Please note that after June 15 all news items should be sent to the Secretary of the Society, Roger H. Stuewer, at his new address (see below). The deadline for receipt of news items for the August issue is July 20, and this will be the only call for news items that will be issued.

The editorial board of the Newsletter has now been completed with the appointment of Mary Novitsky, a graduate student in the Department of History, University of California, Berkeley, Calif. 94720.

CENTER FOR HISTORY AND PHILOSOPHY OF PHYSICS

For a number of years, the Center for History and Philosophy of Physics, American Institute of Physics, 335 East 45th Street, New York, N. Y. 10017, under the directorship of Charles Weiner, has sponsored many activities (historical research; oral history projects; collection of primary and secondary source materials; publication of papers, books, and reference materials; conferences; exhibits; participation in scientific meetings; etc.) of direct relevance both to the physics community and to historians, philosophers, and sociologists of physics. These activities are described in detail in a regularly published Newsletter which is available on request from Dr. Weiner.

KOYRE MEDAL

An Alexandre Koyre Medal has been struck for the Académie Internationale d'Histoire des Sciences, to be awarded every three years. Fifty copies in bronze have also been produced, and these are being made available to members of the Académie at a cost of 150 francs or $50. The income will help to defray the cost of production of the medal. Interested persons should write the Secretary of the Académie, 12 rue Colbert, 75-Paris 2e.

NEH MATCHING GRANT TO NEW YORK PUBLIC LIBRARY

Dr. Ronald S. Berman, Chairman of the National Endowment for the Humanities, Washington, D. C. 20566, on March 29 announced the awarding of a $1 million matching grant to the Research Libraries of the New York Public Library. Under the terms of this grant the National Endowment will match dollar for dollar up to $500,000 sums that the Library can raise from other sources in the current fiscal year, which ends June 30. If fully met, the grant will bring to the Research Libraries $1 million for its operational costs in the humanities; and Dr. Berman stated that "if this program is successful, the Endowment will consider making another such matching grant next year." In accepting the grant, Mr. Richard Couper, President and Chief Executive Officer of the New York Public Library, described it as "a giant step in recognition of our Library for what it is -- a truly national resource." For further information contact either Darrel deChaby at NEH (phone 202-382-5721) or Edward White at the Library (phone 212-790-6556).

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

The third meeting of the West Coast Lazzaroni was held at the University of San Francisco on March 25, 1972, and was attended by historians of science and students from Irvine, California, in the south to Seattle, Washington, in the north. A program of six papers included talks by Henry Leicester, John Heilbron, Margaret Osler, Roger Hahn, Thomas Hankins, and Karl Hufbauer. The day was completed by a tour of the Stanford Linear Accelerator and a gourmet dinner at one of Chinatown's exotic restaurants. Arrangements for the meeting were made by Carolyn Iltis, Lawrence Badash, and Carroll Pursell, the current committee in charge of the society. Inquiries and mailing list requests should be addressed to Professor Lawrence Badash, Department of History, University of California, Santa Barbara, California 93106.

NEW ORGANIZATION

Loyd S. Swenson, Jr., Department of History, University of Houston, Houston, Texas 77004, and Albert Van Helden, Department of History, Rice University, Houston, Texas 77001, announce the formation of a new group for the encouragement of the history and philosophy of science, medicine and technology in the Texas Gulf Coast area. Loosely knit and apparently similar to the "West Coast Lazzaroni," the Houston area group adopted the name "The Archimedeans" at its second meeting in February. Approximately 50 people from Houston, Rice and the Texas Medical Center are charter members. Evening meetings are planned every eighth Friday during the academic year. The next gathering was scheduled for April 7 when John Oro, biophysicist from the University of Houston, was to talk on the prospects for developing synthetic life. For further information contact either Professor Swenson or Professor Van Helden.

NEW PUBLICATIONS

Synthesis: The Undergraduate Journal in the History and Philosophy of Science, a new journal staffed by and designed primarily to serve undergraduate and beginning graduate students, is intended both to inform students of the work presently being done in the history and philosophy of science and to provide a forum where students can express the results of their own work. Research papers by undergraduate and graduate students, concise descriptions of the latest news (lectures, seminars, etc.), and related materials will be published. An essay contest, with cash prizes, will be conducted. Staff members and subscriptions are solicited from students in all colleges and universities. For further information write or call the editor, J. J. Handlin, 838 Holyoke Center, Cambridge, Mass. 02138, phone (617) 498-4304.

The MIT Press has announced publication of a new East Asian Science Series under the general editorship of Nathan Sivin of the MIT Department of Humanities. The aim of this series is to identify and make available monographs and syntheses which are based on original research in the Oriental sources, and which combine the high methodological standards of Asian studies with those of technical history. Most books in the series will deal with science and technology before modern times in China and related Far Eastern societies, but manuscripts concerned with contemporary scientific developments or with the survival and adaptation of traditional techniques in China, Japan, and their neighbors today will also be welcomed. Four volumes are announced for later 1972: (1) Ulrich Libbrecht, Chinese Mathematics in the Thirteenth Century: The Shu-shu chiu-chang of Ch’in Chiu-shao; (2) Shigeru Nakayama and Nathan Sivin, eds., Chinese Science. Explorations of an Ancient Scientific Tradition in Honor of the Seventieth Birthday of Joseph Needham, F.R.S., F.B.A.; (3) Manfred Porkert, The Theoretical Foundations of Chinese Medicine: Systems of Correspondence; and (4) Jeon Sang-woon, Science and Technology in Korea: Traditional Instruments and Techniques.

Paul H. Barrett, Department of Natural Science, Michigan State University, East Lansing, Michigan 48823, has prepared a computerized Concordance and Index for Darwin’s Transmutation and Metaphysics Notebooks, his earliest notebooks on evolution, man, morals, and expression. These notebooks can now be easily analyzed for his various trains of thought, since the indices list alphabetically, with line contexts and page numbers,
the words in the notebooks. Xerox copies of the Concordance and Index are deposited in Cambridge University Library and Department of Natural Science, Michigan State University, and can be obtained at cost from Prof. Barrett. A printed transcription of the Metaphysics Notebooks (Darwin's M and N Notebooks), together with Darwin's Early and Unpublished Notebooks, transcribed and edited by Prof. Barrett, will appear in the forthcoming book, *Darwin on Man: A Psychological Study of Scientific Creativity* (Dutton and Co., Inc.) by Howard E. Gruber. Prof. Barrett is also editing *Darwin's Collected Papers* and developing a computerized index to all Darwin's manuscripts. For further information contact Prof. Barrett.

**A Biographical Dictionary of American Civil Engineers**, a companion volume to *The Civil Engineer -- His Origins*, has recently been compiled by the American Society of Civil Engineers with the cooperation of the Smithsonian Institution's Division of Mechanical and Civil Engineering. The first section of the *Dictionary* contains many hitherto unpublished photos and illustrations of some of the outstanding civil engineers and their works of the 18th, 19th and early 20th century, along with their biographies, while the second section contains an alphabetized list of the names and times of several hundred additional engineers whose works during the early days of American civil engineering brought them honor and prominence. Priced at $5.00 with the customary 50 per cent discount to ASCE members, the soft-covered, 176-page book is available from the American Society of Civil Engineers, 345 East 47th St., New York, N.Y. 10017.

**AUDIO-VISUAL MATERIALS**

Bruce Eastwood, Department of History, Kansas State University, Manhattan, Kansas 66502, is compiling a list of audio-visual materials for use in teaching the history of science. He is especially interested in creative films useful for conveying concepts, and he would appreciate the assistance of anyone similarly interested. If you have seen or used a film, filmstrip, slide or transparency set, recording, etc., please send part or all of the following information (whatever is applicable) to him: (1) title, (2) 8mm, 16mm, or 35mm; (3) color or black and white; (4) sound or silent; (5) showing time; (6) appropriate audience, i.e., age or class; (7) purchase price; (8) rental price; (9) lead time required to assure rental date; (10) author from whom obtainable; (11) author or producer; (12) date film produced; (13) brief description of contents and orientation; (14) brief assessment of quality. After accumulating a useful list, he will publish the information for general use, presumably in about two years. One type of material now available is the series "Science Jackdaws," which cost $3.95 each and are described in a catalog available from Grossman Publishers, 44 West 56th St., New York, N.Y. 10019.

**INNOVATIVE COURSES INVOLVING THE HISTORY OF SCIENCE**

John Beer reports that the recent liberalization of the distribution requirements for the B.A. degree at the University of Delaware and a simultaneous rise of interest in interdisciplinary studies have provided the historians and philosophers of science and technology with much room for innovative instruction. Professors Edward Lurie (history of medicine), Paul Dorbin (philosophy of science), James Mulholland (history of technology), Robert Rothman (sociologist of the professions), and John Beer (historian of science) will join as a team in the spring semester to teach a course specifically directed at students in the health sciences entitled "Society, Ideas, and the Biomedical Sciences." Enrollment had to be closed at 75. Over 200 students have signed up for Professor George Basalla's course, "Science and Utopias." Professor Basalla is also involved in another experimental interdisciplinary course, "Scenarios of the Future," which will feature a number of guest speakers to supplement his own lectures.

R. F. Trimble, Department of Chemistry and Biochemistry, Southern Illinois University, Carbondale, Illinois 62901, reports that Professor John H. Wotiz offered a summer travel-study session in Europe called "The Evolution of Modern Chemistry." It carried nine quarter-hours of undergraduate or graduate credit, was designed to be of interest and value to
both college students and high school teachers, and met with an overwhelm­ingly favorable response from both the participants and the guest lecturers who met with the group abroad. This program will again be offered this summer (1972) under the direction of Professor Trimble. He cannot at the moment specify an exact itinerary, but he will certainly visit major points of historical scientific interest in Great Britain, France, Belgium, Holland, Germany, and Sweden or Italy. The last two weeks will be free for individual travel. The cost will probably be around $1,300. Anyone interested in the program should write to Professor Trimble at the above address.

Dr. Preston R. Clement, provost and dean of the faculty of the science and engineering college of Stevens Institute of Technology, Hoboken, New Jersey, has announced that a new curriculum in "Technology and Society" will be offered for the first time next fall. It will be implemented by a faculty committee headed by Professor Roger Pinkham, head of Stevens’ mathematics department.

REVISED EDITION OF ISIS DIRECTORY

A new edition of the Directory of Members of the History of Science Society is to be published in the Fall of 1972. New members will receive a questionnaire form for this purpose. Members who were listed in the earlier editions are requested to notify the Isis Editorial Office of any changes or updated material -- concerning address, phone number, affiliation, degree, field of research, etc. -- which they wish to add to their entries. Write to: Isis Editorial Office, Smithsonian Institution, Washington, D. C. 20560.

REQUEST FOR INFORMATION ON LISTER ACCOUNT BOOKS

G. L'E. Turner, Museum of the History of Science, Broad Street, Oxford, England, wishes to trace the location of two household account books of Joseph Jackson Lister (1786-1869), the microscopist, father of Joseph, later Lord Lister. The books once belonged to Thomas Court (1868-1951), and were sold at Sotheby's on 4-5 February 1952. The lot, number 54, was bought by W. A. Myers Ltd., 80 New Bond Street, London, and the books were sold to an unknown buyer in about 1953. Both account books are 8vo and are bound in calf. Would anyone who can help please write to Mr. Turner.

FELLOWSHIPS AND HONORS

The Josiah Macy, Jr., Foundation announced on April 21 the award of six new and seven renewal fellowships in the History of Medicine and the Biological Sciences. They went to William F. Bynum, M.D. (Cambridge University); William L. Visser (Columbia University); Robert C. Powell (Duke University); James J. Bono and Ramunas Kondratas (Harvard University); William R. Albury (Johns Hopkins University); Michael S. Zlonis (University of Minnesota); Thomas F. Ziobrowski (University of Pennsylvania); Kenneth Levin, M.D. (Princeton University) and Christine R. Whittaker (Yale University).

The long-range aims of the program, now in its seventh year, are to make students in medicine and biology aware of the significant historical events in the development of modern biology and medicine, the interactions between medicine and social, economic and cultural advances, and the relationship of medicine and the physician to the social order and factors influencing modern medicine. The importance of the history and philosophy of science and their relation to current political and social development is also emphasized. A new development is the growing interest of students at the college level in medical history, as evidenced by the introduction of new courses and increased enrollments in established courses in liberal arts colleges.

George B. Kauffman, Department of Chemistry, California State University at Fresno, Fresno, California 93710, has been awarded a Guggenheim Fellowship for 1972-73 for "A Chemical-Historical Study of Alfred Werner."

Edward Grant, Indiana University, has been elected a membre electif of the International Academy of the History of Science, while John C. Greene, University of Connecticut, and Armin Hermann, Universität Stuttgart, have been elected Corresponding Members.
APPOINTMENTS

Frederic L. Holmes has been appointed Professor and Chairman of the Department of the History of Medicine and Science, University of Western Ontario, London, Ontario, effective July 1, 1972.

Roger H. Stuewer has been appointed Associate Professor in the School of Physics and Astronomy and the Center for Philosophy of Science, University of Minnesota, where he will be coordinating the development of a new program in the history of science and technology.

Alan E. Shapiro has been appointed Assistant Professor of the History of Science at the University of Minnesota.

VISITORS

I. Grattan-Guinness of Enfield College of Technology, Middlesex, England, will be at the Bertrand Russell Archives, Mills Memorial Library, McMaster University, Hamilton, Ontario, from September through December.

Bernard Finn of the Smithsonian Institution will be in London at the Science Museum or Science Museum Library for a year, starting in August.

DISSERTATIONS RECENTLY COMPLETED OR IN PROGRESS

Boston University


University of California, Santa Barbara


University of Chicago


University of Florida

Winifred L. Wisan, "Galileo's De motu locali" (completed).

University of Pennsylvania

Mrs. Tonja Koeppel, "Benzene Structure Controversies, 1865-1910" (in progress; correction of earlier listing).

University of Toronto


Yale University


Sharon Gibbs, "Greek and Roman Sundials: A Critical Corpus" (in progress).


REQUEST FOR JOB INFORMATION

Individuals in colleges, universities, and other institutions having knowledge of possible or definite job openings for 1973-74 are urged to relay such information to Roger H. Stuewer as soon as possible for publication in the Newsletter. If 1973-74 openings can be publicized in the August and November issues, appointments between prospective employers and employees can be arranged in advance for the December meeting of the Society, to the benefit of all concerned.
JOB OPENINGS

The positions listed below have not yet been removed from the job register maintained by the Secretary of the Society. New openings should be brought to the attention of the Secretary as soon as possible. Every school or institution listing a position has been requested to inform the Secretary when and by whom the position has been filled, or if the position becomes unavailable for some other reason. All inquiries should be addressed to the school or institution having the opening, and only serious and qualified persons should apply. The Society, of course, can assume no responsibility for the accuracy or currency of the listing.

1. California State College, Fullerton, Calif. 92631
   Position: Assistant professor; salary $9,324-$10,284; teaching load 9-12 hours per week; Ph.D. "in hand" preferred. Department of History currently employs 31 full-time faculty.
   Status: Definite.
   Specialties: Historian of the physical or biological sciences; no chronological period preference.
   Contact: Professor B. Carmon Hardy, Chairman, Department of History.

   Position: A young person is needed to collaborate in the development of an elementary and high school curriculum of science education. (See details in Supplement 1.)
   Status: Possible.
   Contact: Dr. John F. Bennett.

3. Peter Gibbs, Professor and Chairman, Department of Physics, University of Utah, Salt Lake City 84112, encourages historians of science holding the Ph.D. to apply for his Research Associate/Associate Instructor Program. Appointments are for twelve months (one month vacation), carry stipends of either $10,000 or $11,000, normally include one-half teaching and one-half research responsibility, are made each fiscal year (1 July to 30 June) or a fraction thereof, and are renewable but normally limited to a total of two years. Applications should include a curriculum vitae and three letters of recommendation, mailed directly to Professor Gibbs, and should be in by February 1 if possible. A Brochure is available on request.

4. George D. Wolf, Head, Division of Humanities, Social Sciences and Education, Pennsylvania State University, Capitol Campus, Middletown, Pa. 17057, invites applications from "a European intellectual historian who can add the dimension of 'ideas' to the study of literature, social forces and general intellectual evolution of European and American history."

5. Keuka College is looking for an instructor to teach history of East Asia and participate in the development of a course in world history. They have indicated some interest in an historian of science. Contact: Philip Africa, Chairman, Department of History, Keuka College, Keuka Park, New York 14478.

6. Kirkland College has a one-year vacancy for an historian of science, especially in biology and the 17th century. Kirkland is a small women's college coordinated with Hamilton College. Contact: Elizabeth F. Gilbert, Chairman, Division of the Sciences, Kirkland College, Clinton, New York 13323.

   Position: Assistant professor to offer five lectures per week (90 minutes per lecture) during second summer session (July 31-September 1, 1972); salary $900 or possibly somewhat more for the session. A person qualified for a higher rank and higher salary will also be considered.
   Specialties: Historian of biology.
   Contact: Professor Robert K. Chipman, Chairman, Department of Zoology.

8. Professor Warren S. Wooster, Scripps Institution of Oceanography, University of California at San Diego, P.O. Box 109, La Jolla, California 92037, has indicated his willingness to consider a historian of science for a visiting appointment at the Center for Marine Affairs, which is concerned with studies in public affairs related to the ocean and which will function through seminars and workshops rather than through formal curricula and instruction. Visitors will be appointed for periods of a few months to a year or more and will be selected from fields such as anthropology, archaeology, economics, political science, law, history, journalism and
the arts, and may come from government, industry, universities, communication media, etc. Visitors will engage in studies usually culminating in a publishable paper or book. For further information write Professor Wooster.

9. Rutgers University, New Brunswick, New Jersey 08903.
   Position: Assistant professor (Ph.D. expected).
   Specialties: They are seeking "a historian of science, specializing in the Early Modern European Era whose interests and research indicate a strong emphasis on the relationship between science and society. The appointment will be made at a newly created, four-year, multi-purpose liberal arts college within Rutgers University, Cook College, which will place stress on environmental and scientific studies."
   Contact: Prof. Daniel Horn, Department of History, Douglass College, Rutgers University.

10. School: Chico State College, Chico, California 95926.
    Position: Assistant Professor.
    Status: 1972-73 and perhaps longer.
    Specialties: History of science, scientific revolution to present.
    Contact: Professor Carl E. Hein, Chairman, Department of History.

It is worth noting that outside the academic world there are many good opportunities for a person with training in the history of science. There is a problem, however, in locating them. Some general suggestions were made recently at the meeting of the Organization of American Historians in Washington. There are summarized here, together with some other comments:

(1) Publishing, university and commercial presses; editing, sales, etc., where often considerable historical knowledge is needed. Contact individual publishers.
(2) State and local historical societies; publishing, exhibits. Contact American Association for State and Local History, Nashville, Tenn., which maintains a job placement service for members.
(3) Archival work. Contact Robert Warner, Secretary, Society for American Archivists, Rackham Building, University of Michigan, Ann Arbor, Mich. 48104.
(4) National Parks Service; historical research connected with sites, selection of engineering structures that should be preserved. Contact Director of Office of Archaeology and Historic Preservation, National Park Service, Dept. of Interior, Washington, D. C. 20240.
(5) There are other opportunities in the federal service: the Smithsonian and the Library of Congress come immediately to mind. As we become aware of positions in these areas we will, of course, list them in the Newsletter. But sometimes we won't know, and it's not unusual in any case for a position to be broken loose simply because a good person seems to be available to fill it. Therefore, if you have specific interests and talents that you think would be appealing, you ought to write to an appropriate person in the agency, and describe yourself and ask for help. At the Smithsonian the person to write to is Bernard S. Finn, Chairman, Department of Science and Technology, Smithsonian Institution, Washington, D. C. 20560. At the Library of Congress contact Marvin McFarland, Chief, Science and Technology Division, Library of Congress, Washington, D. C. 20540.

CONFERENCES AND MEETINGS

A two-week course entitled "Topics in the History of 20th-Century Physics," which was organized by Charles Weiner, Director, Center for History and Philosophy of Physics, American Institute of Physics (see above), will be included for the first time in the 1972 International School of Physics "Enrico Fermi" at Varenna (Lake Como), Italy, July 31-August 12. Lectures and seminars will be held on the historical roots of modern physics; on the development of relativity and quantum theory; on the history of solid state, nuclear and particle physics since the 1930's; on the rise of big science in the past 25 years; and on the historical perspectives on the relations between physics, technology and society. Lecturers will include H. B. G. Casimir, Robert S. Cohen, P. A. M. Dirac, Yehuda Elkana, John Heilbron, Gerald Holton, Martin J. Klein, Lew Kowarski, Paolo Rossi, Leon Rosenfeld, and Victor F. Weisskopf.

Requests for further information and applications to participate should be sent to the Secretary of the course, Professor G. Jona-Lasinio, Istituto di Fisica, Universita di Padova, Via Marzolo 9, 35100 Padova, Italy, by May 6.

QUESTIONNAIRE ON ANNUAL MEETING

In recent years the Society has held its annual meetings in December in conjunction with either the American Historical Association (AHA) or the American Association for the Advancement of Science (AAAS). After 1972 the AAAS will hold its meeting in February; hence some change in our arrangements is necessary. We may:
(1) meet annually in December with the AHA;
(2) meet annually in February with the AAAS;
(3) meet alternately with the AHA in December and with the AAAS in February;
(4) meet annually in December, one year with the AHA, the next by ourselves;
(5) meet annually in February, one year with the AAAS, the next by ourselves;
(6) meet annually in December, but never or infrequently with the AHA;
(7) meet annually by ourselves at some time of the year (specify the month) other than December;
(8) other.

Some of the reasons given in the past for meeting annually with the AHA (necessarily in December) are that this is the best time of the year for academics; that history departments provide our major job market; that we are basically historians; and that some of our members who are also members of the AHA are spared the burden of going to two separate meetings. Some counter-arguments are that December is a bad time of the year to meet; that very few jobs actually result from the meetings with the AHA (the AHA itself is in fact now trying to discourage recruiting at their annual meeting); that while we are historians, we also feel a close intellectual and personal affinity to scientists; and that more desirable and less expensive accommodations could be found if we were not tied to a large organization.

At the December 1971 meeting, the Executive Committee of the Council was instructed to determine membership sentiment regarding these questions. Please record yours on the following questionnaire and return it to the Isis Editorial Office, Smithsonian Institution, Washington, D.C. 20560.

1. Do you consider yourself a full-time professional historian of science? ______ Half time? ______ Less than half-time? ______

2. How many annual meetings of the Society have you attended in the past five years? ______

3. As long as we meet in December with the AHA, SHOT will probably meet with us. Should their willingness (or refusal) to meet with us as another time be a determining factor in our considerations? ______

4. Did you get a job as a result of an AHA meeting? ______ If so, when? ______

5. Should we try to meet occasionally with groups other than the AHA or AAAS? ______

6. From the alternatives (1) to (8) cited above, please specify your first three preferences in order of priority: 1. ______ 2. ______ 3. ______

If you cite number (7), make certain that you also specify a month for the meeting; if you cite number (8), be specific.

7. Is there a time during the academic year when it is very difficult or impossible for you to attend a meeting? When? ______

8. Remarks: ______