

History of Science Society

NEWSLETTER

Volume IV, Number 2

May 1975

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

Please send all news items, written as concisely as possible, to the Secretary of the Society, Dr. Roger H. Stuewer, WHOSE ADDRESS UNTIL AUGUST 31, 1975, will be Department of the History of Science, Harvard University, Holyoke Center 838, Cambridge, Mass. 02138. The deadline for receipt of news for the August issue is July 20, and THIS WILL BE THE ONLY CALL FOR NEWS THAT WILL BE ISSUED.

1975 ANNUAL MEETING OF THE HSS IN ATLANTA, GEORGIA (DECEMBER 28-30)

The HSS will hold its 1975 Annual Meeting with the American Historical Association in Atlanta, Georgia, December 28-30. The Chairman of the Program Committee is Professor Michael R. McVaugh, Department of History, University of North Carolina, Chapel Hill, North Carolina 27514. The Local Arrangements Chairman is Professor Robert H. Silliman, Department of History, Emory University, Atlanta, Georgia 30322. SUGGESTIONS FOR THE 1975 PROGRAM ARE STILL BEING ACCEPTED AND SHOULD BE SENT IMMEDIATELY TO PROFESSOR McVAUGH.

1975 HENRY SCHUMAN PRIZE REMINDER

A complete announcement on the 1975 Henry Schuman Prize was published in the November 1974 Newsletter. Nominations should be submitted to the Chairwoman of the Schuman Prize Committee, Professor Joan Cadden, 1750 Athens Street, Boulder, Colorado 80302, by July 1, 1975.

HSS RECEIVES SECOND SLOAN FOUNDATION GRANT

The HSS Committee on Undergraduate Education, Professor Harold I. Sharlin, Chairman, has received a second Sloan Foundation grant in the amount of \$15,375 to hold a

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

\$ _____ per annum 1974-1976

\$ _____ herewith enclosed

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

conference on teaching in the history of science and technology. The conference will be held in Ames, Iowa, May 19-20, 1975, and in addition to Committee members, a number of other members of the Society have been invited to attend. Papers on undergraduate and graduate education in the history of science and technology will be presented, discussed, and incorporated into the final report of the Committee.

NATIONAL SCIENCE TEACHERS ASSOCIATION BICENTENNIAL ESSAY AWARD

As part of its Bicentennial Year activities, the National Science Teachers Association announces a prize competition for papers on the history of science education in the United States. Essays are to represent original scholarship on a selected aspect of science education or science teaching. Papers are to be within a range of approximately 5,000 to 15,000 words. The top award will be \$1,000. Additional awards may be given by the judges. Deadline for receipt of manuscripts is December 1, 1975. For further information and an entry form, write to Robert L. Silber, Executive Director, National Science Teachers Association, 1742 Connecticut Avenue, N.W., Washington, D.C. 20009.

NATIONAL SPACE CLUB 1975 COMPETITION FOR GODDARD HISTORICAL ESSAY AWARD

The National Space Club announces the opening of the Robert H. Goddard Historical Essay Award competition for 1975. This annual nationwide competition, with a \$500 prize, is open to any U.S. citizen. Essays, not to exceed 5,000 words, may treat any significant aspects of the historical development of rocketry and astronautics and will be judged on their originality and scholarship. They may bring new information to light or may cast a new and different light upon events or individuals influencing rocketry and astronautics in the United States. Complete rules may be obtained from, and entries should be submitted by November 1, 1975, to the Goddard Historical Essay Contest, c/o National Space Club, 1629 K Street, N.W., Washington, D.C. 20006. The winner will be announced at the Awards Ceremony in early 1976 and will receive the Goddard Historical Essay Trophy, Certificate and a \$500 prize.

ROCKEFELLER FOUNDATION SUPPORT FOR THE HUMANITIES

The following remarks have been excerpted from a March 31, 1975, news release written by John H. Knowles, M.D., President, The Rockefeller Foundation:

"There is a significant groundswell of interest and concern at all levels and age groups of our country with the moral ordering of our priorities as a people and a nation. The Foundation must foster and encourage the movement to understand and rediscover ourselves--our historic beliefs and values, our diversity, our very purpose.

"The arts and humanities tell us who we are, who we have been, where we are disjointed, and what we might become.... The Foundation has a vital role to play in an area which government, and most foundations, have shunned.

"...From many different directions, humanists have been challenged to enlarge and to deepen traditional ways of thinking:

"--An unresolved debate has arisen concerning the gulf between humanistic and scientific culture. Attention has been drawn to widening internal conflicts between central ideas of modern civilization--between values and techniques, between freedom and the

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order required by technology, between experts and citizens, between faith in progress and fear of impending environmental and social breakdown.

"--Rapid strides in genetics and in medical science disturbed an ancient consensus about the meaning of fundamentals like life and death. They also raised questions about unbridled scientific experimentation, about the rights of individuals, and about choices among competing values.

"--Widespread interest in other cultures beyond Western culture...has obliged Western humanists to expand the range of their interests and their store of methods....

"--Virtually all major professions--from law, medicine, public administration, science, and journalism to engineering and business--have had to face moral problems both within and beyond their specialization.... The decisions that they daily make depend not merely upon technical expertise but also upon competing moral values....

"The Foundation hopes to make a contribution to the new flowering of the humanities now on the horizon. It will do so by encouraging the renewal and re-definition of the humanities--in university settings, in creative institutions and centers, among all groups of Americans. Support for the humanities and encouragement of humanists in all countries will be emphasized."

In addition, the Foundation announced that Dr. Joel Colton, 56, author of the prize-winning 1966 biography, Leon Blum: Humanist in Politics, has been appointed the first Director for Humanities the Foundation has had in a dozen years, "which is some indication that the Foundation intends to place a greater emphasis in this area."

REPORT ON OHIO ACADEMY ANNUAL HISTORY OF SCIENCE MEETING
(COLUMBUS, MARCH 8, 1975)

Professor Ralph W. Dexter, Department of Biological Sciences, Kent State University, Kent, Ohio 44240, reports that the 10th annual History of Science meeting sponsored by The Ohio Academy of Science was held March 8, 1975, in Columbus. The morning session consisted of a symposium presided over by Ronald L. Stuckey (Ohio State University) on "Historical Aspects of Nature and Conservation Education." It consisted of papers by Ruth W. Melvin (Ohio Academy of Science), "Geology: Incidental or Essential (Historical Perspectives)"; Ralph W. Dexter (Kent State University), "Contributions of the Salem Group of Agassiz Zoologists to Natural Science Education"; Charles Oehler (Cincinnati Museum of Natural History), "History of Traveling Museums at Cincinnati"; Walter A. Tucker (Retired-Director Secretary, Columbus Metropolitan Parks), "Professional Training in Nature Interpretation (Historical Perspectives)"; and Charles C. King (Ohio Biological Survey), "History and Progress Report of the Natural History of Ohio Project." The afternoon session, presided over by Emanuel D. Rudolph (Ohio State University), consisted of the following contributed papers: Charlotte M. Porter (Harvard University), "Science at New Harmony"; Theodore W. Jeffries (Lorain County Community College), "The Role of John Heckewelder in American Science and Medicine"; Lael E. Bradshaw (Wittenberg University), "Some Environmental Theories of Disease in Early 19th Century America"; Sister Elizabeth Henry Bellmer (Trinity College and Ohio State University), "The Reaction of the Catholic Church to Darwinism in 19th Century England"; Pancos D. Bardis (University of Toledo), "Philosophical, Social and Technological Aspects of Time in Ancient Rome"; Mary Lee Hess (Ohio State University), "A Re-enactment of the Experiments Which Led to Boyle's Law"; and Jean Horiszny (Columbus, Ohio), "A Woman Mathematician of the 19th Century."

REPORT ON INTERNATIONAL SOCIETY FOR THE COMPARATIVE STUDY OF CIVILIZATIONS
ANNUAL MEETING (UNIVERSITY OF PITTSBURGH, MARCH 21-23, 1975)

Professor Benjamin Nelson, New School for Social Research, 65 Fifth Avenue, New York, New York 10003, reports that the annual meeting of the ISCSC was held at the University of Pittsburgh, March 21-23, 1975. Among the papers presented were the following: David B. Richardson (Edinboro State College), "Sino-European Synthesis, Leibniz and the Rise of Contemporary Historicism"; Samuel H. Baron (University of North Carolina, Chapel Hill), "Marx's Grundrisse and the International Revival of the 'Asiatic Mode of Production'";

W. Paul Vogt (State University of New York, Albany), "Durkheim and the Development of Social Scientific Thought"; and Benjamin Nelson, "Max Weber as a Pioneer of Civilizational Analysis." For further information, contact Professor Nelson.

UNIVERSITY OF MARYLAND COMMITTEE ON THE HISTORY AND PHILOSOPHY OF SCIENCE

The Departments of History and Philosophy at the University of Maryland at College Park announce the formation of the Committee on the History and Philosophy of Science offering interdisciplinary graduate courses of study in History and Philosophy of Science leading to the M.A. and Ph.D. degrees. Members of the Committee are: Stephen Brush (history of physical science, 19th and 20th century planetary physics), Lindley Darden (history and philosophy of biology), John Duffy (history of medicine and public health), James Kirkpatrick Flack (American social and intellectual history: public institutions), Michael Gardner (philosophy of physics, philosophy of science), Francis Haber (European intellectual history: Darwinism and the concept of time), Dudley Shapere (history and philosophy of natural science, space and time), Frederick Suppe (philosophy of science, history of the philosophy of science), and Ilmar Waldner (philosophy of the social sciences, science and society, rational decision theory). Joan Bromberg (history of modern physics) will be a visiting lecturer for the year 1975-76. Cooperative faculty from various departments on the College Park and Baltimore County campuses include Edward Dager (sociology of science), Raymond Doetsch (history of microbiology), Avron Douglis (history of mathematics), Samuel Gorovitz (philosophy of medicine), Sandra Herbert (history of biology), Helmut Landsberg (history of meteorology), Willard Larkin (history of psychology), James Leshner (Greek philosophy and science), John Levinson (history of psychology), Arnold Levison (philosophy of the social sciences), Raymond Martin (causality, philosophy of history), Charles Misner (general relativity theory), Mancur Olson (decision theory), Leonora Cohen Rosenfield (science and French literature), William Stuart (history and philosophy of anthropology), and Lars Svenonius (philosophy of mathematics, logic). For further information write to the Chairperson, Committee on the History and Philosophy of Science, 1131 Skinner Hall, University of Maryland, College Park, Maryland 20742.

UNIVERSITY OF PENNSYLVANIA HEALTH AND SOCIETY COURSES

The Department of History and Sociology of Science at the University of Pennsylvania has undertaken the teaching and organization of a cluster of courses and seminars on "Health and Society" within the University's College of Thematic Studies. The "core" course focuses on "concepts of health." During the spring of 1975 the course will feature several distinguished visitors, including Drs. Bert Brieger (Duke); William Coleman (Johns Hopkins); Leo Ribuffo (George Washington University); Ralph Crozier (University of Rochester); Barbara Rosenkrantz (Harvard) and Gerald Geison (Princeton).

SOCIETY FOR THE SOCIAL STUDY OF SCIENCE

Professor Arnold Thackray, Department of the History and Sociology of Science, University of Pennsylvania, Philadelphia 19174, notes that science and scientists are increasingly confronted by perplexing questions which are social in nature. At the same time science itself has become an object of social analysis and social concern. Scholars from many disciplines have therefore been drawn into the rapidly evolving discussion of the social characteristics of science and technology, the historical forces affecting scientific and technological development, and the cultural significance of science as a socio-intellectual phenomenon. Important new work is now appearing on such matters as the internal organization of the scientific community (social stratification, reward systems, communication networks, citation patterns), the policy dimensions of science and technology (economic returns on research, supply of and demand for personnel, science indicators, technology assessment, ethical implications of biomedical advances) and the social determinants of scientific activity (professionalization and theory differentiation, scientific careers and social values, industrialism and the forms of scientific life, public understanding of science). The interplay of intellectual opportunities, social forces

and cultural assumptions embedded in the rapid growth of this area of enquiry, itself exemplifies the subject matter appropriate to the social study of science. Recognizing the new, vigorous state of the social study of science, it is proposed to form a Society for the Social Study of Science. The Society will be international in membership, multi-disciplinary in scope and catholic in approach. While no one discipline or methodology can hope to command so subtle and complex a field, the members of the Society will be united by a common commitment to intellectual rigor in the social study of science. The organizing meeting of the Society will take place in San Francisco at 4:30 P.M. on Tuesday, August 26, 1975, in conjunction with XIV International Congress of Historical Sciences and the Annual Meeting of the American Sociological Association. All interested historians of science are urged to attend. Further details may be obtained by writing to the Director, Social Analyses of Science Systems, Cornell University, 323 Uris Hall, Ithaca, New York 14853.

THE SIMMONS COLLECTION OF RECORDS RELATING TO BRITISH WINDMILLS AND WATERMILLS

The historical collections in the Science Museum Library, London, have been enriched by a notable gift from Mrs. Simmons of records of British windmills and watermills made by her husband, the late Mr. H.E.S. Simmons of Shoreham-by-Sea, over a period of 40 years. The collection consists of some 240 folders of typed information collected from many sources, and approximately 300 maps of various dates on which locations of mills have been marked. The records, which are arranged by county, are being supplemented by photographic prints of many mills, from over 2000 negatives prepared by Mr. Simmons in the course of his travels. The material is being indexed and will then be available for consultation by readers. In the meantime, inquiries to The Keeper, Science Museum Library, South Kensington, London, SW7 5NH, England, will be answered and limited consultation will be possible on Mondays to Fridays inclusive, from 10:00 A.M. to 5:30 P.M.

ARNO PRESS REPRINTS

Arno Press, Inc., 330 Madison Avenue, New York, New York 10017, announces the publication of 60 reprinted books on the history, philosophy and sociology of science selected by Yehuda Elkana, Robert K. Merton, Arnold Thackray, and Harriet Zuckerman.

FELLOWSHIPS AND GRANTS

The American Council of Learned Societies in a national competition recently awarded Grants-In-Aid to thirty-nine scholars from twenty-six 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 the National Endowment for the Humanities. Included among the recipients were the following: (1) Bert Hansen, Assistant Professor of History, State University of New York at Binghamton: "The character, background, and impact of John Dee's Mathematical Preface"; (2) Regina Morantz, No academic affiliation, Ph.D. in American History, Rockville, Maryland: "The entrance of women into the medical profession in 19th century America"; (3) Laura S. O'Connell, No academic affiliation, Ph.D. in History, Santa Barbara, California: "Portraits of merchants and craftsmen in Elizabethan best sellers and popular drama"; and (4) Richard S. Westfall, Professor of History of Science, Indiana University, Bloomington: "A biography of Isaac Newton."

The American Council of Learned Societies in a national competition also recently awarded ninety-four fellowships for periods of six months to one year. Eighty-one of these were awarded for post-doctoral research in the humanities and related social sciences. In addition, thirteen post-doctoral fellowships were awarded to assist young scholars to enlarge their range of knowledge by study in fields outside their present areas of specialization. This program has been made possible by grants from the Carnegie Corporation of New York, The Ford Foundation, and the National Endowment for the Humanities. The

Fellows are associated with sixty-nine colleges and universities in the United States and Canada. Included were the following: (1) Kenneth S. Friedman, Associate Professor of Philosophy, State University of New York, College at Oswego: "Study of the thermodynamic foundations of biology"; (2) Alfred Gollin, Professor of History, University of California, Santa Barbara: "A history of British air power"; (3) Edward Grant, Professor of History and History and Philosophy of Science, Indiana University: "Place, space, and vacuum in Medieval physical thought"; (4) Diane Lindstrom Jacobsen, Assistant Professor of History, University of Wisconsin: "Industrialization in the American Northeast, 1810-1850"; (5) Howard Jones, Assistant Professor of Classics, McMaster University, Canada: "A critical edition of the Institutio Logica of Pierre Gassendi"; (6) Emory L. Kemp, Professor of Civil Engineering and Humanities, West Virginia University: "An assessment of Victorian engineering"; and (7) John E. Murdoch, Professor of History of Science, Harvard University: "The analysis of motion and change in the later Middle Ages."

The Rockefeller Foundation recently announced the selection of its initial 34 Humanities Fellows, a key element in its plan to expand support for the humanities. The Fellowship program was announced last spring with a \$600,000 appropriation to support the "production of works of humanistic scholarship and reflection intended to illuminate and assess the values of contemporary society." About 140 of the almost 2000 applicants were asked to submit proposals, before the final 34 were chosen by an outside group of distinguished humanists. Included among the 34 Fellows were the following: (1) Barry M. Casper, Associate Professor of Physics, Carleton College, to undertake a study of the role of scientists in the formation of public policy; (2) Martin Duberman, Distinguished Professor of History, Herbert H. Lehman College, and Doctoral Faculty, Graduate School and University Center, City University of New York, to undertake a study on the history of sexuality in the United States; (3) S. P. Fullinwider, Associate Professor of History, Arizona State University, to undertake a history of the idea of schizophrenia; (4) Dallas M. High, Chairman, Department of Philosophy and Professor of Philosophy, University of Kentucky, to undertake a study of the philosophical and ethical problems raised by advances in biology and medicine with respect to the terminally and chronically ill; (5) Jon Moline, Professor of Philosophy, University of Wisconsin, to undertake a study on environmental ethics; (6) Richard B. Parker, Assistant Professor of Law, School of Law, Rutgers University, Newark, to undertake a study of the philosophical and legal implications of the rights of an individual to control his or her body; and (7) Peter Y. Windt, Chairman, Department of Philosophy, and Associate Professor of Philosophy, The University of Utah, to undertake a critical analysis of technologically controlled changes in human behavior.

AWARDS AND HONORS

Bernard R. Goldstein, University of Pittsburgh, was awarded a Guggenheim Fellowship for study at Brown University for the year 1975. His research is on "Studies in Medieval Astronomy," and he holds an appointment as Visiting Professor in the Department of the History of Mathematics. He has recently published The Astronomical Tables of Levi ben Gerson in the Transactions of the Connecticut Academy.

George B. Kauffman, California State University, Fresno, has been awarded a grant from the Guggenheim Foundation to aid in the publication of his Classics in Coordination Chemistry, Part II. Part I has already been published by Dover as part of the Classics of Science series.

Benjamin Nelson, Professor of Sociology and History, New School for Social Research, New York, has been named an Advisor of the "Goals for Global Society" Research Project sponsored by the Club of Rome in association with the State University College of Arts and Sciences at Geneseo, New York.

Edward Rosen, Professor of the History of Science at the City University of New York, has been appointed by the Centre National de la Recherche Scientifique to help a team of scholars at the Paris Observatory translate one of his books into French.

APPOINTMENTS AND PROMOTIONS

Bert Hansen has been appointed Assistant Professor of History at the State University of New York at Binghamton, effective September 1, 1975.

Henrika Kuklick has been appointed senior fellow of the Department of History and Sociology of Science at the University of Pennsylvania.

Edwin T. Layton has been appointed Professor of the History of Science and Technology in the Department of Mechanical Engineering at the University of Minnesota, effective September 1975.

Henry Small has been appointed senior fellow of the Department of History and Sociology of Science at the University of Pennsylvania.

VISITING APPOINTMENTS

Donald S.L. Cardwell has been appointed Hill Visiting Professor of the History of Science and Technology in the Department of Mechanical Engineering at the University of Minnesota for spring quarter 1976.

WORK IN PROGRESS

Mr. and Mrs. Edmund Berkeley, 42 Canterbury Road, Bellair, Charlottesville, Virginia 22901, are engaged in writing a biography of the Philadelphia Quaker botanist, John Bartram (1699-1777).

Professor Harry Frankfurt, Rockefeller University, New York, New York 10021, writes that plans are being made to publish a series of new English translations of philosophical works dating from the Renaissance to the early twentieth century. Volumes in the series will present original texts and translations on facing pages, together with scholarly introductions and critical apparatus. The American Philosophical Association Subcommittee on Translations is interested in receiving suggestions concerning texts for which translations are needed, as well as information concerning translations in progress or completed but not yet published. Please reply to Professor Frankfurt, who is Chairman of the Subcommittee.

Miss Martine La Graviere, 10 rue Philippe Dewolfs, B-1170 Brussels, Belgium, who is a student of Egyptology at the Oriental Institute of the Free University of Brussels, is researching Egyptian pharaonic medicine in connection with her studies on the education and role of the doctor-medicine preparer. She would like to communicate with physicians interested in her research in the history of medicine.

Professor Karel Hujer, Department of Physics and Astronomy, University of Tennessee at Chattanooga, Chattanooga 37401, continues to publish and lecture widely on the history of astronomy. For a bibliography of his writings, please contact Professor Hujer.

DISSERTATIONS IN PROGRESS OR RECENTLY COMPLETED

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

University of Toronto

Janis Langins, "Science and Politics at the Ecole Polytechnique 1794-1804" (in progress).

ADDITIONAL BOOKS RECEIVED BY ISIS: SEPTEMBER-DECEMBER 1974

Ladislao Reti (ed.) The Unknown Leonardo. 319 pp., illus., index. New York: McGraw-Hill, 1974. \$39.95.

J. Rose, The Cybernetic Revolution. ix + 238 pp., index. New York: Barnes & Noble, 1974. \$19.50.

George Rosen, From Medical Police to Social Medicine. Essays on the History of Health Care. 327 pp., 20 illus. New York: Science History Publications, 1974. \$8.95 (cloth), \$5.95 (paper).

George Schüler, Der Basler Irrenarzt Friedrich Brenner 1809-1874. Ein Beitrag zur Geschichte der Schweizer Psychiatrie sowie zur Sozial-, Religions- und Kulturgeschichte der Stadt Basel im 19. Jahrhundert. (Veröffentlichungen der Schweizerischen Gesellschaft für Geschichte der Medizin und der Naturwissenschaften, 27.) 236 pp., bibl., index. Aarau: Verlag Sauerländer, 1974. Sw. Fr. 24.-- (paper).

R. J. Seeger; R. S. Cohen (eds.), Philosophical Foundations of Science. Proceedings of Section L, 1969, American Association for the Advancement of Science. (Synthese Library, Vol. 58 - Boston Studies in the Philosophy of Science, Vol. XI.) ix + 545 pp., illus. Dordrecht/Boston: D. Reidel, 1974. \$47.00 (paper).

Wanda M. Stachiewicz, Copernic et les temps nouveaux. 64 pp., 20 illus., bibl. Quebec: Presses de l'Université Laval, 1974. \$2.00 (paper).

Henry John Steffens; H.N. Muller, III (eds.), Science, Technology, and Culture. viii + 204 pp. New York: AMS Press, 1974. \$10.00.

Willem van Hoorn, As Images Unwind: Ancient and Modern Theories of Visual Perception. xiv + 281 pp., illus., bibl., name index, subject index. Amsterdam: University Press Amsterdam, 1972. Hfl.64.--.

Ian Varcoe, Organizing for Science in Britain: A Case Study. (Science and Engineering Policy Series.) ix + 94 pp., index. London/New York: Oxford University Press, 1974. \$7.75; £2.40.

Gordon Willey (ed.), Archaeological Researches in Retrospect. xix + 296 pp., illus. glossary. Cambridge, Mass.: Winthrop Publishers, 1974.

Benjamin H. Willier; Jane M. Oppenheimer (eds.), Foundations of Experimental Embryology. Second edition, enlarged with a new Introduction by Jane M. Oppenheimer. xxiv + 277 pp., illus. New York: Hafner, 1974. [First edition, 1964, reviewed in Isis, 1965.]

BOOKS RECEIVED BY ISIS: JANUARY-FEBRUARY 1975

Erwin H. Ackerknecht; Heinrich Buess, Kurze Geschichte der grossen Schweizer Ärzte. 110 pp., illus., bibl., index. Berne: Hans Huber, 1975. Fr. 24.--; DM 22.-- (paper).

Art, Science and Technology: The Genius of Leonardo. (Reprinted from Philosophical Foundations of Science, ed. by Raymond J. Seeger and Robert S. Cohen, Boston Studies in the Philosophy of Science, Vol. XI.) 133 pp., illus. Boston/Dordrecht: D. Reidel, 1974.

Barry Barnes, Scientific Knowledge and Sociological Theory. (Monographs in Social Theory, edited by Arthur Brittan.) x + 192 pp., bibl., author index, subject index. London/Boston: Routledge & Kegan Paul, 1974. \$12.25 (cloth), \$6.00 (paper).

Ludwig Boltzmann, Theoretical Physics and Philosophical Problems. Selected Writings. Ed. by Brian McGuinness. (Vienna Circle Collection, Vol. 5.) xvi + 280 pp., bibl., index. Dordrecht/Boston, 1974. \$33.50 (paper).

R. Hanbury Brown, F.R.S., The Intensity Interferometer: Its Application to Astronomy. xvi + 184 pp., illus., bibl., index. London: Taylor & Francis; New York: Halsted Press (John Wiley & Sons), 1974. \$18.75.

D.S.L. Cardwell (ed.), Artisan to Graduate. Essays to commemorate the foundation in 1824 of the Manchester Mechanics' Institution, now in 1974 the University of Manchester Institute of Science and Technology. viii + 284 pp., 13 plts., index. Manchester: Manchester University Press, 1974. £5.00.

Charles Darwin; Thomas Henry Huxley, Autobiographies. Ed., with an introduction by Gavin de Beer. (Oxford English Memoirs and Travels.) xxvi + 123 pp., 18 plts., index. London/New York/Toronto: Oxford Univ. Press, 1974. \$10.75; £3.30.

Dictionary of Scientific Biography. Vol. X: S. G. Navashin - W. Piso. Ed. by Charles Coulston Gillispie. xii + 622 pp. New York: Scribner's, 1974. \$40.

Roger Dufresne, Bibliographie des écrits de Freud. (Collection Science de l'Homme.) 268 pp., index. Paris: Payot, 1973.

Brian Easlea, Liberation and the Aims of Science. An Essay on Obstacles to the Building of a Beautiful World. xiv + 370 pp., 2 indexes. Totowa, N.J.: Rowman and Littlefield, 1973. \$17.50.

Marcello Felli, L'orologio notturno. (Istituto e Museo di Storia della Scienza di Firenze, Descrizione dell'Uso degli Strumenti Antichi.) 14 pp., 3 illus., 1 color plate, cardboard model. Firenze: Edizioni Arnaud e Istituto e Museo di Storia della Scienza, 1974.

D. W. Forrest, Francis Galton: The Life and Work of a Victorian Genius. x + 340 pp., 16 plates, 3 apps., index. New York: Taplinger, 1974.

Dietlinde Goltz, Studien zur altorientalischen und griechischen Heilkunde. Therapie - Arzneibereitung - Rezeptstruktur. (Sudhoffs Archiv, Beiheft 16.) xiv + 352 pp., bibl., index. Wiesbaden: Franz Steiner, 1974. DM 80.-- (paper).

F. Gonseth, Les fondements des mathématiques. De la géométrie d'Euclide à la relativité générale et à l'intuitionisme. Préface de Jacques Hadamard. Reprint of 1926 edition. xiv + 243 pp. Paris: Librairie Scientifique et Technique Albert Blanchard, 1974. F 45,-- (paper).

Ferdinand Gonseth, Les mathématiques et la réalité. Essai sur la méthode axiomatique. Reprint of 1936 edition. 386 pp. Paris: Librairie Scientifique et Technique Albert Blanchard, 1974. F 50,--.

Hermann Grensemann, Knidische Medizin. Teil I: Die Testimonien zur ältesten knidischen Lehre und Analysen knidischer Schriften im Corpus Hippocraticum. (Ars Medica, II: Abteilung, Griechischlateinische Medizin, Band 4, 1.) xxiii + 275 pp., indices. Berlin/New York: Walter de Gruyter, 1975. DM 128.--.

Georges Gusdorf, Les sciences humaines et la conscience occidentale. Tome VI: L'avènement des sciences humaines au siècle des lumières. (Bibliothèque Scientifique.) 589 pp. Paris: Payot, 1973.

Rudolf Haase, Aufsätze zur Harmonikalen Naturphilosophie. 255 pp., bibl. Graz (Austria): Akademische Druck- u. Verlagsanstalt, 1974.

Sir John F. W. Herschel (ed.), Admiralty Manual of Scientific Enquiry. Facsimile reprint of 1851 edition. New Introduction by David Knight. xxii + xi + 503 pp., folding maps, tpls. London: Dawsons of Pall Mall, 1974. £14.00.

Lise Jardine, Francis Bacon: Discovery and the Art of Discourse. viii + 267 pp., bibl., index. Cambridge/New York: Cambridge Univ. Press, 1974. \$15.50.

Jürgen Klüver, Operationalismus: Kritik und Geschichte einer Philosophie der exakten Wissenschaft. (Problemata, 2.) 220 pp., bibl., index. Stuttgart: Friedrich Frommann-Günther Holzboog, 1971.

Yu. Kh. Kopelevich, Vozniknovenie nauchnykh akademii, seredina XVII - seredina XVIII V. [The origin of scientific academies, from the mid-17th to the mid-18th century.] (Akademia Nauk SSSR, Institut Istorii Estestvoznania i Tekhniki.) 266 pp., illus., bibl., index. Leningrad: Izdatel'vstvo "Nauka," Leningradskoe Otdelenie, 1974.

W. H. Leatherdale, The Role of Analogy, Model and Metaphor in Science. viii + 276 pp., bibl., index. Amsterdam/Oxford: North-Holland; New York: American Elsevier, 1974. Dfl. 45.00; \$17.50 (paper).

Naphthali Lewis, Papyrus in Classical Antiquity. viii + 152 pp., 8 plates, indices. Oxford: Clarendon Press; New York: Oxford University Press, 1974. \$17.75.

Philip K. Lundberg, Samuel Colt's Submarine Battery. The Secret and the Enigma. (Smithsonian Studies in History and Technology, 29.) v + 90 pp., illus., index. Washington: Smithsonian Institution Press, 1974. \$1.95 (paper).

L. E. Maistrov, Probability Theory: A Historical Sketch. Trans. and ed. Samuel Kotz. xiii + 281 pp., bibl., index. New York/London: Academic Press, 1974. \$22.50.

Frank E. Manuel, The Religion of Isaac Newton. The Fremantle Lectures 1973. vi + 141 pp., index. Oxford/New York: Oxford University Press, 1974. \$11.25.

Edward G. Mazurs, Graphic Representations of the Periodic System during one Hundred Years. xii + 251 pp., illus., bibl., author index. University: Univ. of Alabama Press, 1974. \$15.

Shigeru Nakayama; David L. Swain; Eri Yagi (eds.), Science and Society in Modern Japan. Selected Historical Sources. (The M.I.T. East Asian Science Series, 5.) xxvii + 337 pp., bibl., index. Cambridge, Mass.: The MIT Press, 1974. \$25.

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REQUEST FOR JOB INFORMATION

Individuals in colleges, universities, and other institutions having knowledge of possible or definite job openings are urged to relay such information to the Secretary of the Society, Dr. Roger H. Stuewer, as soon as possible for publication in the Newsletter. Such sharing of job information is consistent with the general sentiment that members of the HSS expressed on the desirability of open listing of available positions.

JOB OPENINGS

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

1. The Smithsonian Institution, Washington, D.C. 20560.

Position: Assistant Editor of the Joseph Henry Papers, starting summer 1975.

Description: A Ph.D. degree is preferred, but will consider candidates very close to the degree. Ideally, the Assistant Editor should have a good background in the history of the physical sciences in the 19th century and in the history of science in the United States. One of these specializations with clear signs of potential for acquiring the other is acceptable. Familiarity with use of manuscripts is desirable. Salary will be \$15,481 on a twelve-month basis. The Smithsonian Institution is an Affirmative Action Employer.

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

Postmaster: Return postage guaranteed.

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