCUSSION AND PLANNING SESSION. Open to all HSS members.

Tuesday, December 28, 2:30 PM (cont.)

12:00 PM, HSS-SOT LUNCHEON BANQUET: Upper Egypt Room, Anthropology Museum, University of Pennsylvania

2:00 PM, Approaches to Marxist History of Science Chair: Garlard E. Allen (Washington University, St. Louis)  
Jean-Claude Guédon (Montreal): "Chemistry and the French Revolution"  
Susan Sheets-Pyenson and Lewis Pyenson (Montreal): "Science from Below: 19th-Century France, England, and Germany"  
W. R. Albury (New South Wales): "Marxist History of Science and the French Historians"

Commentators: Everett Mendelsohn (Harvard) and Robert Cohen (Boston)

2:00 PM, Repetition of Experiment and Reconstruction of Processes as a Method in History of Science and Technology Chair: Brooke Hindle (Smithsonian)  
Samuel Devons (Columbia): "Experiment and Discovery in Physics"  
James MacLachlan (Toronto): "Experimenting in Galileo's Physics"  
Jon Eklund (Smithsonian): "Appearances and Interpretations in 18th-Century Chemistry: A Note on Nature's Intervention"  
D. H. Avery (Brown): "The Reconstruction of Ancient Technological Processes in the Laboratory and in the Field"

Commentators: Joel Marten (Harvard) and Ray Merritt (Wisconsin, Milwaukee)

5:00 PM, EXPERIMENTATION IN PROGRESS II

Dr. Allan Needell (University of Pennsylvania Faculty Club (Cash Bar))

Wednesday, December 29

9:00 AM, Scientific Study of the Planet Earth, 18th-20th Centuries Chair: Harold Burstin (U.S. Geological Survey)  
Arthur L. Donovan (West Virginia): "James Hutton and the Scottish Enlightenment"  
Gisela Kutsback (Wisconsin, Madison): "Julius Hann, Dynamic Meteorology, and the Nautical Weather Bureau"  
Susan B. Schiele (Marine Biological Laboratory, Woods Hole): "Henry Bigelow and the Introduction of Modern Oceanography into the United States"  
Commentator: Charles C. Gillispie (Princeton)

9:00 AM, The Problem of Scientific Generations Chair: Thomas Kuhn (Princeton)  
Lewis S. Feuer (Virginia): "Generational Analysis and the History of Science"  
Timothy D. C. Prince (Notre Dame): "Generational Factors in the Origin of Romanticische Naturphilosophie"

9:00 AM, Work in Progress II Chair: John L. Heilbron (California, Berkeley)  
Robert J. D. Delisle (Yale): "Planck, Onsager, and the Program for Energy Research"  
Niles H. Holt (Illinois State): "Fascism and the German Scientific Community, 1870-1930"  
Lillian Hartmann Hodson (Rutgers): "The Quantum Theory of Solids and American Industrial Research, 1926-1940"  
Sidney W. Kitchell (Indiana): "The Discovery of Galactic Rotation"  
Dale M. Johnson (Hatfield Polytechnic): "Dimension Theory Shows How Mathematics Grows"

2:00 PM, Work in Progress III Chair: Mary P. Winer (Toronto)  
Lewis P. Rubin (Yale): "The Biological Speculations of Charles Darwin"  
Leroy E. Page (Kansas State): "Roderick Murchison's Criticisms of Charles Lyell's Geological Theories"  
Malcolm Kottler (Minnesota): "Henry Bates, the Biological Species Concept, and Geographic Speciation"  
Martin Fishman (York, Toronto): "Alfred Russel Wallace's Unorthodox Darwinism"  
Ralph W. Dexter (Kent State): "F. N. Putnam in the News: Notices of his Scientific Work by the Press (1861-1899)"

Warren Andrew (Indiana): "Polemics on the Origins of Civilization: Sir Grafton Elliot Smith and Others"  
Thursday, December 30, 9:00 AM (cont.)

Henry Small (Institute for Scientific Information): "How Frequently Do Micro-Revolutions Occur in Science?"


William McGucken (Akron): "Scientists Enter the Highest Levels of Government: The British Experience During World War II"

Thaddeus J. Trenn (Regensburg): "On Ludwik Fleck's The Genesis and Development of a Scientific Fact"

John H. Wotiz (Southern Illinois): "The HIV-C History of Chemistry European Summer Tours"

1:00 PM, Tour A: Early Science in Philadelphia, John C. Greene (Connecticut), tour leader. $4.00, to be enclosed with Pre-registration Form.

1:00 PM, Tour B: 19th-century Technology in Philadelphia, David G. Orr (Pennsylvania), tour leader. $4.00, to be enclosed with Pre-registration Form.

AHU Session Jointly Sponsored by HSS

Science in the United States and Britain: Culture, Politics, and Institutions

Assembly Room, Sheraton Hotel, Washington, D.C.

Chair: Nathan Reingold (Smithsonian)

John L. Heilbron (California, Berkeley): "Benjamin Franklin: The Anglo-American Context of his Physics"

Robert H. Kargon (Johns Hopkins): "The Comparative Study of Physics in the United States and Britain"

Daniel J. Kevelis (California Institute of Technology): "The Comparative Development of Eugenics and Genetics in the United States and Britain since the 19th Century"

Commentator: Ruth Schwartz Cowan (SUNY, Stony Brook)

Notes on the 1976 Annual Meeting of the HSS

An exhibit, "Benjamin Franklin and the Electrical Technology of his Time: A Collection of Original Instruments, Publications, and Art," will be on display at the Holiday Inn throughout the meeting. The exhibit is primarily from the permanent collection of a major new museum and library in the history of science, technology, and medicine, The Bakken Museum of Electricity in Life, Minneapolis. The Director of the Museum, Dennis Stilling, will be at the meeting and will give a paper describing this new resource on Tuesday afternoon, December 28.
FOURTH EUROPEAN SUMMER TRAVEL AND STUDY COURSE IN HISTORY OF CHEMISTRY

The fourth European Travel and Study course in "The Evolution of Modern Chemistry" will be offered by Southern Illinois University-Carbondale this summer (1977). Graduate and undergraduate students, chemistry and/or science teachers and professors will register for six semester hours of credit or audit. The study and travel will be for eight weeks, June and July in Great Britain, Denmark, Sweden, East and West Germany, Czechoslovakia, France, Switzerland, Holland, and Belgium. Places where history of chemistry was made and/or is on exhibit will be visited. Besides the SIT-C instructor, students will listen to special lectures by historians of science. All inquiries should be directed to the tour leader, Professor John H. Wotiz, Department of Chemistry and Biochemistry, Southern Illinois University, Carbondale, Illinois 62901 (Phone 618-453-5721).

SUMMER TOUR ON HISTORY OF PHYSICS IN GREAT BRITAIN

During the coming summer (1977), Professor Carl C. Sartain, Indiana State University, will conduct a five-week course concerned with the historical development of physics in Great Britain. The course will feature a 22-day tour of British sites of historical interest to physics and science teachers, including visits to London, Cambridge, Stonehenge, Oxford, Birmingham, Manchester, Glasgow, and Edinburgh. All locations of major discoveries in physics. At each site British scientists who are experts in the local history of physics will present lectures and tours focusing on the people and discoveries unique to that place. The final week of the tour will include attendance at the XV International Congress for the History of Science in Edinburgh, where participants will have the opportunity to hear and meet historians of science from all over the world. For further information, please write to Professor Sartain, Physics Department, Indiana State University, Terre Haute, Indiana 47809.

REPORT ON CONFERENCE ON THE ROLE OF MEASUREMENT STANDARDS IN HUMAN CIVILIZATION (BUDAPEST, APRIL 27-30, 1976)

A conference with international participation entitled "The Role of Measurement Standards in Human Civilization" was held in Budapest, April 27-30, 1976. This conference was one of the events commemorating the 100th anniversary of signing the international meter convention. The organizing institutions and associations (Commission for History of Science and Technology of the Federation of Technical and Scientific Societies, Committee for the History of Science and Technology of the Hungarian Academy of Science, Scientific Society for Measurement and Automation, National Office for Measures, National Museum for Science and Technology) set as aims of the conference to show the importance of the Meter Convention, to discuss the history of measuring units and the institutions controlling them, and to show the present and future of measuring in all branches of science and in everyday life. For further information, please contact Professor F. Szabadváry, Director, Museum for Science and Technology, Budapest, Hungary.

ADDITIONAL BOOKS RECEIVED BY ISIS: FEBRUARY-APRIL 1976


Ann Mozley Moyal (ed. and intro.), Scientists in Nineteenth-Century Australia: A Documentary History. 280 pp., bibl., index. Camperdown, New South Wales: Cassell Australia Ltd., 1975. $5.95 (paper).

Sir Lawrence Bragg, The Development of X-Ray Analysis, Ed. by D. C. Phillips and N. Lipson. vii + 270 pp., illus., bibl., index. London: G. Bell, 1975. £6.50.


Harcourt Brown, Science and the Human Comedy. Natural Philosophy in French Literature from Gaulois to Nerval. (University of Toronto Romance Series, 50.) xx + 221 pp., index. Toronto/Buffalo: University of Toronto Press, 1976. £15.

Priti Capra, The Tao of Physics. An Exploration of the Parallels between Modern Physics and Eastern Mysticism. 330 pp., index. Berkeley, Calif.: Shambhala, 1975. £5.95 (paper).


H. D. Fagen (ed.), A History of Engineering and Science in the Bell System. The Early Years (1872-1925). xi + 2075 pp., illus., bibl., index. Whippany, N.J.: Bell Laboratories (Information and Publication Division), 1976. £15.


Louis de la Verdière, Black Pioneers of Science and Invention. vili + 181 pp., illus., bibl., index. New York: Parkhurst, Brace and World, 1975. £5.75. Distributed in U.S. by International Scholarly Book Services, Portland, Oregon.


Bakke Early Science. (History of Science: Selections from Isis.) xv + 213 pp. New York: Neal’s Watson Academic Publications, 1976. £7.95 (cloth), £4.95 (paper).

William Graves Hoyt, Lowell and Mars. xv + 376 pp., illus., bibl., index. Tucson: Univ. of Arizona Press, 1976. £13.35 (cloth), £8.50 (paper).

Kenneth Hudson, The Archaeology of Industry. 128 pp., illus., index. New York: Scribner’s, 1976. £15.70.


Nancy Stevan, Beginnings of Brazilian Science. Oswaldo Cruz, Medical Research and Policy, 1890-1920. x + 225 pp., 8 illus., bibl., index. New York: Science History Publications, 1976. $12.95.


William H. Harris, America's First Hospital: The Pennsylvania Hospital, 1751-1841. 186 pp., illus., bibli., index. Way, Pa.: Haverford House, 1976. $12.50.

BOOKS RECEIVED: JULY-AUGUST 1976


F. P. Blok, Caspar Barlaeus. From the Correspondence of a Melancholic. (Respublica Literaria Neerlandica, 2.) vii + 197 pp., 1 plate, bibli. name index. Assen/Amsterdam: Van Gorcum, 1976. 81 f. 55.50.


John Chanceller, Charles Darwin. 231 pp., illus., index. New York: Taplinger, 1976. $13.95.


Geoffrey Marks; William K. Beatty, Epidemics. xii + 323 pp., 16 illus., index. New York: Scribner’s, 1976. $9.95.


Nathan Rosenberg, *Perspectives on Technology*, x + 353 pp., index. Cambridge/New York: Cambridge Univ. Press, 1976. $24.95 (cloth), $6.95 (paper).


G. J. Touwen, *Dioeces on Burning Mirrors*. The Arabic translation of the lost Greek original, edited with English translation and commentary. (Sources in the History of Mathematics and Physical Sciences, 1.) ix + 249 pp., bibl., index. Berlin/Heidelberg/New York: Springer-Verlag, 1976. $27.90.


**OTHER PUBLICATIONS OF INTEREST**

*Adventures in Experimental Physics* is a semiannual publication dealing with highly innovative, unconventional, and adventurous experimentation. Each chapter includes not only the original paper as published in the original literature, together with explanatory physics notes for non-specialists, but also informative first-person discovery stories and autobiographies of the researchers which will be of interest to historians of science. *Adventures* was founded and is edited by Dr. Bogdan C. Maglič. Dr. Steven J. Dick and Dr. Craig B. Waff have recently been appointed Assistants to the Editor. In the future there are plans to broaden the series to all of the experimental sciences. Inquiries regarding subscription information and back issues can be directed to Mr. Louise Adams, World Science Education, P.O. Box 683, Princeton, New Jersey 08540.

The American Historical Association offers a kit for job hunters, consisting of three AHA publications: The Guide to Departments of History contains listings for over 200 history departments, both four-year and two-year programs, and research institutes in the United States and Canada. The listings include information about course offerings, faculty, and graduate students. The Directory of History Department Chairmen is a semiannual publication dealing with highly innovative, unconventional, and adventurous experimentation. Each chapter includes not only the original paper as published in the original literature, together with explanatory physics notes for non-specialists, but also informative first-person discovery stories and autobiographies of the researchers which will be of interest to historians of science. *Adventures* was founded and is edited by Dr. Bogdan C. Maglič. Dr. Steven J. Dick and Dr. Craig B. Waff have recently been appointed Assistants to the Editor. In the future there are plans to broaden the series to all of the experimental sciences. Inquiries regarding subscription information and back issues can be directed to Mr. Louise Adams, World Science Education, P.O. Box 683, Princeton, New Jersey 08540.

The following Bibliography is available for $1.50 from the Department of Natural Science, Atkinson College, York University, Downsview, Ontario, Canada: T. H. Leith, *Bibliography of Research Papers in the History and Philosophy and Sociology of Science, Biography of Scientists, Science and Religion, Science and the Humanities, and Education in Science*. A list of books and articles, grouped by subject for guidance in researching essays in Natural Science courses. 71 pp.

The Bibliography of McGill Northern Research lists 1500 publications and 319 theses written during the years 1907-1973 by persons associated with McGill University. It is available from the Centre for Northern Studies and Research, McGill University, P.O. Box 6070, Station A, Montreal, Canada H3C 3G1.

Clifford Truesdell’s banquet talk at the 1972 HSE-SMOT Washington meeting has just been published. The citation is as follows: C. Truesdell, “The Scholar: A Species Threatened by Professions,” *Critical Inquiry*, 2 (Summer, 1976), pp. 631-480.

**FELLOWSHIPS, GRANTS, AND SUMMER SUPPORT AVAILABLE**

The University of Akron awards a Research Fellowship which is funded by the History of Psychology Foundation and is intended to promote research in the history of psychology through the granting of a stipend up to $500 to aid a scholar wishing to utilize the primary resources of the Archives of the History of American Psychology (Ohio). The stipend is intended to defray travel and living expenses and the recipient is expected to be resident in Akron while using the materials of the Archives. Candidates should submit a prospectus of the work planned, a vita, a letter of recommendation. It is particularly important that there be evidence that the Archives is the most suitable place for the work to be undertaken. Preference will be given to advanced graduate students and younger postdoctoral scholars. Applications should be completed by March 1. The award will be announced not later than April 15. Applications should be sent to the chairman of the University of Akron awards committee, Mr. John V. Miller, Jr., Director of Archival Services, University of Akron, Akron, Ohio 44325.

The Columbia Society of Fellows in the Humanities, with grants from the Andrew W. Mellon Foundation and the William R. Kenan Trust, will appoint a number of postdoctoral fellows in the humanities for the academic year 1977-1978. Fellows newly appointed for 1977-1978 must have received the Ph.D. between 1 January 1975 and 1 July 1977. The stipend is $12,500: one half for independent research and one half for interdepartmental teaching, with modest additional grants. Apply to Director, Room 803, International Affairs Building, Columbia University, New York, New York 10027.

A grant of $15,230 has been made to the John Crerar Library, Chicago, Illinois, by the National Endowment for the Humanities to investigate the feasibility of a translations information center for the humanities. The study is scheduled to begin in October 1976.
The Gladys Krieble Delmas Foundation announces a program of predoctoral and postdoctoral fellowships for research in Venice, Italy. The following areas of study will be considered: the history of Venice and the Venetian empire in its various aspects—art, architecture, archaeology, theatre, music, literature, natural science, political science, economics, the law; also contemporary studies related to the Venetian environment such as ecology, oceanography, urban planning, and rehabilitation. Applicants must be citizens of the United States and have some experience in advanced independent research. Applications for the first grants should be received by January 15, 1977, and the first fellows will be announced by April 15, 1977. The total amount of grants per annum will be $40,000, and no individual award will be made in excess of $10,000. For further information, prospective applicants should write to The Gladys Krieble Delmas Foundation, 20 Broad Street, New York, New York 10005.

Villa I Tatti: The Harvard University Center for Italian Renaissance Studies will award between six and eight stipendary fellowships for independent study on any aspect of the Italian Renaissance for the academic year 1977-78. Stipends will be given in accord with the individual needs of the approved applicants and the availability of funds. The maximum grant will be no higher than $15,000 and must reach $10,000. Applications are welcome from scholars of any nationality. Candidates should have the Doctor's degree or equivalent standing and be about 25 to 40 years old. They must be free to devote full time to study. Fellowships run from July 1, 1977, to June 30, 1978, and Fellows are expected to be in Florence from September through June except for brief trips. Each Fellow is offered a study of his own, use of the Biblioteca Berenson and Fototeca, lunches during the weekdays, participation in the activities of the Center, and an opportunity to meet scholars of other countries working in related fields. Applicants should send their curriculum vitae and a description of their project to the Director at the above address before November 1, 1976, and duplicates to Professor Walter Kaiser, 401 Boylston Hall, Harvard University, Cambridge, Massachusetts 02138. Candidates should ask three senior scholars familiar with their work to send confidential letters of recommendation directly to the director by the same date with duplicates to Professor Kaiser. I Tatti also offers a limited number of non-stipendary fellowships for scholars working in Florence on Renaissance subjects with support from other sources. Non-stipendary Fellows should have the same qualifications and will have the same privileges as those whose stipends are derived from I Tatti funds. Scholars interested in these fellowships are described above by November 1, 1976. The Commissione per gli Scambi Culturali fra l'Italia e gli Stati Uniti offers an additional fellowship available to Italian citizens not residing in Florence. Those interested may apply directly to the Commissione, Via Buoncompagni 16, 00187 Rome. Fellows may request application forms from I Tatti. The deadline for these applications is January 31, 1977.

The National Endowment for the Humanities has announced that its program of Fellowships in Residence for College Teachers will offer sixteen seminars during the full academic year of 1977-78. These seminars will cover the following areas: the humanities and the humanistic social sciences, and will be located at universities throughout the country. Between six and twelve college teachers will be selected to attend each seminar. The maximum stipend for Fellows is $8,500 plus a moving and travel allowance of $500 for those who are not commuting from their own homes. The purpose of the program is to provide opportunities for faculty members of undergraduate and two-year colleges to work with distinguished scholars in their fields at institutions with library collections suitable for advanced research. Through research, reflection, and discussion with the seminar director and their colleagues in the seminar, participating college teachers will sharpen their understandings of the subjects they teach and improve their ability to convey these understandings to their students. Information about the seminar topics, directors, and locations for 1977-78 will be available upon request after September 1, 1976, from the Division of Fellowships, National Endowment for the Humanities, 806 15th Street, N.W., Washington, D.C. 20506. The deadline for submission of applications will be November 8, 1976.

The National Endowment for the Humanities has also announced that its program of Summer Seminars for College Teachers will offer approximately 75 eight-week seminars during the summer of 1977. These seminars will be held at various college campuses in the United States and will cover the following areas: the humanities and the humanistic social sciences and will be located at universities in all regions of the country. Twelve college teachers will be selected to attend each seminar, and planning grants are available for a tenure of two months plus a housing and travel allowance of up to $300. The purpose of the program is to provide opportunities for faculty members of undergraduate and two-year colleges to work with distinguished scholars. Applications for the first grants should be received by January 15, 1977, and the first fellows will be announced by April 15, 1977. The total amount of grants per annum will be $40,000, and no individual award will be made in excess of $10,000. For further information, prospective applicants should write to The Gladys Krieble Delmas Foundation, 20 Broad Street, New York, New York 10005.

The National Historical Publications and Records Commission announces a competition for the 1977-78 Fellowships in Documentary Editing. The fellows spend one year in training with a Commission-approved, specially selected documentary editing project in American history and receive stipends of $11,000. Candidates should hold a doctoral degree in American history of civilization or have completed all requirements for that degree except the dissertation. To request application forms, write to the Executive Director, National Historical Publications and Records Commission, National Archives Building, Washington, D.C. 20408. The application deadline is March 15, 1977.

The National Historical Publications and Records Commission and the United States will again sponsor a two-week summer Institute for the Editing of Historical Documents. The curriculum provides the opportunity for participants to work with the holdings of the Rockefeller Archive Center. Applications for grants during 1977 should be made before December 31, 1976. The names of the recipients will be announced on March 1, 1977. Applications should describe the proposed topic, and be accompanied by a personal resume and at least two letters of recommendation. Inquiries about the program should be addressed to Commissioner John C. H. Platt, 901 North St. Mary's Street, Baltimore, Maryland 21201. The Rockefeller University has established a research grant program. Grants ranging from $500 to $1,000 will be made to graduate students or advanced scholars engaged in projects based substantially on the holdings of the Rockefeller Archive Center. Applications for grants during 1978 should be made before December 31, 1977. The names of the recipients will be announced on March 1, 1978. Applications should describe the proposed topic, and be accompanied by a personal resume and at least two letters of recommendation. Inquiries about the program should be addressed to Director, Rockefeller Archive Center, Hillcrest, Pocantico Hills, North Tarrytown, New York 10591.

The Smithsonian Institution announces its programs of higher education and research training in American History and Material Culture and in The History of Science and Technology. Smithsonian Fellowships are awarded to support independent research using Smithsonian collections, facilities, and laboratories and pertaining to staff research interests. Proposals for research may be offered in fields in which the Institution has research strength: American political, military, and cultural history; including the resources of the Eisenhower Institute for Historical Research; American folklore; the history of musical instruments; the history of air and space developments; the history of mathematics, physical sciences, medicine and pharmacy, mechanical and civil engineering, and electrical technology; and the history of science and technology.
The Smithsonian Institution, Office of Academic Studies, announces the appointment of the following Fellows in the program in the History of Science and Technology for 1976-77: I. Predoctoral Fellows: (1) Hazel Garcia (University of Wisconsin), (2) David Houmashell (University of Delaware), (3) Allan Needell (Yale University), and (4) John Serves (Kansas State University). II. Postdoctoral Fellow: (1) Joan Brobom (University of Wisconsin) and (2) R. Douglas Hurt (Kansas State University).

AWARDS AND HONORS

Chauncey D. Leake, Past President of the HSS, became an octogenarian in September, and the Department of Pharmacology, School of Medicine, University of California, San Francisco, celebrated the occasion by paying tribute to him and to his contributions to people, pharmacology, medicine, history, philosophy and the arts. He was presented with a bound copy of letters from his friends at a dinner in his honor on September 29, in the Art Gallery Room of the Bohemian Club in San Francisco. A lectureship has also been established in his honor, and the first Chauncey D. Leake Lecture was delivered that morning by Dr. Irvine H. Page. Its title was "My Life and Hard Times in Research."

Jane Oppenheimer has been chosen as this year's Sarton Lecturer and will deliver her Sarton Lecture at the forthcoming February meeting of the American Association for the Advancement of Science in Denver.

Robert S. Westman (University of California at Los Angeles) has been awarded a John Simon Guggenheim Memorial Fellowship for 1976-77 in order to complete a study of "The Diffusion of the Copernican Theory, 1540-1650."

APPOINTMENTS AND PROMOTIONS

Richard A. Berendzen, formerly Dean of the College of Arts and Sciences at American University, recently has been named University Provost of the same institution. He thus becomes the chief academic officer of American University, second only to the President.

Harold L. Burstein has been appointed Chief Historian of the U.S. Geological Survey, Reston, Virginia.

Steven J. Dick has been appointed Assistant to the Editor of Adventures in Experimental Physics, published by World Science Education, Princeton, New Jersey.

James E. McClellan has been appointed Assistant Manuscript Librarian in the Library of the American Philosophical Society, Philadelphia.

Bruce T. Moran has been appointed Assistant Professor in the Department of History, University of Nevada at Reno.

Matthew Norton Wise has been appointed Assistant Professor in the Department of History, University of California at Los Angeles.

Daniel Serwer has been appointed Associate Scientist in the Office of Environmental Policy, National Center for Analysis of Energy Systems, Brookhaven National Laboratory.

Craig B. Waff has been appointed Assistant to the Editor of Adventures in Experimental Physics, published by World Science Education, Princeton, New Jersey.

VISITING APPOINTMENTS

Elof A. Carlson (SUU, Stony Brook) is on sabbatical leave for the academic year 1976-1977 at the University of Minnesota, where he is engaged in research on human genetics in the Dight Institute. He is also offering a lecture-seminar course fall quarter on the history of genetics.

Maurice A. Finocchiaro (University of Nevada, Las Vegas) has been appointed a Postdoctoral Scholar at the Center for Medieval and Renaissance Studies, University of California at Los Angeles for 1976-1977.
Robert Richards has been appointed Lecturer in the History of Science at the University of Chicago for the academic year 1976-1977.

Irmgard Staebel (Free University of Berlin) has been appointed Visiting Lecturer in the Department of History, University of California at Los Angeles, from January 1977 to March 1978.

**DISSERTATIONS IN PROGRESS OR RECENTLY COMPLETED**

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

Harvard University
Ruth Leys Fried, "Alison versus Hall: Aspects of the Formation and Reception of the Reflex Concept in Britain" (completed).
Charlotte M. Porter, "The Exclusive Naturalists or The Development of American Taxonomy at the Philadelphia Academy of Natural Sciences, 1812-1842" (completed).
Shirley A. Roe, "The Haller-Wolff Debate over Embryological Development: A Case Study in the Philosophy of Biology" (completed).

Indiana University
Warren Van Egmond, "The Commercial Revolution and the Beginnings of Western Mathematics in Renaissance Florence, 1300-1500" (completed).

Purdue University and University of Wisconsin
David C. Cassidy, "Werner Heisenberg and the Crisis in Quantum Theory, 1920-1925" (completed).

University of Texas at Austin
Michael A. McCormick, "The Biological Theory of Auguste Comte" (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 Society expressed on the desirability of open listing of available positions.

**JOB OPENINGS**

The positions listed below are new openings that have been brought to the attention of the Secretary. Other new openings should also be brought to his attention as soon as possible. All inquiries should be addressed to the institution having the opening, and only serious and qualified persons should apply. It is assumed that the positions listed are in fact open at the time of publication. The Society, however, can assume no responsibility for the accuracy or currency of the listing.

1. University of Alabama in Birmingham, University Station, Birmingham, Alabama 35294. 
   Description: This is a teaching and research position. The individual would be expected to conduct seminars in the Medical Center of the University of Alabama in Birmingham as well as to teach courses in the history of science for undergraduate students of University College of the University of Alabama in Birmingham. In addition, it is anticipated that this person would possess the competence to use the historical collection in the history of life sciences housed in Reynolds Historical Library of the Lister Hill Library. 
   Rank: Dependent upon experience. 
   Salary: Dependent upon experience. 
   Primary Appointment: The primary appointment would be in the Department of History of Medicine. 
   Starting Date: Summer, 1976. 
   Note: The University of Alabama is an equal opportunity/affirmative action employer. 
   Contact: Professor Virginia V. Hamilton, Chairperson, Department of History, 330 Ullman Building, or Dr. Howard L. Holley, Anna L. Waters Professor of Medicine in Rheumatology, Rheumatology Department.

   Position: senior in medicine of or of the recent biological sciences. 
   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 a 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.

   Position: Director, Division of Medical History. 
   Description: The Director will organize a new program of study, teaching, research and publication on contemporary medical issues in historical perspective, integrating into the program a large historical library, a museum of historical pathology and an historical club. Applicants must have a doctorate in medicine and/or history or related credentials. 
   Contact: Chairman, Medical History Search Committee.

4. University of Minnesota, Minneapolis, Minnesota 55455. 
   Position: Visiting Assistant Professor for academic year 1977-1978. 
   Description: This is a one-year temporary appointment as a replacement for a faculty member who will be on sabbatical leave. Individual appointed may specialize in any area of the history of science, but preference likely will be given to someone who covers one of the fields currently not represented in the program, such as the history of mathematics, astronomy, chemistry, psychology, or any of the social sciences. Teaching duties will be light enough to allow the individual appointed to have ample opportunity to pursue his or her research interests while in residence. 
   Deadline for Applications: December 15, 1976. It is hoped that personal interviews with candidates can be arranged at the 1976 Philadelphia meeting of the NSS. 
   Note: The University of Minnesota is an Equal Opportunity/Affirmative Action Employer. 
   Contact: Professor Roger H. Stuewer, School of Physics and Astronomy.

   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 Building.


Position: Research Assistant at the Joseph Henry Papers to aid the project's historical editors in the preparation of Henry manuscripts for publication.

Description: Research will largely involve published sources in the history of the sciences in the 19th Century and in related topics in American history. Candidate will also work extensively in manuscript and archival collections and in local sources to help in identifying often obscure people, places, and publications. A B.A. in history, with some graduate work is desirable along with a willingness to master at least one of the subject areas required by the project. $11,046 on 12-month basis. Possibilities for advancement.

Note: The Smithsonian Institution is an affirmative action employer.

Contact: Dr. Nathan Reingold, Editor, Joseph Henry Papers.

7. Swinburne College of Technology, P.O. Box 218, Hawthorn, Melbourne, Australia 3122.

Position: Lecturer in History and Philosophy of Science.

Description: The Faculty of Arts through the Department of Humanities, offers both degree and diploma majors in History and Philosophy of Science. The subject areas commonly taught are History of Astronomy, History of Evolutionary Theories, Technology and Society, History of the Social Sciences, The Scientific Revolution, Philosophies of the Physical and Social Sciences, and Philosophy. The College is presently seeking a lecturer to teach mainly in the area of Philosophy of the Physical and Social Sciences and Philosophy, but the person appointed will also have some teaching duties in an appropriate history of science area. However, applications from persons expert in any of the other areas mentioned above, or related disciplines, will also be considered.

Qualifications: A degree, preferably a higher degree, with major studies in philosophy of science, or philosophy, or history of science, or history of technology, or sociology of science. Salary: within the range $13,033-$17,427 (Australian).

Deadline for Applications (which is likely to be extended for a week or two for overseas applicants): October 29, 1976.

For further information write to the Registrar. Applications (in duplicate) should also be sent to the Registrar.

8. University of Tel Aviv, Israel.

Description: Institute for the History and the Philosophy of Science invites applications from persons working in any branch of the area defined by designation of the institute. Rank according to qualifications. Appointee expected to take up position in the beginning of 1977-1978 academic year.

Note: This position listing is taken from the August 1976 issue of Physics Today.

Contact for further information: Professor Y. Ne'eman, Department of Physics, or Professor G. Weiler, Department of Philosophy.

9. Texas A & M University, College Station, Texas 77843.

Position: Assistant Professor of History.

Description: Candidate must have Ph.D. in History of Science and Technology in hand; teaching experience; German language proficiency and chemistry/chemical engineering expertise. Position will include involvement in funded archival field research project in World War II period and teaching Western Civilization or American History. Send C.V. only by December 1, 1976. TAMU is an equal opportunity employer.

Contact: Professor Keith L. Bryant, Jr., Chairman, Department of History.
Postmaster: Return postage guaranteed

Professor Roger H. Stuewer
School of Physics and Astronomy
University of Minnesota
Minneapolis, Minnesota 55455

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