Please send all news items to the Secretary of the Society, Roger H. Stuewer, School of Physics and Astronomy, University of Minnesota, Minneapolis 55455. The deadline for receipt of news items for the November issue is October 20, and THIS WILL BE THE ONLY CALL FOR NEWS ITEMS THAT WILL BE ISSUED.

ISIS CUMULATIVE BIBLIOGRAPHY

The publication some months ago of Volumes I and II of the Isis Cumulative Bibliography represents the completion of the first stage of one of the most significant and valuable reference works ever compiled for use by historians, philosophers, and sociologists of science and technology, as well as for interested general historians, scientists, and technologists. The project is being carried out by the History of Science Society under the direction of a distinguished editorial committee chaired by I. Bernard Cohen, and under the editorship of Magda Whitrow. It was initially supported by a grant from the United States Steel Foundation and later by grants from the National Science Foundation, as well as by funds provided by the History of Science Society and the publisher, Mansell (3 Bloomsbury Place, London WC1A 2QA, England). Many individual scholars and institutions have generously contributed help and facilities. The first two volumes, each over 700 pages in length, comprise Parts I and II of the Bibliography and alphabetically set out the entries included in the Isis Critical Bibliographies during 1913-65 (Numbers 1-90), which deal with Personalities and Institutions (Volume I contains Personalities A-J, Volume II Personalities K-Z and Institutions). The Personalities part alone contains nearly 40,000 entries relating to 10,000 individuals. The classification scheme is modeled on that used in recent Critical Bibliographies; and every editorial effort has been expended in attempting to cull out the errors that have inevitably crept into the individual Bibliographies over the years. Two further volumes dealing with periods and civilizations subdivided by subject, and with the various subjects themselves, are currently in preparation. Enthusiastic reviews of the first two volumes have already appeared in Nature, the Journal of the History of Astronomy, and the Times Literary Supplement. They may be purchased as a set from Mansell or through booksellers for £28 ($67.20), which includes postage to addresses in the United Kingdom only.

DICTIONARY OF SCIENTIFIC BIOGRAPHY

It is a great pleasure to also announce that Volume V (E. H. Fischer to Gottlieb Haberlandt) of the widely-acclaimed Dictionary of Scientific Biography, which is under the general editorship of Charles C. Gillispie, and which is being compiled under the auspices of the American Council of Learned Societies, has been recently published by Charles Scribner's Sons, 597 Fifth Avenue, New York, N. Y. 10017.

UNIVERSITY OF CHICAGO PRESS SERIES IN THE HISTORY OF SCIENCE AND MEDICINE

The University of Chicago Press has announced a new series of books in the history of science and medicine under the editorship of Allen G. Debus. The first title in the series to be published is William B. Provine's The Origins of Theoretical Population Genetics. Additional titles will be forthcoming.

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.
NEW HISTORY OF TECHNOLOGY SERIES

The Johns Hopkins Press announces a project for the publication of books on the history of technology. The Press is especially interested in historical manuscripts relating economic, political and social factors to the evolution of machines, processes, and structures. Biographies of outstanding engineers that emphasize their professional development, and histories of major engineering projects that stress non-technological as well as technical factors are also sought. The Press will commit substantial resources to production if the manuscripts demand complex illustrations to fully exploit the subject matter. Correspondence should be addressed to the General Editor, Thomas Parke Hughes, Institute of Technology, Southern Methodist University, Dallas, Texas 75222. Advisory Editors are: Bern Dibner, Burndy Library; Melvin Kranzberg, Georgia Institute of Technology; and Lynn White, Jr., University of California, Los Angeles.

WORLD DIRECTORY OF HISTORIANS OF MATHEMATICS

The World Directory of Historians of Mathematics, containing about 700 names and addresses indexed by countries (40) and research specialties (about 300), is now available from Historia Mathematica, Department of Mathematics, University of Toronto, Toronto 181, Canada. Price: $4.00 ($3.00 when payment accompanies order) in U.S. or Canadian funds.

HISTORICAL ARCHIVES OF S. PEARSON & SON AT THE SCIENCE MUSEUM LIBRARY, LONDON

Lord Cowdray, through the Business Archives Council, has recently placed on deposit at the Library of the Science Museum many of the archives of the firm S. Pearson & Son covering the period from 1880 to the late 1920s and later on some subjects. The firm was founded by Samuel Pearson as builders and contractors at Bradford, Yorkshire, in 1856, and established its reputation in the 1880s with a succession of major works: Sheffield Main Sewer, the docks at Halifax, Nova Scotia, and the Empress Dock at Southampton. During the 1890s the firm became the largest contractor in the world, being responsible for such undertakings as the building of the Mexican canal for the drainage of Mexico City, the construction of the Blackwall Tunnel and of Dover Harbour, the reconstruction of the Tehuantepec railway in Mexico, and the building of the Sennar Dam on the Blue Nile. The Pearson archives include contracts, specifications and plans, together with costings, accounts, deeds and other legal documents, and photographs. Of particular interest are the first Lord Cowdray's working papers. The archives are available for study Monday - Friday, 10:00 a.m. - 5:30 p.m.

MENDEL CELEBRATION REPORT

John R. Berg, Indiana University, reports that as part of the annual "Biological Days," sponsored jointly by the Czechoslovak Biological Society and J. E. Purkyné University of Brno, a special celebration was held on May 18, 1972, in Brno to commemorate the 150th anniversary of the birth of J. G. Mendel. The celebration featured the following lectures: (1) "The Tradition of Biological Research in Brno," by Dr. Josef Sajner of Brno, given in Czech; (2) "Mendel as the Creator of the Methodology of Modern Genetics," by Dr. Ivo Cetl of Brno, given in Czech; (3) "Evolution and Genetics in the Era of the Promulgation of Mendel's Experiments," by Dr. Georg Uschmann of Jena, given in German.

BOLTZMANN CELEBRATION

A "100 Years Boltzmann-Equation" symposium will be held in Vienna from September 4-8, 1972. The organizing committee consists of E. G. D. Cohen (New York), W. Thirring (Vienna), and H. Wergeland (Trondheim). The conference secretary is F. Wagner (Vienna). Further information may be obtained from Dr. James D. Foch, Department of Aerospace Engineering, University of Colorado, Boulder, Colorado 80302.

THIRD WORLD SEMINAR

A three-day seminar on the problems and challenges of the Third World will be held at Arden House, Harriman, N. Y., October 27-29, 1972. Registration fee is $100; accommodations, including three meals per day, are $26 per day (double occupancy) or $30 per day (single occupancy). One-day follow-up seminars are provisionally set for the third Saturday of each month, starting in November. The registration fee for these meetings is tentatively set at $10. All meetings will feature internationally known speakers. For further information, contact Dr. Gary MacEoin, Third World Seminar, Fordham University Forum at Lincoln Center, New York, N. Y. 10023.
NEBENZAHNL LECTURES IN THE HISTORY OF CARTOGRAPHY

The Newberry Library, 60 West Walton Street, Chicago, Illinois 60610, announces a symposium of six papers on the theme "Five Centuries of Map Printing," comprising the third series of the Kenneth Nebenzahl, Jr., Lectures in the History of Cartography. All are invited to attend. The program is as follows:

Thursday, 2 November 1972
8:00 p.m. "Map Making and Map Printing: The Evolution of a Working Relationship," by Dr. Arthur H. Robinson, Professor of Cartography, University of Wisconsin, Madison.

Friday, 3 November 1972
Chairman: Dr. George Kish, Professor of Geography, University of Michigan
10:30 a.m. "Copper Engraving," by Dr. Coolie Verner, Professor of Adult Education, University of British Columbia.
2:30 p.m. "Lithography and Maps, 1796-1850," by Dr. Walter v. Ristow, Chief, Geography and Map Division, The Library of Congress.
3:30 p.m. "Miscellaneous 19th-Century Map Printing Processes," by Dr. Elizabeth M. Harris, Assistant Curator, Division of Graphic Arts, Smithsonian Institution.

Saturday, 4 November 1972
9:30 a.m. "The Application of Photography to Map Printing and the Transition to Offset Lithography," by Prof. Dr. Ir. Cornelis Koeman, Professor of Cartography, Geografisch Instituut der Rijksuniversiteit, Utrecht.

To accompany the symposium, there will be on view during the month of November a special exhibition of maps and tools illustrating the history of map printing. Please address further inquiries to David Woodward, Head, Hermon Dunlap Smith Center for the History of Cartography, at the Newberry Library.

COPERNICAN COMMEMORATIVE SYMPOSIUM

A Copernican Commemorative Symposium to celebrate the 500th anniversary of the birth of Copernicus will be held on December 27-28, 1972, in Washington, D. C. The Chairman of the National Advisory Committee is Dr. Ka. Strand, United States Naval Observatory, Washington, D. C. 20390. Partial support has been obtained from a National Science Foundation grant to National Graduate University. On December 27 there will be sessions for 40 invited scholars, and at 8:00 p.m. there will be a lecture at the National Museum of History and Technology of the Smithsonian Institution, which will be open to anyone interested. On December 28 the invitees will meet jointly with the American Association for the Advancement of Science. For further information contact Dr. Strand or Dr. Jean K. Boek, Chairman of the Local Arrangements Committee, National Graduate University, 1630 Kalmia Road, N.W., Washington, D. C. 20012.

COMMISSION ON THE EDUCATION OF HISTORIANS OF SCIENCE

The Commission on the Education of Historians of Science, whose Chairman is Professor John Abrams, Institute for the History and Philosophy of Science and Technology, University of Toronto, was established last year at the XIIIIth International Congress for the History of Science in Moscow as an agency of the International Union of History and Philosophy of Science, for the purpose of surveying the development and status of instruction in the history of science in universities throughout the world. The Commission will gather information about graduate programs, lecture courses, and teaching facilities concerned with the training of historians of science, and will also investigate the use of history of science in undergraduate courses. Vice-Chairman of the Commission is Professor Stephen G. Brush, Department of History and the Institute for Fluid Dynamics and Applied Mathematics, and Chairman of the Committee on History of Science and Technology, University of Maryland, College Park Campus. Professor Brush also recently served as Chairman of the Editorial Committee for another international project, a Seminar on the Role of History of Physics in Physics Education, and supervised the preparation of two books resulting from that seminar, Resources for the History of Physics and History in the Teaching of Physics, both published in 1972 by the University Press of New England.
COMMITTEE ON INSTITUTIONAL COOPERATION

To enable graduate students to make more effective use of specialists in the history of science and medicine in the major mid-western universities, a special brochure on opportunities in these fields has been prepared by the Committee on Institutional Cooperation, 1818 Sheridan Road, Evanston, Illinois 60201. Students at participating institutions (Indiana University, Northwestern University, Ohio State University, University of Chicago, University of Illinois, University of Notre Dame, and University of Wisconsin, Madison) are now able to enroll at any other of these institutions for one semester at no additional expense to themselves other than their normal tuition at their home institution. Additional information on the CIC program, with short résumés of programs in the history of science and medicine offered by the participating institutions, may be obtained from the CIC office, from the Morris Fishbein Center at the University of Chicago, from the Center for the Interdisciplinary Study of Science and Technology at Northwestern University, or from representatives of any of the other programs involved.

THE MORRIS FISHBEIN CENTER FOR THE STUDY OF THE HISTORY OF SCIENCE AND MEDICINE

Allen G. Debus has been appointed Director of the Morris Fishbein Center for the Study of the History of Science and Medicine at the University of Chicago. The graduate program in the history of science and medicine leads to a Ph.D. in history, and the teaching staff includes the following: Allen G. Debus, Professor of the History of Science and Director of the Fishbein Center; David E. Pingree, Professor of the History of Science (on leave); Keith M. Baker, Associate Professor of European History; George W. Stocking, Jr., Associate Professor of Anthropology; Jerome J. Bylebyl, Assistant Professor of the History of Medicine and Field Chairman of the History of Science and Medicine in the Department of History; Noel M. Swerdlov, Assistant Professor of Medieval History; Lester S. King, M.D., Professorial Lecturer in the History of Medicine. Currently there are ten other members of the Fishbein Center whose appointments are in the Divisions of the Physical and Biological Sciences. The Fishbein Lecture series, sponsored by the Center, is open to all interested persons; the lecturers last year included Cyril Stanley Smith; Morris Fishbein, M.D.; and David E. Pingree. A brochure describing the program and financial assistance (including the Fishbein Fellowship program) is available from the Office of the Director, The Fishbein Center, Social Sciences 209, University of Chicago, 1126 East 59th Street, Chicago, Illinois 60637.

SCIENCE AND SOCIETY MEETING, COURSES, AND NEWSLETTER

At the call of Professor Dave Hafemeister, Department of Physics, California State Polytechnic College, San Luis Obispo 93401, approximately 40 persons gathered at Cambria, California, over the Memorial Day weekend to discuss the problems (philosophical and pedagogical) of teaching courses in Science and Society. Professional historians of science were represented by Professors Larry Badash and Carroll Pursell of the University of California, Santa Barbara. The majority of the participants were physical or life scientists who taught such courses in response to student demand or out of their own ethical compulsion. Courses already underway cover a wide range of subjects reflecting the professional competence and social interests of the instructors: case studies of the arms race and environmental pollution, the response of German scientists to the rise of Nazism, the science policymaking process, etc. The history of science was often touched upon, but in no case served as an organizing framework or major source of data. Indeed, Pursell notes that the possibility of introducing more history of science into such courses is an exciting challenge to the profession and would be a distinct help to teachers of these sometimes amorphous courses. The group plans to meet again next spring; meanwhile, Hafemeister, assisted by Pursell and Professor George Johnston, Department of Physics, California State College, Sonoma, will issue a "Science and Society Curriculum Newsletter" as a medium of exchange for ideas of practical aid to instructors. Requests for information should be sent to Professor Hafemeister.
SOCIETY OF MEDICAL HISTORY OF CHICAGO

Those interested in the history of the bio-medical sciences who live in the Chicago area are invited to join the Society of Medical History of Chicago, an organization that has been active since 1910. In addition to three regular lecture meetings at which members of the Society present the results of their research, there are two dinner meetings with guest lecturers. During 1971-72 papers were given by the following at the regular sessions: November 10: E. Lee Strohl, M.D., Willis G. Diffenbaugh, M.D., and Albert M. Potts, M.D.; January 26: Joseph H. Kiefer, M.D., and Edward S. Petersen, M.D.; February 16: Rev. Theodore J. Tracy, S.J., and Professor Edwin B. Levine. Professor Dora Weiner and Leo Zimmerman, M.D., were the guest lecturers at the dinner meetings. Membership forms may be obtained from Allen G. Debus, The Fishbein Center for the Study of the History of Science and Medicine, University of Chicago, 1126 East 59th Street, Chicago, Illinois 60637.

CHICAGO AREA HISTORIANS OF SCIENCE AND MEDICINE

During the course of the past two years an attempt has been made to bring together those teaching the history of science and medicine in the Chicago area through a series of informal gatherings. The most recent of these meetings was held at the John Crerar Library on May 20 where various members of the Library staff related the extent of their holdings in early science and medicine and of their accessibility to scholars. The evening closed with a dinner at a local restaurant. Those wishing to be placed on the mailing list for these meetings and other lectures in the area should contact Allen G. Debus (address above). A new Directory of members is currently being compiled.

HISTORY OF BIOLOGY COURSE WITH LABORATORY

Ruth Schwartz Cowan, Department of History, State University of New York at Stony Brook 11790, reports that last fall she taught a course in the history of biology with a laboratory section in which students were required to choose an experiment of historical importance (before 1930), obtain a copy of the original experiment in full, reproduce the original equipment as closely as possible, perform the experiment, and write a paper which would (1) analyze the historical significance of the experiment, and (2) explain why it had not (if it had not) succeeded. Students performed, for example, Loewi's experiment on the stimulation of the vagus nerve, Sumner's crystallization of urease, Morgan's original red-eye/white-eye experiment, Lavoisier and Laplace's work with ice calorimeters, Roux's destruction of a half-blastomere, etc. Professor Cowan feels that the laboratory section was pedagogically quite successful, although few of the experiments succeeded according to plan. Since she is planning to teach this course again soon, she would like to communicate with other scholars who have taught a similar one in order to share ideas.

REQUEST FOR EDUCATION MATERIALS

Mr. Song Sang-yong, 315-64 Ssangmun-dong, Songbuk-ku, Seoul, Korea, hopes to establish an independent department of the history, philosophy, and sociology of science at Seoul National University, and requests members of the Society to send him lecture schedules, reading lists, syllabi, curricula, staff lists, and any other materials that would help him in his endeavor.

GUNNISON TUNNEL NATIONAL HISTORIC LANDMARK

Oscar S. Bray, President of the American Society of Civil Engineers, recently announced that the Gunnison Tunnel near Montrose, Colorado, which was completed in 1909 and was the key structure in the first major transmountain irrigation system in the United States, has been designated a National Historical Civil Engineering Landmark. A photograph of this tunnel, as well as information on other National Historic Landmarks designated by the ASCE, is available on request from Mr. Herbert R. Hands, American Society of Civil Engineers, Public Information Services, United Engineering Center, 345 East 47th Street, New York, N. Y. 10017.
IREX PROGRAMS

The International Research and Exchanges Board (IREX), sponsored by the American Council of Learned Societies and the Social Science Research Council, administers academic exchanges with Eastern Europe and the Soviet Union. They write that: "In the last year we have become increasingly aware of the need to encourage qualified scholars outside of the traditional area disciplines to participate in the research and exchange programs we offer. In writing to you, our aim is not necessarily to create new area specialists, but to enable scholars in the humanities, social sciences and natural sciences to extend their principal disciplines to include study in the area and to take advantage of comparative materials in their research. To that end, the Selection Committee for the various programs are giving close attention to applications from non-area as well as area specialists, and a new Preparatory Fellowship program has been established to enable graduate students in under-represented disciplines to acquire an area expertise prior to participation in the exchanges."

The IREX Programs fall into four categories:

A. Grants for Research in the Soviet Union and Eastern Europe on Exchange Programs. (Application deadlines: For Soviet Union, senior scholars, December 1; young faculty and graduate students, November 1. For Eastern Europe, November 15. Both for grants for following academic year.) These grants provide opportunities "for research for periods of up to an academic year in the Soviet Union, Bulgaria, Czechoslovakia, Hungary, Poland, Romania, and Yugoslavia on exchange programs between these countries and the United States. These programs are open to advanced graduate students, postdoctoral scholars, and faculty members in all fields of study who are United States citizens and are affiliated with a North American college or university."

B. Ad Hoc Grants to Promote New Exchanges. (Application deadlines: September 30, December 31, March 30, and June 30.) This program consists of: "A very limited number of grants to assist in the development of private, and bilateral exchanges in the social sciences and humanities to supplement the official exchange programs involving the countries listed above, plus Albania, East Germany and Mongolia, and to create a favorable climate for intellectual interchange between scholars of the respective countries. Grants are to make possible short-term visits to facilitate face-to-face consultation and planning by scholars from both sides for exchanges and contacts which are innovative or in fields hitherto neglected. Visits may take place either in the U.S. or in East-Central or Southeast Europe or in the Soviet Union, and may involve two-way visits when appropriate."

C. Grants for Collaborative Projects. (Application deadlines: October 31 and April 30.) This program consists of "a very limited number of grants in the social sciences and humanities to enable individuals or institutions of the countries involved in the official IREX exchange programs, plus Albania, East Germany and Mongolia, to carry out such undertakings as binational or multinational symposia, joint research or publication, exchanges of data, comparative surveys, and institutional exchanges of professors and students."

D. Fellowships for Preparatory Study in the United States and Canada. (Application deadline: February 1.) "In order to encourage a wider interest among U.S. and Canadian graduate students in research and scholarship bearing on contemporary Eastern Europe and the Soviet Union, IREX provides a limited number of fellowships in support of essential linguistic preparation and area training. Preference will be given to applicants in the contemporary social sciences or in humanistic disciplines which are traditionally underrepresented in North American scholarship relating to the exchange countries. The fellowship consists of two parts: 1) domestic training which includes tuition and fees for two summers and an academic year, a stipend to cover living expenses, and necessary travel costs; 2) nomination to the appropriate IREX exchange program for participation immediately following successful completion of domestic training. NOTE: Canadian citizens are not eligible for exchange participation but may apply for the domestic training portion only."

Further information on all of these programs, including eligibility requirements, duration of the grants, financial provisions and other details may be obtained by writing directly to the International Research and Exchanges Board, 110 East 59th Street, New York, N. Y. 10022. In writing for information, please state your academic status, academic affiliation, field of specialization, and citizenship.
AMERICAN COUNCIL OF LEARNED SOCIETIES AIDS TO INDIVIDUAL SCHOLARS

For general information on grant programs and for application forms, write Office of Fellowships and Grants, ACLS, 345 East 46th Street, New York, N. Y. 10017. Deadlines for 1972-73 applications range from July 1, 1972, to February 1, 1973.

ATIAA HISTORY MANUSCRIPT CONTEST

The American Institute of Aeronautics and Astronautics announces the opening of the annual competition for the best historical manuscript (75,000 word maximum) dealing with the science, technology and/or impact of aeronautics and astronautics. The manuscripts must be in English, not previously published anywhere as a book, and the author need not be a citizen of the United States. The purpose of the ATIAA History Manuscript Contest is to provide professional recognition to the author making a significant and original contribution to the history of aeronautics and astronautics. ATIAA History Manuscript Contest carries a cash prize of $500 and the opportunity for publication in the ATIAA Historical Monograph Series. Manuscripts and inquiries should be addressed to Professor I. B. Holley, Jr., Department of History, Duke University, Durham, North Carolina 27706.

ACLS POST-DOCTORAL RESEARCH AWARDS

The American Council of Learned Societies, 345 East 46th Street, New York, N. Y. 10017, recently announced that in a national competition it offered Grants-In-Aid to ninety-six scholars from sixty-two academic institutions for post-doctoral research in humanities and related social sciences. Some of the projects perhaps of interest to members of the Society are the following (for complete listing contact the ACLS): (1) I. Tzvi Abusch, Assistant Professor of Biblical Studies, Jewish Theological Seminary: Cuneiform tablets dealing with witchcraft; (2) Robert Brenner, Assistant Professor of History, University of California, Los Angeles: The effects of socio-political structure on agrarian development in early modern Europe; (3) Edwin L. Brown, Associate Professor of Classics, University of North Carolina: Astronomical sources of imagery in classical literature; (4) Ray Cordell Dougherty, Assistant Professor of Linguistics, New York University: Models, methods, and arguments in linguistic and logic research; (5) Clinton R. Edwards, Professor of Geography, University of Wisconsin, Milwaukee: The role of watercraft and maritime transport in the dispersal of ideas in pre-Columbian Mesoamerica; (6) Michael L. Katzvev, Assistant Professor of Art, Oberlin College: Reconstruction of Greek merchant ship of the 4th century B.C.; (7) William A. McDonald, Professor of Classics, University of Minnesota: Domestic architecture and village layout in mainland Greece (2000-800 B.C.); (8) Cynthia Anne McMillan, Assistant Professor of History, Huron College: The question of mathematical knowledge and reality during the French Enlightenment; (9) William S. Simmons, Associate Professor of Anthropology, University of California, Berkeley: Excavations in an early Colonial fort; (10) Leonardo Taran, Professor of Greek and Latin, Columbia University: The manuscripts of Simplicius' commentary on Aristotle's Physics; (11) Petrus W. Tax, Professor of Germanic Languages and Literatures, University of North Carolina: An edition of Notker's exposition of Boethius' De consolatione philosophiae; (12) Alan Trachtenberg, Associate Professor of the American Studies Program, Yale University: The interrelationships of literature and photography in America; (13) Bluma Trell, Professor Emerita of Classics, New York University: Architecture on coins.

NATIONAL ENDOWMENT FOR THE HUMANITIES

Professors Robert Turnbull and Peter Machamer, Department of Philosophy, Ohio State University, Columbus 43210, report that they have received a grant for $25,000 from the National Endowment for the Humanities to aid in developing a new course in the History of Philosophy/History of Scientific Theories. They are now seeking $25,000 in private funds which NEH will match with an additional $25,000. The course, which will use original source materials on given topics from ancient Greek times to the early 20th century, will emphasize the historical relationships between scientific theory and philosophy, and will be taught by two regular instructors and twelve distinguished visiting historians of philosophy and historians of science. The topic for 1972-73 will be "Space, Matter, and Motion." A summer conference at which the twelve course consultants and participating faculty will read papers and discuss issues connected with science and philosophy will be held June 9-17, 1973.
Dr. Ronald S. Berman, Chairman of the National Endowment for the Humanities, recently announced that NEH has also awarded a grant ($96,000 outright for first year; $75,000 gifts-and-matching for second) to the University of California, San Diego, to develop a pilot program for college-level courses, which, if successful, will be made available to newspaper readers throughout the nation. This "Courses by Newspaper" project, directed by Caleb A. Lewis, Head of Special Programs at UCSD Extension, will consist of twenty 1,400-word lectures written by distinguished teachers around the theme "The Future of Man," and will examine the American experience, focusing on such topics as the impact of change on societal and cultural patterns and on value systems, biological and ethical implications of advances in medicine and genetics, and the future of technology and its impact on the quality of human life. This course will be more than a correspondence course; those who enroll for credit will meet each semester for two "contact sessions" of three hours each, held in the evening, with the academic coordinator on the campus nearest them which is cooperating in the program. Mid-term and final examinations will be required. Those who enroll for credit will also use a reading kit (about $15) which accompanies each course. The Copley News Service, which has over 800 client newspapers in all parts of the country, has agreed to act without charge as the distributing agency for the twenty lectures. Initial distribution will be made to a pilot group of six daily and weekly newspapers, who will print the lectures free of charge over a twenty-week period, and who are being selected to afford the widest possible geographical and demographic exposure. If the pilot project proves successful, the initial course -- and succeeding courses -- will be offered on a wider scale to newspapers throughout the United States.

Dr. Berman also recently announced that NEH has awarded an outright grant of $476,886 (with the possibility of an additional $200,000 gifts-and-matching grant) to the John Jay College of Criminal Justice in New York City, a large number of whose students are police and security officers or are training for these professions, for a four-year program to support the development of a new humanities curriculum. The program is under the direction of Arthur S. Pfeffer, Professor of English at John Jay College.

Yet another recent NEH award has been to the University of Maryland ($13,296) for continuing support of a project to edit in 12-15 volumes the papers of Booker T. Washington. The project's director is Professor Louis B. Harlan, who has been working on it for four years with NEH support and has completed editing on the first two volumes (1879-1889). The present grant will cover volumes three to five (1889-1900) and brings to $75,245 the total award to date. The project is expected to be finished by 1976. Other recent grants to Maryland include a $36,000 award to Johns Hopkins University for three fellowships in Afro-American studies and another to the African Cultural Services in Silver Spring.

THE WELLCOME TRUST
DIRECTOR OF THE WELLCOME INSTITUTE OF THE HISTORY OF MEDICINE

Applications are invited for the post of Director of the Wellcome Institute of the History of Medicine, London. The Wellcome Trustees hope to fill the post in the course of 1973. Applicants should preferably be medically qualified and should have had professional training and experience in historical research. They should have an interest in the history of ideas in the development of medical science. The successful applicant would also be expected to lead the research undertaken in the Institute and be responsible for the activities of the staff in charge of the library and museum. Salary and pension on university professorial scale, subject to negotiation. Applications, together with curriculum vitae and the names of two referees should be addressed to The Director, The Wellcome Trust, 52 Queen Anne Street, London W1M 9IA, England, to whom all other enquiries should be addressed.

FELLOWSHIPS AND HONORS

Allen G. Debus, University of Chicago, has been elected a Corresponding Member of the International Academy of the History of Science and a Member of the Société Internationale d'Histoire de la Médecine.
APPOINTMENTS AND PROMOTIONS

Jerome J. Bylebyl has been appointed Assistant Professor of the History of Medicine by the Department of History of the University of Chicago and the Morris Fishbein Center.

Allen G. Debus, Professor of the History of Science, has been appointed Director of the Morris Fishbein Center for the Study of the History of Science and Medicine, the University of Chicago.

Jonathan Hodge has been appointed Assistant Professor in the Department of History and Philosophy of Science, University of Pittsburgh.

Robert H. Kargon has been named Professor of the History of Science and Chairman of the Department of the History of Science, Johns Hopkins University.

Michael S. Mahoney has been promoted to Associate Professor and appointed Director of the Program in History and Philosophy of Science, Princeton University.

Russell McCormmach has been appointed Associate Professor of the History of Science, Johns Hopkins University.

Kenneth Schaffner has been appointed Associate Professor in the Department of History and Philosophy of Science, University of Pittsburgh.

Harry Woolf has been named Provost of the Johns Hopkins University.

VISITING APPOINTMENTS

Allen G. Debus, University of Chicago, will spend the academic year 1972-73 as a Member of the Institute for Advanced Study at Princeton.

Kenneth O. May, University of Toronto, will be on leave for the academic year 1972-73, primarily doing research on information retrieval in mathematics with support from a Killam Award of the Canada Council.

Ivo Schneider, University of Munich, will spend the academic year 1972-73 as a Visiting Lecturer in the Program in History and Philosophy of Science, Princeton University.

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.

Dr. W. H. Brock, History of Science, University of Leicester, England, has compiled "A List of Theses and Dissertations in History of Science in British Universities in Progress or Recently Completed" for 1971-72. This list, which contains 235 entries and may be obtained from Dr. Brock, is a revision of the printed list of theses distributed by the British Society for the History of Science in the summer of 1971, which in turn may be obtained from the Secretary, BSHS, 47 Belgrave Square, London, S.W.1. The latter list is free to members of the British Society, and costs 40p or $1.50 to non-members.

University of Chicago

Sara Bobroff, "European Awareness of Overseas Plants, 1500-1753" (in progress).

Nicholas H. Clulee, "Mathematical Philosophy and Natural Philosophy in the Work of John Dee" (in progress).


John Leary, "Proposals for a Universal Language during the Early Years of the Royal Society" (in progress).


Terrence Murphy, "Jean Baptiste Robinet and 18th Century French Materialism" (in progress).
Johns Hopkins University

William R. Albury, "The Logic of Condillac and the Structure of French Chemical and Biological Theory, 1780-1801" (completed).

David H. Galaty, "The Emergence of Biological Reductionism" (completed).

Howard N. Plotkin, "Henry Draper: A Scientific Biography" (completed).

University of Michigan

Robert S. Westman, "Johannes Kepler's Adoption of the Copernican Hypothesis" (completed). Dr. Westman, Assistant Professor in the Department of History, University of California, Los Angeles, is currently writing a book on the diffusion of the Copernican theory, 1543-1642.

Oregon State University

Alaric M. Stella, "The Reception of Wilhelm Reich's Sex Economic Theory (Orgastic Impotence Origin of Pathological Drives) among American and West European Psychotherapists between 1934 and 1957" (in progress).

Princeton University

Eugene Frankel, "Jean-Baptiste Biot: The Career of a Physicist in Nineteenth-Century France" (completed).

EMPLOYMENT QUESTIONNAIRES

A great deal of concern was expressed at the last annual meeting of the History of Science Society about the supply of graduating historians of science -- are there too many? Should we try to cut back on the number? How many are obtaining jobs? Obviously, intelligent answers to these questions require accurate information on the number of new historians of science who are and will be graduated, on their success in finding jobs, and on the employment situation facing older historians of science. Accordingly, appropriate questionnaires are now being prepared for distribution; and the Newsletter Committee would like to request everyone's cooperation in promptly filling them out and returning them.

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 the Secretary, Roger H. Stuewer, as soon as possible for publication in the Newsletter. If 1973-74 openings can be publicized early, appointments between prospective employers and employees can be arranged in advance of the December meeting of the Society, to the benefit of all concerned. Moreover, such sharing of job information is consistent with the general sentiment expressed at the last annual meeting on the desirability of open listing of available positions.

JOB OPENINGS

The positions listed below have not yet been removed from the job register maintained by the Secretary of the Society. For older listings which may still be open see past issues. New openings should be brought to the attention of the Secretary as soon as possible. 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. 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 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.
THURSDAY, DECEMBER 28

9:00 a.m.

Copernicus - 500th Anniversary. Open session, co-sponsored with AAAS Sections L and D. Arranger: R. J. Seeger (AAAS, Section L).


"Early American Psychological Instrumentation"
Audrey B. Davis and Uta C. Merzbach (Smithsonian Institution)

"The Rise and Fall: Anthropometric Mental Testing in the United States, 1890-1900"
Michael M. Sokal (Worcester Polytechnic Institute)

"The Behavioral Revolution in Psychology, 1910-1930"
William R. Whipple (University of Pennsylvania)

Commentator: Rand B. Evans (University of New Hampshire)

Work in Progress: I

1:00 p.m.


"Dr. Johann David Schoepf, the True Pioneer of American Geology"
Edmund M. Spieker (Ohio State University)

"American Geological Investigations and the French, 1750-1850"
Kenneth L. Taylor (University of Oklahoma)

"William Maclure's Theory of Geology"
George W. White (University of Illinois)

"Joseph N. Nicollet, His Geological Observations and Associations, 1835-1843"
Martha Bray (St. Paul, Minnesota)

"European Attitudes toward American Geologists, 1830-1845, with Special Reference to Henry Darwin Rogers"
Patsy Gerstner (Howard Dittrick Museum, Cleveland, Ohio)

"Charles Lyell's Contribution to the Tertiary Geology of the United States"
Leonard G. Wilson (University of Minnesota)

"Agassiz' Influence on Geological Thinking in the United States"
Albert V. Carozzi (University of Illinois)

The Place of the History of Life and Medical Science in Undergraduate Education. Co-sponsored with AAAS Sections F-G, L and N. Arranger: R. J. Seeger (AAAS).

Introductory Address: George Rosen (Yale University).

Panel Discussion: Everett Mandelsohn (Harvard University), Chairman. Garland Allen (Washington University), Audrey B. Davis (Smithsonian Institution), Roger W. Dahlén (National Library of Medicine), George Erikson (Brown University), Chauncey D. Leake (University of California), Genevieve Miller (Cleveland Medical Library Association), Peter H. Niebyl (Johns Hopkins University), John Withers (American Institute of Biological Sciences), Raymond J. Seeger (Secretary, Section L, AAAS), Jerome J. Byklebøl (University of Chicago).

Work in Progress: II

4:30 p.m.

Sarton Memorial Address: Thomas S. Kuhn (Princeton University), "Mathematical versus Experimental Tradition in the Development of Physical Science"

6:30 p.m.

Meeting of the History of Science Society Executive Council.
FRIDAY, DECEMBER 29

9:00 a.m.

"Sir David Brewster Confronts the Undulatory Theory of Light"
Edgar W. Morse (Sonoma State College)

"Oppositions to Aetherial and Imponderable Media in the Early 19th Century"
Richard Olson (University of California, Santa Cruz)

"Natural Philosophy, Nature Philosophy and Science in the Early 19th Century"
Robert E. Schofield (Case Western Reserve University)

1:00 p.m.
Joseph Henry Symposium II: Technology. Co-sponsored with AAAS Section L and SHOT. Arranger: James Brittain (Georgia Institute of Technology).

Work in Progress: III

3:30 p.m.
Business Meeting, History of Science Society.

6:30 p.m.
HSS/SHOT Banquet. Speaker: Clifford Truesdell (Johns Hopkins University).

SATURDAY, DECEMBER 30

9:00 a.m.

Phillip R. Sloan (University of Washington)
Peter J. Bowler (University of Toronto)
John C. Gienapp (Concordia College)
Stephen Milliken (Rocky Mountain State College)


"The Interaction of Science and the New Class: The Case of Manchester in the Industrial Revolution"
Arnold Thackray (University of Pennsylvania)

"Nature and Nurture: The Social Contexts of Nuclear Physics before the Bomb"
Charles Weiner (Center for History of Physics)

"The Social Construction of Science" (Vice-Presidential Address, Section L)
Everett Mendelsohn (Harvard University)

Commentator: Lewis Coser (State University of New York, Stony Brook)

1:00 p.m.

Harold Burstyn (Carnegie-Mellon University)
William Stanton (University of Pittsburgh)

The Role of Experimentation in Science. Co-sponsored with AAAS Section L. Arranger: Stanley Goldberg (Hampshire College).

Gerald Holton (Harvard University)
Robert Kohler (Burndy Library)
Sigmund Koch (Boston University)
Garland Allen (Washington University)
Commentator: Max Wartofsky (Boston University)
HISTORY OF SCIENCE SOCIETY

BALLOT 1972

SECOND VICE-PRESIDENT

Richard S. Westfall, Professor, Department of History and Philosophy of Science, Indiana University
17th-century science, mechanics, optics, Newton

COUNCIL TERM EXPIRING DECEMBER 31, 1975
(Vote for Five Members*)

Michael J. Crowe, Associate Professor, Program in History and Philosophy of Science, University of Notre Dame
Physical science, mathematics, philosophy of science, optics, 19th-century astronomy

June Z. Fullmer, Associate Professor, Department of History, Ohio State University
19th-century physical sciences

Loren R. Graham, Associate Professor, Department of History, Columbia University
Contemporary science, Russian science, philosophy of science

Carolyn Iltis, Lecturer, Department of Physics, University of San Francisco
17-18th-century physical sciences, science and literature

William R. Shea, Assistant Professor, Faculty of Philosophy, University of Ottawa
16-17th-century Italian science

* Under the statutes of the Society, the President must appoint a nominating committee to prepare a ballot containing a name for each vacancy, with blank spaces in which the voter may substitute other names. Chairman of the committee this year was Thomas L. Hankins.

Please return the ballot before December 1, 1972. It may be returned together with the pre-registration forms to:
Isis Editorial Office
Smithsonian Institution
Washington, D. C. 20560

Or it may be sent to the Secretary (address on reverse) by simply folding and stapling this page. (Care will be taken to insure the secrecy of the ballot.)
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<tr>
<th>Date</th>
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<td>Tues 26</td>
<td>Copernicus - 500th Anniversary (With &quot;D&quot;)</td>
<td>R. J. Seeger</td>
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<td>Wed 27</td>
<td>Joseph Henry (With &quot;B&quot;, HSS, SHOT)</td>
<td>N. Reingold, J. Brittain</td>
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<td>Thurs 28</td>
<td>Genetics since Mendel - 150th Anniversary (With &quot;G&quot;)</td>
<td>G. Allen</td>
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<td>Fri 29</td>
<td>History of Statistics (With &quot;U&quot;)</td>
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<td>Fri 29</td>
<td>History of Technology (With &quot;M&quot;, &quot;P&quot;, SHOT)</td>
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<td>Sat 30</td>
<td>Light and the Visual Arts</td>
<td>H. Blum, E. Haffner, F. Malina, A. Spear</td>
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<td>History of Oriental Science and Technology (With HSS, SHOT)</td>
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<td>Role of Mathematics in the Social Sciences (With &quot;A&quot;)</td>
<td>O. Morgenstern</td>
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<td>Role of Experimentation in Science</td>
<td>S. Goldberg</td>
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<td>Sarton Lecture (With HSS, SHOT)</td>
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<td>Science and Society: An Historical Perspective</td>
<td>E. Mendelssohn</td>
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<td>Mid-19th Century American Geology</td>
<td>G. W. White</td>
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**Pre-Registration**

**ANNUAL HISTORY OF SCIENCE SOCIETY MEETING**

Washington, D. C. - December 28-30, 1972

The Society will meet in conjunction with the American Association for the Advancement of Science in Washington, D. C. A second announcement containing additional information about hotel reservations, sessions, and the HSS dinner (December 29, Friday evening) will be distributed later. The information requested below should be mailed to the *Isis* Editorial Office, Smithsonian Institution, Washington, D. C. 20560.

Name ........................................................................................................

(First).................................................................................................

Affiliation ...........................................................................................

or

Mailing Address ...................................................................................

Enclosed is $2.00 registration fee. (Checks should be made payable to the History of Science Society.)