

NEWSLETTER



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HISTORY OF SCIENCE SOCIETY

WELCOME TO BLOOMINGTON

BY EDWARD GRANT

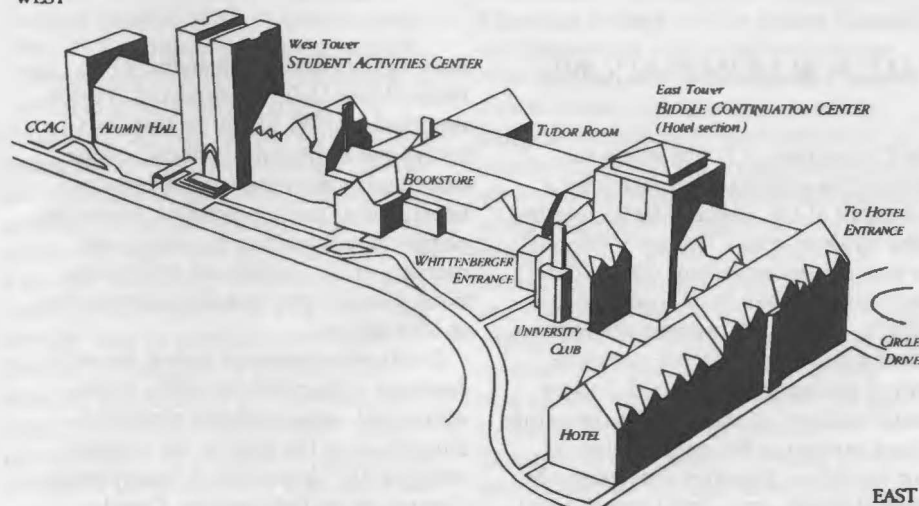
INDIANA UNIVERSITY and its Department of History and Philosophy of Science cordially welcome you to the 1985 Annual Meeting of the History of Science Society, to be held in the Indiana Memorial Union in Bloomington, Indiana, on 31 October-3 November.

Happily, this HSS meeting coincides with the twenty-fifth anniversary of the founding in 1960 of the Department of History and Philosophy of Science, and we invite you to join us in celebrating that event.

Through the Herculean labors of Albert Van Helden, Program Chair, an outstanding program awaits you. Victor Thoren, local arrangements chairman, has striven mightily to make your stay a pleasant and memorable one. Nor will your cultural needs be neglected, as evidenced by at least two items on the calendar: an exhibit of rare books on the history of science, continuing at the Lilly Rare Book Library throughout the meeting, and a performance by a chamber quartette from Indiana University's renowned school of music, which will follow the Society banquet on Saturday.

Should the weather cooperate and favor us with sunshine, the magnificent autumn colors of the Bloomington region should be visible in all their radiant splendor!

WEST



EAST

The Indiana Memorial Union. Courtesy of
Indiana University.

HSS EXECUTIVE COMMITTEE

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ARNOLD THACKRAY, University of
Pennsylvania

The History of Science Society was founded in 1924 to secure the future of *Isis*, the international review that George Sarton (1884-1956) had founded in Belgium in 1912. The Society seeks to foster interest in the history of science and its social and cultural relations, to provide a forum for discussion, and to promote scholarly research in the history of science. The Society pursues these objectives by the publication of its journals *Isis* and *Osiris*, by the support and subvention of other forms of scholarly publication, by the organization of annual meetings and other programs, by the award of medals and prizes for outstanding contributions to the history of science, by the encouragement and sponsorship of local and regional sections of the Society, and by cooperation with other learned and scientific societies.

ALSO IN THIS ISSUE

EDITORSHIP OF <i>ISIS</i>	2
HSS LECTURERS	4

ELECTION NEWS AND FULL
CONTENTS ON LAST PAGE

THE EDITORSHIP OF *ISIS*

BY EDWARD GRANT, PRESIDENT

By now most members are aware that Arnold Thackray, our longtime Editor of *Isis* and *Osiris*, has found it necessary to relinquish his duties effective 31 December 1985. Arnold has accepted a challenging position as Dean for Research and Graduate Studies at the University of Maryland, where his duties commence in January 1986. Although he will continue as Editor of *Osiris*, his demanding assignment at Maryland has made it impossible for him to continue as Editor of *Isis* for the History of Science Society.

I know that all of us are filled with a keen sense of loss and deep and genuine regret at Arnold's departure. We have always been fortunate in our choice of *Isis* editors. George Sarton, I. Bernard Cohen, Harry Woolf, Robert Multhauf, and now Arnold Thackray have made *Isis* one of a small number of truly outstanding academic journals. Not only has Arnold Thackray found numerous ways to deepen and broaden the intellectual appeal and significance of *Isis* during his seven-year stewardship, but by vigorous leadership he also greatly increased its readership. In the future history of our Society, Arnold's tenure as Editor is certain to be recalled with appreciation and gratitude for his crucial role in the resurrection of *Osiris*, the first volume of which is now published (copies were distributed at the XVIIth International Congress of History of Science at Berkeley in August 1985), and the second volume of which will soon appear. The launching of *Osiris* was truly Arnold Thackray's crowning achievement. It was characterized by the same vigor, dedication, and intelligence that have typified his remarkable seven years of editorial effort in our behalf.

But our editors of *Isis* do not live by editorial work alone. Our Society makes them members ex-officio of the Executive Committee. During the past three years, I have had ample opportunity to witness Arnold's contributions to administrative matters far removed from *Isis* and *Osiris*. I am now sadly aware of how much we shall miss his wise counsel and his genuine concern for all issues, large and small, that affected our Society.

I know I speak for all the members of HSS when I wish Arnold Thackray happi-

ness and fulfillment in this new phase of his distinguished career. We are grateful for the extraordinary efforts he has exercised in our behalf. And, above all, we hope that he will continue to play a vital role in our Society.

The text of Arnold Thackray's letter to Edward Grant announcing his resignation follows.

I shall shortly have completed a Biblical term of seven years as Editor of *Isis*. As discussed with you, with the Executive Committee of the Council, and with the Committee on Publications over these past several weeks, the time has come for me to move on to fresh challenges, and for the History of Science Society to benefit from a new hand at the helm. I therefore write to give notice of my resignation as Editor of *Isis*, effective 31 December 1985.

I have enormously enjoyed the privilege of working with you, with colleagues on Council, with Advisory Editors, with referees, and with Society members and other scholars from around the globe. The publications of the History of Science Society are in a very healthy state. The

circulation of *Isis* recently passed the 4,000 mark; the number of first-rate articles being submitted is higher than ever; we are publishing 250 book reviews each year; and the *Critical Bibliography* is successfully computerized. In addition the new series of *Osiris* has been launched to general acclaim, the expanded *Newsletter* is finding a wide acceptance, and plans are well advanced for a series of occasional publications.

As Editor, I was not only able to draw on the goodly heritage bequeathed by George Sarton, and extended by his successors. I was also fortunate in possessing the services of our superb Publications Director, Frances Kohler, as she and her staff developed a Publications Office which has itself become an invaluable addition to the Society's assets. The Publications Director has every aspect of the production of our Society publications firmly in hand. And scholarship in the history of science has never been more buoyant. I am thus confident that *Isis* will go on from strength to strength.

My intention is to continue and extend my own scholarship in the days ahead, while also enjoying the recreation of administrative work. Thus, if you and your colleagues so wish, I shall be pleased to continue as editor of the re-born *Osiris*.

Again my deepest thanks to you and to the members of the History of Science Society for the privilege of serving as Editor of *Isis*, and for all the support so freely given in the seven-year term of my Editorship.

CALL FOR NOMINATIONS

The Committee on Publications announces the opening of its search for a new editor of *Isis*, and also for an interim editor to serve from 1 January 1986 until the new editor can assume office. The Committee wishes, by this announcement, to solicit nominations and applications for both positions. No particular form of application is required. Letters should indicate, at least briefly, the nature of your interest or the qualifications of your candidate. Inquiries concerning the editorial duties, anticipated institutional contributions, or any other aspect of the position are welcomed. Correspondence should be sent to David Lindberg, Depart-

ment of the History of Science, 4143 Helen White Hall, University of Wisconsin, Madison, WI 53706. So that the Committee can move quickly ahead, please make preliminary contact (by letter or telephone) as early as possible. Interested parties should feel free to contact any member of the Committee on Publications, listed below, to solicit information or offer advice.

During the transition period, *Isis* will continue to function smoothly. Manuscripts and correspondence should be directed, as in the past, to the editorial offices at the University of Pennsylvania. *Committee on Publications*: David Lindberg (Chair), Joseph Dauben, Daniel J. Kevles, Sally Gregory Kohlstedt, Mary Jo Nye, William Coleman (ex officio)

FROM THE SECRETARY

BY AUDREY B. DAVIS

In this last *Newsletter* for which I will serve as Secretary of HSS I warmly thank members for their concern, suggestions, and assistance over the past four years. In particular I am very grateful to Frances Kohler and the staff at the University of Pennsylvania for responding to my many queries, requests, and comments concerning the *Newsletter* with alacrity, integrity, and good will. I am equally appreciative of the many kindnesses and supportive efforts extended by the committees with which I have worked.

It was a great pleasure to be a member of an increasingly active, innovative, and successful Executive Committee and Council. The activities of HSS have been placed in a financially secure position, largely through the brilliant leadership of Gerald Holton. Foundation and corporate grants and contributions from HSS members have permitted goals to be refined and implemented at a pace barely imagined when they were first announced several years ago. The HSS has become a model among scholarly societies for establishing priorities among its functions and finding

the means to accomplish them. Other societies have sought advice for conducting fund-raising campaigns and apportioning the support received. Members receive more services than ever before. HSS publications reach the greatest number of members in a variety of forms. Financial support for scholars to pursue their research and publication efforts, as well as to present papers at the annual and other meetings, has become a reality for some entering their careers during a period of shrinking financial resources and lack of institutional opportunities.

My experience over the past four years has increased my enthusiasm for the Society and its potential for helping to shape the field and the careers of its members. As a constituent member of the American Council of Learned Societies, the Consortium of Social Science Associations, and the National Coordinating Committee for the Promotion of History, HSS has many opportunities to promote the history of science, affect legislation, identify and stimulate jobs for its members, and extend its publications. These coalition groups provide data and direction to be incorporated into a society's programs for attaining its specific goals to benefit its members. The extent to which these suggestions are implemented de-

pends on the dedication, self-sacrifice, and leadership of a given society's officers and council, supported by an alert membership.

It is not merely coincidental that HSS has grown and prospered after constitutional changes. In response to members' requests, Society business has become a major occupation for those who are elected to HSS offices and assigned to committees. Officers and Council members are increasingly called upon to perform duties that require large investments of time and talent. The goals reached are worthy of all this attention. Since so much is demanded to conduct HSS business, it is reasonable to wonder how much any individual should be asked to give of his or her time. If more members served the Society, no one person would need to bear a large share of the burden of service.

I urge all those asked to serve HSS in an elected office to take up the challenge, but I will understand if it is done with some trepidation. Certainly I hope all members will cast their ballots in each election. My experience allows me to state that it was worth the loss of research time to serve as Secretary, and I hope that my contributions have helped to make HSS a stronger and more effective organization for all of us.

PRIZE COMPETITIONS

The American Society for Eighteenth-Century Studies (ASECS) announces its 1984-1985 competition for the **James L. Clifford Prize** of \$300 to be awarded to an outstanding study of some aspect of eighteenth-century culture which is interesting to any eighteenth-century specialist, regardless of discipline. Nominated articles should not be longer than 7,500 words and must have appeared in print in a journal, festschrift, or other serial publication between July 1984 and June 1985. Articles may be nominated by their authors or by members of ASECS. (The winning author must be a member of ASECS at the time of the award.) Send nominations, accompanied by an offprint or copy of the article, by **1 February 1986** to ASECS, R. G. Peterson, Executive Secretary, St. Olaf College, Northfield, MN 55057; telephone (507) 663-3488.

The History Division of the American Chemical Society and the Dexter Chemical Corporation wish to solicit nominations for the 1986 **Dexter Award**. The award honors outstanding accomplishment in the history of chemistry and consists of \$1,000 and an engraved plaque, which will be conveyed at the fall meeting of the American Chemical Society. Nominations should consist of a cover letter containing an assessment of the nominee's contributions to the field, a vita, and a bibliography of publications. Copies of no more than three select publications may also be included if available. Forward to Robert H. Goldsmith, Secretary-Treasurer of the History Division, Division of Natural Science, Anne Arundel Hall 201A, St. Mary's College of Maryland, St. Mary's City, MD 20686, no later than **1 January 1986**.

EXHIBITS

The National Museum of American History opened "Building the Bomb: Forty Years After Hiroshima," an exhibit commemorating the fortieth anniversary of the atomic bombing of Hiroshima and Nagasaki on 6 August of this year. The purpose of the exhibit is to demonstrate the power of atomic weapons and the scientific achievement that their development represented. The exhibit contains about forty-five photographs, drawings, documents, and artifacts (including casings for bombs of the type dropped) that illustrate the development of the atomic bomb under the Manhattan Project, the decision to use it in World War II, and its destructive effects on Japan. Stanley Goldberg, consultant to the Department of History of Science and Technology, National Museum of American History, coordinated the exhibit, which closes on 3 November 1985.



Garland E. Allen



I. Bernard Cohen



Loren Graham



Gerald Holton



Thomas P. Hughes

VISITING HISTORIANS OF SCIENCE PROGRAM, 1985-1986

The History of Science Society is pleased to announce the first roster of National Lecturers in its newly inaugurated Visiting Historians of Science Program. The primary goal of the HSS Visiting Historians of Science Program is to promote the history of science wherever it is not currently represented, especially at smaller colleges where a historian of science might serve as the focus of core curriculums or in bridging the work of a number of departments, or at universities that have growing history of science departments or are thinking of instituting programs. The program is supported by generous grants from the Exxon Education Foundation and the Ford Foundation. For more on this new venture, see the July 1985 issue of the *HSS Newsletter*.

GARLAND E. ALLEN is Professor of Biology at Washington University, St. Louis. In 1981 he was a Fellow at the Charles Warren Center for Studies in American History at Harvard University, where his research concerned primarily American social history and the history of American eugenics from 1890-1950. Among his many publications are *Matter, Energy, and Life* (with J. J. W. Baker), *Life Sciences in the Twentieth Century*, and *Thomas Hunt Morgan: The Man and His Science*. ■ **Lectures:** "Eugenics and American Social History, 1900-1940"; "Thomas Hunt Morgan and the Split Between Genetics and Embryology: The Influence of Mechanistic Materialism in Twentieth-Century Biology"; "Theories of Biological Determinism, 1840-1930: A Social History"; "A Marxist Interpretation of the Darwinian Revolution" (all require a slide projector). ■ **Seminars:** "The Founding of the Eugenics Record Office, Cold Spring Harbor, Long Island, 1910-1940" (for advanced undergraduates and

graduate students); "Marxism and the History of Science: A Critique"; "Current Problems in the History of Genetic and Evolutionary Theory" (both for general audiences). ■ **Dates available:** not until after January 1986; by consultation within six months of the expected visit. ■ **Address:** Department of Biology, Washington University, St. Louis, MO 63130. ■ **Telephone:** (314) 889-6808 and 889-6860 (secretary).

I. BERNARD COHEN, the first American to receive a Ph.D. in the history of science, founded the history of science department at Harvard University. He is the author of numerous books, including *The Birth of a New Physics*, *Franklin and Newton*, *Introduction to Newton's Principia*, *The Newtonian Revolution*, and most recently, *Revolution in Science*. He is also a past President of the History of Science Society, a former editor of *Isis*, the Society's official journal, and a recipient of the George Sarton Medal, the highest award that the Society confers. ■ **Lectures:** "Revolutions in Science"; "The Newtonian Scientific Revolution" (both require two slide projectors). ■ **Seminars:** topics to be tailored to the interests of those who will attend. ■ **Dates available:** by consultation within six months of the expected visit. ■ **Address:** 22 Gray Gardens East, Cambridge, MA 02138. ■ **Telephone:** (617) 864-1397.

LOREN GRAHAM teaches in the Program in Science, Technology, and Society at M.I.T. and is a Visiting Professor of the History of Science at Harvard University. His numerous books and articles on science in the Soviet Union include *Science and Philosophy in the Soviet Union*, for which he was nominated for the National Book Award in History, and *Between Science and Values*, for which he received

an Honorable Mention for the Annual Award for Excellence in Publishing from the Association of American Publishers in 1981. ■ **Lectures:** "How Is the Soviet Union Coping with Technological Change?" (requires a slide projector); "The New Nature-Nurture Debate in the Soviet Union." ■ **Seminars:** "Analyzing the Social and Political Implications of Technology" (for undergraduates); "Science and the Russian Revolution" (for undergraduate and graduate students). ■ **Dates available:** any two of the following: the week of 21 October 1985, 28-30 October 1985, 25-27 November 1985. ■ **Address:** Program in Science, Technology, and Society, Room E51-128, Massachusetts Institute of Technology, Cambridge, MA 02139. ■ **Telephone:** (617) 253-4092.

GERALD HOLTON is Mallinckrodt Professor of Physics and Professor of History of Science at Harvard University. He is the author of many works on the history of modern physics, including *Thematic Origins of Scientific Thought: Kepler to Einstein* and *The Scientific Imagination: Case Studies*. He was the Jefferson Lecturer for 1981 and is a former President of the History of Science Society. ■ **Lectures:** "What Albert Einstein Wanted to Achieve"; "What Does It Mean to 'Understand' the History of Science?" (both require slide and overhead projectors). ■ **Seminars:** "Preconception vs. Data: The Case of R. A. Millikan" (for undergraduates, preferably with some knowledge of introductory physics); "Why Einstein Chose America" (especially suited for general audiences). ■ **Dates available:** by consultation within six months of the expected visit. ■ **Address:** 358 Jefferson Laboratory, Harvard University, Cambridge, MA 02138. ■ **Telephone:** (617) 495-4474.



Daniel J. Kevles



Nathan Sivin



Frank J. Sulloway



Arnold Thackray



Richard S. Westfall

THOMAS P. HUGHES teaches in the Department of History and Sociology of Science at the University of Pennsylvania. He is a former President of the Society for History of Technology and has published numerous books and articles on Western history with special attention to the history of modern technology and science. His *Elmer Sperry: Inventor and Engineer* won the Dexter Prize of the Society for the History of Technology and the Texas Institute of Letters Book Award; his most recent book is *Networks of Power: Electrification of Western Society, 1880-1930*.

■ **Lectures:** "Independent Inventors in the Gilded Age"; "American Technology and German Culture" (both require a slide projector); "Are Technology and Science Humanistic?" ■ **Seminars:** "What Is the History of Technology and Applied Science?" (for graduate students and faculty); "Growth of Large Technological and Applied Science Systems: A Model of Change" (for a general audience).

■ **Dates available:** by consultation within six months of the expected visit. ■ **Address:** Department of History and Sociology of Science, E. F. Smith Hall/D6, University of Pennsylvania, 215 South 34th Street, Philadelphia, PA 19104.

■ **Telephone:** (215) 898-8400.

DANIEL J. KEVLES teaches history in the Humanities Division at the California Institute of Technology. He has published numerous articles on the history of American science and on the social and humanistic relations of science. His book *The Physicists: The History of a Scientific Community in Modern America* received the National Historical Society Book Prize in American History and was nominated for the American Book Award in 1980. His most recent book is *In the Name of Eugenics: Genetics and the Uses of Human Heredity*. ■ **Lectures:** "God, Man, and Genetics: Historical Reflections"; "Printer's Errors, Binder's Mistakes: The Literature of Human Genetic Disorder"

(both require a slide projector). ■ **Seminars:** topics to be tailored to the interests of those who will attend.

■ **Dates available:** by consultation within six months of the expected visit. ■ **Address:** Humanities Division, California Institute of Technology (228-77), Pasadena, CA 91125. ■ **Telephone:** (818) 356-4086.

NATHAN SIVIN is Professor of Chinese Culture and of the History of Science in the Department of History and Sociology of Science at the University of Pennsylvania. His books include *Chinese Alchemy: Preliminary Studies*, *Cosmos and Computation in Early Chinese Mathematical Astronomy*, *Traditional Medicine in Contemporary China*, and, in collaboration with Joseph Needham, Lu Gweidjen, and Ho Pingyu, *Chemical Discovery*, Part 4 of Volume V of *Science and Civilisation in China*. ■ **Lectures:** "Chinese Science and Medicine in World Perspective"; "Science in Traditional China"; "Chinese Medicine." ■ **Seminars:** topics to be tailored to the interests of those who will attend.

■ **Dates available:** generally available before 1 December 1985 and after 15 March 1986. ■ **Address:** Department of History and Sociology of Science, E. F. Smith Hall/D6, University of Pennsylvania, 215 South 34th Street, Philadelphia, PA 19104. ■ **Telephone:** (215) 898-7454 or 898-8400.

FRANK J. SULLOWAY is a MacArthur Fellow and Lecturer in the Department of Psychology and Social Relations at Harvard University. In 1980 he won the Pfizer Award of the History of Science Society for his book *Freud, Biologist of the Mind*. He has received numerous research grants, including fellowships from the National Science Foundation and the John Simon Guggenheim Memorial Foundation. He now has two books in preparation, *Family Constellations and Scientific Revolutions: The Roots of Intellectual*

Rebellion and Darwin's Genius: An Intellectual Biography. ■ **Lectures:** "Freud and Biology: The Hidden Legacy"; "Birth Order and Scientific Revolutions: The Roots of Intellectual Rebellion"; "Darwin and the Galapagos: The Evolution of a Legend" (all require a slide projector).

■ **Seminars:** topics to be tailored to the interests of those who will attend.

■ **Dates available:** by consultation within a month of the expected visit; preference for fall of 1985; unavailable 4 December 1985, 3-10 March and 9-12 April 1986.

■ **Address:** Department of Psychology and Social Relations, Harvard University, Cambridge, MA 02138. ■ **Telephone:** (617) 495-8253.

ARNOLD THACKRAY was the founding chairman of and teaches in the Department of History and Sociology of Science at the University of Pennsylvania. He is the editor of *Isis*, the official journal of the History of Science Society, and in 1983 received the Dexter Award of the American Chemical Society. His publications include *Atoms and Powers*, *John Dalton: Critical Assessments of His Life and Science*, *Chemistry in America, 1876-1976* (with J. L. Sturchio, P. T. Carroll, and R. F. Bud), and *Gentlemen of Science: Early Years of the British Association for the Advancement of Science* (with J. Morrell). ■ **Lectures:** "The Historian's Calling in the Age of Science"; "Chemistry in America" (both require a slide projector). ■ **Seminar:** "Inventing Behavioral Science." ■ **Dates available:** by consultation within six months of the expected visit. ■ **Address:** Department of History and Sociology of Science, E. F. Smith Hall/D6, University of Pennsylvania, 215 South 34th Street, Philadelphia, PA 19104. ■ **Telephone:** (215) 898-5621.

RICHARD S. WESTFALL is Distinguished Professor of the History of Science at Indiana University and a past President of

the History of Science Society. He has twice been the recipient of the Society's Pfizer Award, in 1972 for *Force in Newton's Physics* and in 1983 for *Never at Rest: A Biography of Isaac Newton*. Besides numerous articles dealing with Isaac Newton and the history of science generally in the seventeenth century, he is the author of *Science and Religion in Seventeenth Century England*, *Steps in the Scientific Tradition*, *The Construction of Modern Science*, and *Foundations of the Scientific Method* (edited with R. Gere). ■ **Lectures:** "The Role of the Scientific Revolution in European History" (requires an overhead projector); "The History of Science as the Focus of Western History." ■ **Seminars:** "Galileo and Patronage"; "Newton and Christianity." ■ **Dates available:** not available in 1985; by consultation within six months of the expected visit. ■ **Address:** Department of History and Philosophy of Science, 130 Goodbody Hall, Indiana University, Bloomington, IN 47401. ■ **Telephone:** (812) 335-3195 or 335-3622.

Detailed information concerning each of the HSS National Lecturers and the Visiting Historians of Science Program in general may be obtained from Joseph W. Dauben, HSS Coordinator of Programs, Department of History, Herbert H. Lehman College, CUNY, Bedford Park Boulevard West, Bronx, NY 10468; telephone (212) 960-8285 or 8289, or 790-4606 or 4621. Any institution or organization wishing to engage a HSS Lecturer in 1985-1986 is invited to contact either the individual speaker, Joseph Dauben, or Joe D. Burchfield, Chairman, National Committee, HSS Visiting Historians of Science Program, Department of History, Northern Illinois University, DeKalb, IL 60115; telephone (815) 753-0131 or 0672.

Fund Drive

The History of Science Society is proud to list the **Ford Foundation** among the donors to and supporters of its Fund Drive. Earlier lists of donors may be found in the *HSS Newsletter*, April 1984, April 1985, and July 1985.

If you are interested in making a donation to the HSS, you may obtain the brochure "Four Ways of Giving to the History of Science Society" by contacting Gerald Holton, 358 Jefferson Laboratory, Harvard University, Cambridge, MA 02138; telephone (617) 495-4474.

History of Science Society Employment Survey 1983-1984

BY MARTHA ELLEN WEBB
Creighton University

Each year a survey of employment trends in the history of science, technology, and medicine (HSTM) is conducted at the request of the Women's Committee of the History of Science Society. Its purpose is not only to track the success of female historians of science, technology, and medicine (STM) in obtaining employment in their fields during the year 1983-1984, but also to identify current trends in the employment of all historians of STM. Such information may be useful to graduate students in assessing their marketability, as well as to those now on the job market. A preliminary report of the survey's findings was presented to the Women's Committee at the annual meeting in Chicago on 28 December 1984; since then some the figures have been somewhat

modified, upon the receipt of additional information.

This year's survey included a search for positions advertised in the weekly *Chronicle of Higher Education* as well as those listed in the *HSS Newsletter*, the *American Historical Association Perspectives*, the *Society for the History of Technology Newsletter*, and the *Bulletin of the American Association for the History of Medicine*. Those looking for jobs should keep abreast of all of these sources. As the tables show, many positions are advertised in only one or two of these places. The *Chronicle*, being weekly, may list positions approved too late to be placed in the newsletters.

Each of the employers identified in the survey was requested to comment on the

CATEGORY I: History of Science, Technology, and Medicine (HSTM) The Required Area of Expertise

	JOB DESCRIPTION		APPLICANT POOL				SUCCESSFUL CANDIDATE		
	Fields ¹	Background ²	Rank ³	Advt. ⁴	Total	M/F/Min.	Degrees (Ph.D., ABD, Other) ¹	Fields (HSTM, Hist., Not hist.)	Gender ⁵ , Degrees, Date, Fields ⁶
Permanent									
Center for the History of Electrical Engineering	HST	No: Ph.D.	5	5,6	19	17,2,0 ^f	16,1,2	9,3,7	M, Ph.D., 1982, HT
Johns Hopkins University	HT, 3	Broad; NA	2	5	18	17,1,?	15,3,0	18,0,0	M, Ph.D., NA, HT
Texas Tech University	HS	Broad; Ph.D.	2	2,5,6	29	26,3,0	23,6,0	25,4,0	M, Ph.D., 1982, HS
University of Massachusetts	HST	Broad; Ph.D.	2,3,5,6	1,2,3	85	69,16,4 ^f	NA	78,5,2	M, Ph.D., 1972, HST
University of Pennsylvania	HM	NA	2,5	1,2,4	23	14,9,?	11,10,2MD	NA	Not filled
University of Toronto, Position 1	HS	No: Ph.D.	2,3	1,6	14	13,1,NA	11,3,0	unspecified numbers	M, Ph.D., 1981, HS
University of Wisconsin, School of Pharmacy	HM	No: Ph.D.	2,5	1	11	9,2,0	10,1,0	11,0,0	M, Ph.D., 1967, HM
Temporary									
Brown University	HS	Ph.D.	2	1	Unable to contact				
Laser History Project	HS, HT	Ph.D.	5	1	Unable to contact				
NASA, Position 1	HST	Broad; No	NA	1,2,3,6	15 ^f	10 ^f ,5 ^f ,1 ^f	10 ^f ,5 ^f ,0	10 ^f ,5 ^f	M, Ph.D., 1970s, HS
NASA, Position 2	HST	Broad; No	NA	1,2,3,6	15 ^f	10 ^f ,5 ^f ,1 ^f	10 ^f ,5 ^f ,0	10 ^f ,5 ^f	M, Ph.D., 1980s, HS
NASA, Position 3	HST	Broad; No	NA	1,2,3,6	15 ^f	10 ^f ,5 ^f ,1 ^f	10 ^f ,5 ^f ,0	10 ^f ,5 ^f	F, Ph.D., 1980s, HT
University of Maryland, College Park	HS, HM	No: Ph.D.	2	1	Position unfilled; funding cut				
University of Melbourne, Australia	HS	? Ph.D.	1	1,5	Survey unanswered				
University of Toronto, Position 2	HS	No: Ph.D.	1,2	1,6	19	18,1,?	16,3,0	10,3,6	M, Ph.D., 1975, HS, H
University of Wisconsin	HS	No: No	6	1	2	1,1,0	0,2,0	2,0,0	M, ABD, HS

Oct. 85

requirements and duties of the position, the characteristics and expertise of the applicant pool, and the sex and qualifications of the successful candidate (see tables). From the replies of the participating institutions, the following picture of the employment situation in HSTM in 1983-1984 has been constructed.

Advertisements for 48 positions in HSTM were noted in the May 1983 through April 1984 period; however, information was received on only 42 of them. Of this base of 42 positions, 31% required HSTM as the candidates' area of expertise (Category I on the following tables), 40% desired HSTM as one of several required areas of expertise (Category II), and 29% mentioned HSTM as a possible area of expertise (Category III). Of the base of 42, 62% were permanent positions, as against 50% of those requiring expertise in HSTM (Category I and II); 71% of the 42 were academic teaching positions as against 67% of Categories I and II. Thus 33% of the positions that required HSTM as an area of expertise were for curators and directors of libraries, museums, and historical centers or were in research and

writing. Half of the base of 42 required the successful candidate to have a broad historical background, as did 40% of those requiring HSTM as a field of expertise. Finally, 12% of the 42 jobs possibly available in HSTM were cancelled or went unfilled.

As for the candidates, the total number of applications received for the 38 positions about which information was returned on this point was approximately 1,522, approximately 689 of them for 29 positions in Categories I and II. Ultimately, 37 persons received employment in all categories; 26 were hired in positions requiring HSTM. Candidates classified by their employers as experts in HSTM were given 68% of the positions in all three categories. As would be expected, a higher percentage (85%) of the jobs requiring expertise in HSTM went to experts in the field. Moreover, HSTM specialists successfully captured 27% of the jobs in Category III (HSTM a possible area of expertise). These candidates were described by their employers as possessing expertise in some field of history in addition to HSTM. Twelve percent of the total

number of HSTM specialists who got jobs described in this survey obtained them in Category III. Therefore, graduate students and other job hunters would be wise not to ignore this type of job opportunity. As for the successful candidates' level of education, Ph.D.s (89%) far exceed ABDs (8%). Ph.D.s won 88% of positions requiring HSTM; ABDs, 12%. The sex of the applicant appears to have had an impact on success in the job market. Women, who constituted about 19% (282) of the pool of the jobs on which we have this information (34), secured 16% (6) of all jobs filled (37); and 12% (3) of the academic teaching positions (24). Of the 37 successful candidates, only one was listed as a minority candidate.

Finally, interviewers were requested to assess the general quality and the suitability of training of the applicant pool. The most continuous theme running through the comments was an indictment of overly narrow and specialized training. Several schools sought a candidate with "both an adequate science background and competency in" the requisite field of HSTM. Another desired a blend of philos-

KEY TO TABLES (CATEGORY III ON PAGE 8)

- NA = Not answered by respondent
- ? = Information unknown
- ¹Areas of Expertise:
 - 1 European intellectual history
 - 2 U.S. history
 - 3 Business history
 - 4 History
 - 5 Medicine
 - 6 Philosophy of science
 - 7 Science
 - 8 Western civilization
 - 9 Museum curatorship
 - 10 Cultural history
 - 11 Social history
 - 12 Methodology
 - 13 European history
 - 14 Non-Western history
 - 15 Women's history
 - 16 Technology and social issues
 - 17 Economic history
 - 18 War and society
 - 19 Sociology of science
 - 20 Library science
- ²Background
 - Broad = broad historical background required
 - Ph.D. = Ph.D. required
 - No = condition not required
- ³Rank
 - 1 Instructor/Lecturer
 - 2 Assistant Professor
 - 3 Associate Professor
 - 4 Professor
 - 5 Other
 - 6 Open
 - 7 Distinguished Professor

CATEGORY II: HSTM One Area of Required Expertise

JOB DESCRIPTION	APPLICANT POOL				SUCCESSFUL CANDIDATE				
	Fields ¹	Background ²	Rank ³	Advt. ⁴	Total	M,F,Min.	Degrees (Ph.D., ABD,Other)	Fields (HSTM,Hist., Not hist.)	Gender ⁵ ,Degrees/Date,Fields ⁶
Permanent									
Alabama Mining Institute	HT, 4, 9	}; No	5	2	Survey unanswered				
Center for History of Chemistry	HS, 7	No; Ph.D.	5	5	6	5,1,0	5,0,1	4,0,2	M, Ph.D., 1981, HS
National Air & Space Museum, Position 2	HST, 9	No; No	5	1,2,3, 5,6	9	9,0,7	7,2,0	0,7,2	M, Ph.D., 1975, S
National Library of Medicine	HSM, 20	Broad; Ph.D.	5	1,3,6	31	15,16,NA	21,13,9	8,13,9 ¹	M, Ph.D., 1976, HS
Northern Arizona University	HST, 1	NA; Ph.D.	2	2,5	47	44,3,5	40,7,0	47,0,0	Position unfilled; funding cut
University of California, Davis	HS, 6, 7	No; Ph.D.	6	1,6	88	79,9,NA	Most,NA, NA	unspec. no. HSTM	M, Ph.D., NA, HS, PS
University of Dayton	HST, 3	Broad; Ph.D.	22,6	20	19,1,7	15,5,0	11,9,0	M, Ph.D., 1983, HS	
University of Pittsburgh	HS, 6	NA; Ph.D.	6	1	60 ²	NA	90% Ph.D.s	NA	M, Ph.D., NA, HST
Wake Forest University	HS, 6	No; Ph.D.	7	5,6	24	20,40,1	24,0,0	20,0,2	M, Ph.D., 1957, PS
Temporary									
Bard College	HSTM, 13	No; Ph.D.	6	5,6	64	22,42,NA	Unspecified nos.	NA	F, Ph.D., 1962, EUR
East Carolina University	HST	Broad; Ph.D.	2	1,5	12	8,4,NA	11,1,0	10,2,0	M, Ph.D., 1979, HT
Fraunces Tavern Museum	HTM, 2	Broad; No	5	1,2,3	11	6,5,NA	5,3,3	4,5,2	F, Ph.D., 1983, HM not filled; funds cut
Iowa State University	HST, 2	Broad; No	6	5	12	9,3,1	8,3,1MA	2,9,1	M, ABD, HT, US
National Air & Space Museum, Position 1	HT, 9	NA; No	5	1,2,3, 5,6	15	13,2,NA	Not answered; position cancelled; no qualified candidate		
Science College, Concordia University	HS, 6	NA; Ph.D.	1	1,6	4 ¹	4,0,1	4,0,0	0,0,4 ¹	M, Ph.D., 1, S
University of Maine	HS	No; Ph.D.	2	2	30 ¹	24,6,1	25,5,0	25,5,1	M, Ph.D., 1981, HST
University of Minnesota	HM, 4, 5	Broad; No	5	1,4,6	6	4,2,NA	5,1,0	4,2	F, ABD, HM
Vanderbilt University	HS, 6	No; No	2	1,2,5	15	13,2,1	mostly Ph.D.s	NA	M, Ph.D., 1984, HS

ophy, science, and history. The most numerous group felt that "candidates generally lacked the broad background in history that was deemed essential to meet curricular needs of a small department." Two respondents mentioned as crucial the candidates' ability to teach Western Civilization. The opinion that candidates should "have as much breadth as possible, especially if they plan to teach at a small school," was obviously shared by many employers. Thus what one chairperson called "flexibility" may be emerging as a key to success in the job market.

When this 1983-1984 HSTM market analysis is compared to the markets of 1982-1983 and 1981-1982, some general trends become evident. The number of positions declined from 53 in 1981-1982 to 43 in 1982-1983 but rose to 48 in 1983-1984. (This increase may be due to the increase in media sources consulted this year, however.) The number of positions specifying HSTM as a required area of expertise decreased by one third in 1982-1983, but since that time has increased markedly. Furthermore, the last three surveys indicate a steady decrease in the percentage of permanent positions possibly available in HSTM, as well as a steady decrease in the percentage of permanent positions that require HSTM as

an area of expertise. The percentage of academic teaching positions, however, has increased over the last three years in all categories. In Categories I and II, the percentage of academic jobs has remained steady.

Comparison of the last three surveys also reveals changes in candidate success. Historians of science, technology, and medicine have secured increasingly larger percentages of all jobs possibly available to them (from 51% in 1981-1982 to 68% in 1983-1984), and they have maintained a high rate of success in capturing positions that require expertise in HSTM. They have also markedly increased the percentage of positions open to them in Category III that they actually obtain (from 10% in 1981-1982 to 27% in 1983-1984). Finally, after holding steady in 1981-1983, the percentage of jobs awarded to women in all three categories declined in 1983-1984; though the percentage of women in the pool declined somewhat also. There has also been a steady decline in the percentage of females hired in Categories I and II from 1981 to 1984.

I would like to express my appreciation to those chairpersons, deans, and directors who took the time to respond to my questionnaire, and to the Creighton University Department of History for its financial and secretarial support.

Opinion leaders stress history of science



Edward Jefferson,
Chairman of Du Pont,
at CHOC Conference

"Science and technology have had such a large role in shaping our society that we cannot expect to understand our world without study of the history of science," declared **Edward G. Jefferson, Chairman of E. I. du Pont de Nemours & Co.**, in a speech at the Corporate History Conference of the Center for History of Chemistry held in Philadelphia last May. "History is an indispensable resource for the advance of society, and its importance is one of our shared humanist values. . . . The idea of history as primarily political history is giving way to a broader view of the subject in which the history of science and technology is treated as an essential element. . . . The history of science and technology is a rapidly growing field. Its potential is so important in an advanced technological society that the National Endowment for the Humanities recently suggested that a course in the history of science and technology be a compulsory element of a liberal education. . . . There is, I believe, a widening interest in the history of science. There exists an opportunity to have the story of our science told and assimilated by the next generation so that it becomes part of their world view."

And in a speech at the University of Uppsala reported in the *History of Science Newsletter of Sweden*, **Kerstin Niblaeus, the Swedish Undersecretary of State for Research**, underlined the growing role of history in the scientific context. "In our society, increasingly dependent on science—for good or bad—we have to apply a historic perspective in order to understand the role of science, its preconditions and its effect. The ordinary citizen, the politician and the decision-maker all need that kind of comprehensive overview which the history of learning and science can produce. . . . Internationally speaking, the history of science is gaining ground. From a modest start at the turn of this century the discipline has expanded rapidly, particularly after the Second World War and has also had an impact on other disciplines."

CATEGORY III: HSTM Possible Area of Expertise

	JOB DESCRIPTION			APPLICANT POOL					SUCCESSFUL CANDIDATE
	Fields ¹	Background ²	Rank ³	Advt. ⁴	Total	M,F,Min.	Degrees (Ph.D., ABD, Other)	Fields (HSTM, Hist., Not hist.)	
Permanent									
Boston University	HS, 1, 10, 11	Broad; Ph.D.	2	5	43	31,12,NA	NA	a few HSTM	M, Ph.D., 1980, HS, H
Cornell University	HS, 1, 13	Ph.D.	2	1,2,5	Survey unanswered				
Lynchburg College	HT, 2, 3, 8, 11, 12	Broad; Ph.D.	2	5	50	40,10,?	45,5,NA	10,40,0	M, D.A., 1984, H
Marycrest College	HST, 13, 14, 15	Broad; Ph.D.	2	2,6	101	85,16,?	all Ph.D.s	all Hist.	M, Ph.D., 1981, H
Michigan Tech. University	HT, 16	No; Ph.D.	6	1,3	40	38,2,?	38,2,0	5,1,34	M, Ph.D., 1980, O
Princeton University	HST, 16	No; Ph.D.	2	2,6	300*	280,20,?	180,100,20	20,NA,280	M, Ph.D., 1979, S
Skidmore College	HS, 1, 11, 13	Broad; No	2	2,5	112	91,22,?	NA	NA	M, Ph.D., 1982, H
Smithsonian Institution	HSTM, many	Broad; Ph.D.	5	1					
University of New Haven	HST, 13	Broad; Ph.D.	2	2	Survey unanswered				
University of North Carolina, Charlotte	HST, 17, 18	Broad; Ph.D.	2	5	NA*	NA,NA,0	11,1,NA	11,1,NA	M, Ph.D., 1980, H
University of Pennsylvania	HT, 10	Broad; Ph.D.	2, 3	1	109	66,43,1	NA	NA	F, Ph.D., 1984, H
University of Virginia	HS, 8	Broad; NA	2	2	65	52,12,?	60,5,0	40,25,0	M, Ph.D., 1982, HS, H
Virginia Polytechnic Inst. and State University	HS, 19	NA; Ph.D.	6	5	NA	NA,NA,0	NA	20%,0,80%	Position cancelled
Temporary									
Center for History of Chemistry	HST, 4, 20	Broad; No	5	1,5,6	13	9,4,0	1,3,9	1,11,1	F, Other degree, HS, O

HS PROGRAMS

The **Department of History and Philosophy of the Health Sciences, University of California, San Francisco**, announces the reestablishment of its program of graduate education in the history of the health sciences leading to both the M.A. and Ph.D. degrees. Fields of study include the intellectual and social history of medicine and other health professions. Areas of special interest to the faculty include the history of disease, Latin American and modern European medicine, the history of neurology, of nursing, and of physiology. Departmental offerings may be supplemented with courses given by the History Department on the Berkeley campus and at Stanford University. Fellowships are available. Applications for the academic year 1986-1987 must be received at the Graduate School Admissions Office no later than **15 February 1986**. For further information, write to Guenter B. Risse, Chair, Department of History and Philosophy of the Health Sciences, School of Medicine, University of California, San Francisco, U 464, San Francisco, CA 94143.

The **Center for the History of Microbiology** was established on 4 June 1985 by an agreement between the **University of Maryland, Baltimore County**, and the **American Society for Microbiology (ASM)**. The Center will be a part of the ASM Archives located in the Albin O. Kuhn Library and Gallery at the university. Its primary purpose will be to preserve historical materials relating to microbiology. The ASM also hopes to promote the study of microbiological history through the center by making historical materials easily accessible to qualified users, fostering an increased awareness of the impact of microbiology upon society, and developing educational materials related to the history of microbiology. Donald E. Shay will serve as the director. The ASM and the university will appoint advisory boards composed of distinguished microbiologists, industrialists, and scientific historians to provide advice on goals and programs. For further information, contact the director at the Center, 205 Hilltop Road, Linthicum, MD 21090; telephone (301) 859-5434.

The inaugural meeting of the **Construction History Group** was held at University College, London, on 29 June 1983. Fur-

ther information and a copy of the current Newsletter can be obtained from Peter Harlow, The Construction History Group Secretary, c/o The Chartered Institute of Building, Englemere, Kings Ride, Ascot, Berkshire SL5 8BJ, England.

The **Sidney M. Edelstein Library** and the **Sidney M. Edelstein Center for the History and Philosophy of Science, Technology, and Medicine** were officially opened on 9 June 1985 at the **Hebrew University of Jerusalem**. The opening ceremonies were followed by a dinner in honor of Sidney M. Edelstein and by an international symposium the next day. Lectures were delivered by Allen G. Debus, U.S.A. ("Chemists, Physicians and Mystics: The Other Side of the Scientific Revolution"), Mara Beller, Israel ("The Quantum Revolution: A Psychosocial Perspective"), Yehuda Elkana, Israel ("Ernst Cassirer in the Warburg Library"), Arnold Thackray, U.S.A. ("The Historian's Calling in the Age of Science") and Timothy Lenoir, U.S.A. ("Science for the Clinic: Carl Ludwig and the Institutional Revolution in German Science"). The premises provided by Hebrew University for the library and center make it possible to accommodate three to four scholars working there

and to bring together all the special collections on the history of science: the Sidney M. Edelstein Collection (history of chemistry and chemical technology), the Harry K. Friedenwald Collection (history of medicine), the Morris Cohen Collection (history and philosophy of science and technology), the Albert Einstein Archives, and the Hebrew University Faculty of Sciences Collection (history and philosophy of science). These new facilities and the postdoctoral fellowships provided by the center for young scholars are expected to contribute greatly to the development of the field in Jerusalem and elsewhere.

The **University of Ghent, Belgium**, has approved a proposal for a **George Sarton Chair** in the history of science.

The joint **Smithsonian Institution/West Virginia University Project in the History of Science and Technology** was established in 1984 to explore new methods and perspectives in the history of science and technology during the Industrial Revolution. A major emphasis of the project has been the use of the material-culture approach in research and interpretation. In its first year the program held two seminars at the National Museum of American



Left: Sidney Edelstein speaks to Timothy Lenoir
Right: Joseph Ben David and Arnold Thackray.
Below: Sidney Edelstein (left), Allen Debus



(second from left), and Mara Beller (right) listening to one of the presentations.



History in Washington and a workshop at West Virginia University in Morgantown. Beginning in the fall of 1985 the program will sponsor seminars of leading scholars to present case studies relating to the "big questions" in the history of science and technology. For further information, contact Emory Kemp, Program in History of Science and Technology, West Virginia University, G-14 Woodburn Hall, Morgantown, WV 26506.

The **Society for Literature and Science (SLS)**, a new interdisciplinary research organization, was inaugurated at the University of California, Berkeley, on 7 August 1985 at the XVIIth International Congress of History of Science. Ceremonies instituting the new society culminated the Symposium on Science, Literature, and the Imagination, presided over by G. S. Rousseau (University of California, Berkeley) and Erwin Hiebert (Harvard University), President of the International Union of History and Philosophy of Science. SLS welcomes colleagues in science, engineering, computer science, medicine, history and philosophy of science, the social sciences, the humanities, and the arts. Annual dues are \$15. Members will receive a newsletter, the first issue of which will review congress proceedings of interest. Subsequent issues

will include news items, brief reports, and the annual bibliography "Relations of Science and Literature." For information on SLS and its activities, contact the society's president, Lance Schachterle, Chair, Division of Interdisciplinary Affairs, Worcester Polytechnic Institute, Worcester MA 01609; telephone (617) 793-5514.

The **Spanish Society of History of Sciences (SEHC: Sociedad Española de Historia de las Ciencias)** was organized in 1974 and incorporated in 1976. SEHC now has about 270 members throughout Spain, including historians, mathematicians, physicians, physicists, chemists, biologists, philosophers, social scientists, humanists, and engineers. Three congresses (Madrid, 1978; Jaca, 1982; and San Sebastián, 1984) and several symposia on a number of themes related to history of science have been held so far. During the last General Assembly meeting in October 1984 a new Executive Council was elected. Its members are Mariano Hormigón (Univ. Zaragoza), President; Javier Echeverría (Univ. País Vasco), Vice-President; Olegario Negrín (UNED Madrid), Secretary; Andrés Galera (Univ. Complutense Madrid), Treasurer; and Mariano Esteban (Univ. Valladolid), Carlos López (Univ. Murcia), and Antonio Ten

(Univ. Valencia). The society has published twelve issues of the journal *Llull* edited by Mariano Hormigón and the proceedings of the first two congresses in Madrid (1980) and Jaca (1984, three volumes). The proceedings of the third congress of the SEHC will appear within a year. For more information, contact Javier Echeverría, SEHC, Vicepresidencia, Facultad de Filosofía y Ciencias de la Educación, Apartado 1.249, 20080-San Sebastián, Spain.

The **Virginia Polytechnic Institute and State University** graduate program in **Science and Technology Studies (STS)** will accept its first students for the fall of 1986. The program offers an interdisciplinary perspective on science and its social impact and is supported primarily by the Center for the Study of Science in Society and the Departments of History, Philosophy, and Sociology. Current areas of faculty research interest include scientific and technological change, foundations of biology, key periods in the history of science, and twentieth-century science and technology. A limited number of graduate assistantships will be available on a competitive basis. For additional information, contact Director, Science and Technology Studies, Price House, Virginia Tech, Blacksburg, VA 24061.

FELLOWSHIPS & GRANTS

The **American Schools of Oriental Research** offer over \$170,000 in research, study, and travel grants for the 1986-1987 academic year and the summer of 1986. Awards offer opportunities for humanistic study in the Middle East from prehistoric through Islamic times to undergraduates, graduate students, seminarians, and post-doctoral scholars. Application deadline for most awards is **1 November 1985**. For details and application information, write Coordinator of Academic Programs, American Schools of Oriental Research, 4243 Spruce Street, Philadelphia, PA 19104; telephone (215) 222-4643.

The **Arizona Center for Medieval and Renaissance Studies** offers a postdoctoral fellowship for fall 1986 in the history of medieval or Renaissance science and tech-

nology. The stipend is \$18,000 per year, renewable for a maximum of three years. Duties include consulting on grants and teaching two courses annually. Applications are due by **22 November 1985** and should contain a letter of introduction, curriculum vitae, two letters of recommendation, a one-page abstract of the doctoral dissertation, and a brief description of a medieval or Renaissance event illustrating a concept from basic science and the interrelationship of technology and human needs. **Interviews may be arranged at the HSS annual meeting in Bloomington, 30 October-2 November 1985.** Contact Jeanie R. Brink, Director, Arizona Center for Medieval and Renaissance Studies, Arizona State University, Tempe, AZ 85287; telephone (602) 965-5900.

The **Center for History of Physics** of the **American Institute of Physics** will award grants-in-aid of up to \$1,000 for research in the history of nineteenth- and twentieth-century physics and astronomy and their social interactions. Grants can be used only to reimburse direct expenses connected with work in these fields. Preference will be given to those who need funds for travel to New York City to use the resources of the Center's Niels Bohr Library or to microfilm papers or conduct tape-recorded oral history interviews. Applicants should either be pursuing a graduate degree in the history of science or show a record of publication in the field. To apply, send a curriculum vitae, a two-page letter describing the proposed research project, and a brief budget of the expenses for which support is requested to Spencer Weart, Center for History of Physics, American Institute of Physics, 335 East Forty-Fifth Street, New York, NY 10017 by **1 December 1985**.

AWARDS, HONORS & APPOINTMENTS

Finn Aaserud has been appointed Associate Historian at the American Institute of Physics in New York City.

Simon Baatz has been appointed to the position of Historian at the New York Academy of Sciences.

John Beatty has been appointed Associate Professor of the History of Science and Technology at the University of Minnesota.

Merriley Borell, Resource Development Coordinator at the Bakken Library of Electricity in Life, has been awarded a National Science Foundation Visiting Assistant Professorship in the Department of History of Science at Harvard University for the academic year 1985-1986. She plans to continue her research in instrumentation and the rise of modern physiology.

John K. Crellin of Duke University has been named the second Fischelis Scholar by the American Institute of the History of Pharmacy. He will study historical perspectives on pharmacists' attitudes toward herbal remedies.

Leland L. Estes has been appointed Assistant Professor in the Department of History, Chapman College, Orange, California, for September 1985 and will teach the history of science and medicine. He received a Ph.D. in the history of science from the University of Chicago in August 1985.

Alan Gabbey, Senior Lecturer and Head of the Department of History and Philosophy of Science, Queen's University, Belfast, Northern Ireland, has been promoted to Reader effective 1 October 1985.

Bruce Hevley, a graduate student in the Department of History of Science at Johns Hopkins University, has been awarded a two-year predoctoral appointment at the Naval Research Laboratory in Virginia.

Bruce Hunt has been appointed Assistant Professor in the Department of History at the University of Texas at Austin.

Naum Kipnis has been appointed Resource Development Coordinator at the Bakken Library of Electricity in Life for the academic year 1985-1986. He will continue his researches on the physical

foundations of electrophysiology between 1830 and 1860 and will develop and implement high school enrichment programs based on the library's historical resources.

Lisa Rosner, a recent graduate of the Department of the History of Science, Johns Hopkins University, has been awarded a Bakken Fellowship for the academic year 1985-1986. Her research will focus on the development of electrotherapeutics from 1840 to 1880.

Martin J. S. Rudwick has been appointed Professor in the Program in History of Science at Princeton University, effective spring term 1986. His latest book, *The Great Devonian Controversy*, has just been published by the University of Chicago Press.

John Scarborough became a member of the faculty of the University of Wisconsin-Madison effective 1 July 1985 and will assume the duties of Director of the American Institute of the History of Pharmacy in January 1986.

Stuart S. Shapiro, a graduate student in the Program in Applied History and Social Sciences at Carnegie-Mellon University,

Continued on last page

The fifteenth annual **Institute for the Editing of Historical Documents** is scheduled for 15-27 June 1986 in Madison, Wisconsin. Jointly sponsored by the National Historical Publications and Records Commission (NHPRC), the State Historical Society of Wisconsin, and the University of Wisconsin, the institute will provide detailed theoretical and practical instruction in documentary editing. Applicants should hold a master's degree in history, history of science, or American civilization. A limited number of tuition and travel grants are available. Further information and application forms are available from the NHPRC, Room 300, National Archives Building, Washington, DC 20408; telephone (202) 523-3092. Application deadline is **15 March 1986**.

The **NASA History Office** will continue to consider proposals to prepare individual volumes for the New Series in NASA

history twice annually. Deadlines are **1 January** and **1 June**. NASA may provide eighteen months to two years of support for research and writing and associated expenses to qualified historians having well-conceived and well-developed proposals for book-length manuscripts on appropriate themes. The New Series is designed to place NASA's programs in broad historical contexts and should be attractive to nonspecialist as well as academic audiences. Proposals will be funded on the basis of merit and available funds. Contact the NASA History Office, NASA Headquarters, Washington, DC 20546.

The **National Library of Medicine** (NLM) will select one United States citizen for its 1986-1987 Visiting Historical Scholars Program, to spend from six to twelve months during the period 1 September 1986-31 August 1987 at the History of Medicine Division. Applicants may be health professionals, historians, librarians,

scientists, or other professionals at mid-career or senior level and must have had extensive training or experience in medical history or a related field, together with a demonstrated record of productivity in pertinent historical scholarship of a high level. Financial remuneration will be commensurate with current salary level but not higher than GS-15 (\$52,262-\$67,940), together with certain fringe benefits. Completed applications must be received on or before **1 February 1986**. Obtain forms from the Chief, History of Medicine Division, NLM, 8600 Rockville Pike, Bethesda, MD 20229; telephone (301) 496-5405.

The **National Science Foundation Division of Social and Economic Sciences** has changed its target dates for the submission of proposals in the History and Philosophy of Science and Sociology programs, among others. Proposals should reach the NSF by **15 August** for funds needed in or after

POSITIONS

The **University of Cincinnati** seeks to fill a tenure-track assistant professorship in chemical education and the history of chemistry to begin in the 1986-1987 academic year. Duties will include commitment to the nonmajors' first-year chemistry course, teaching a course in the history of chemistry, and scholarship in the history of chemistry or chemical education. A Ph.D. is required. Applications and three letters of recommendation should be sent by **15 November 1985** to John J. Alexander, Chairman, Search Committee, Department of Chemistry, University of Cincinnati, Cincinnati OH 45221-0172. AA/EOE.

The **Thomas A. Edison Papers** will hire an editorial assistant for 10-12 weeks in the summer of 1986. The assistant will work with senior professional staff in preparing materials for the microfilm and book editions of the Edison Papers. Requirements include a background and interest in the history of science, technology, and business in the era of Edison. To apply, contact Thomas A. Edison Papers, Van Dyck Hall, Rutgers, The State University,

New Brunswick, NJ 08903, by **1 February 1986**. AA/EOE.

The **University of Geneva**, Switzerland, has an opening at the rank of full professor in the field of history and philosophy of science. Excellence in teaching and evidence of scholarly eminence are requirements for appointment. The successful candidate is expected to teach at undergraduate and graduate levels and to create and lead a research group. Teaching in French is required, but a one-year period of adjustment can be granted. The position is formally available 1 October 1986, negotiable. Applications and inquiries should be sent by **30 November 1985** to the Secrétariat de la Faculté des Sciences, Université de Genève, 20 quai Ernest Ansermet, CH-1211 Geneva 4, Switzerland.

The **University of North Carolina, Chapel Hill**, History Department invites applications for a tenure-track assistant professorship in modern European intellectual history, beginning 1 July 1986. Responsibilities will include both graduate and undergraduate instruction in nineteenth- and twentieth-century European thought and regular teaching in one or more of the department's survey courses. Candidates must have the Ph.D. by 1 July 1986 and

demonstrate promise of excellence in both scholarship and teaching. Letters of application, including a curriculum vitae, academic transcripts, and at least three letters of reference, should be sent to the Chairman of the Search Committee, Richard A. Soloway, Department of History, The University of North Carolina, Hamilton Hall 070A, Chapel Hill, NC 27515, by **1 December 1985**. AA/EOE.

Purdue University is seeking applicants for the newly created position of Distinguished Professor in the History of Science and Technology. Candidates should have substantial publications and a national or international reputation. For information contact Professor John J. Contreni, Department of History, University Hall, Purdue University, West Lafayette, IN 47907. Nominations will be accepted until **15 November 1985**, or until the position is filled.

Villanova University invites applicants for a tenure-track entry level assistant professorship in the history of science and technology (European emphasis preferred) starting in late August 1986. Requirements include a Ph.D. by 1 June 1986, strong scholarly potential, and superior teaching ability. The salary will be in the mid-\$20,000 range and duties will include

December and by **1 January** for funds needed in or after July.

The **University of Pennsylvania** announces **Mellon Postdoctoral Fellowships in the Humanities** for younger scholars who will have held the Ph.D. for not fewer than three nor more than eight years by 30 September 1986. Research proposals are invited in all areas of humanistic studies. Special consideration will be given to applications that are interdisciplinary or do not fit into normal academic programs and to candidates who have not previously utilized the university's resources. The annual stipend is \$18,500. For further information and applications, write to Saul Morson, Chairman, Humanities Coordinating Committee, 16 College Hall/CO, University of Pennsylvania, Philadelphia, PA 19104. Completed applications must be received no later than **1 December 1985**. AA/EOE.

The **Rockefeller Archive Center of Rockefeller University** awards grants of not more than \$1,500 to graduate students or postdoctoral scholars engaged in projects that require use of the holdings at the Center. Grant size depends upon the applicant's travel, temporary lodging, and research expenses. Applications for 1986 must be received by **31 December 1985**. Address inquiries and requests for application forms to Director, Rockefeller Archive Center, Pocantico Hills, North Tarrytown, NY 10591.

The 1986-1987 **Rockefeller Foundation Humanities Fellowships** will be offered as residencies at host institutions chosen for their support of emerging fields in which important work is being done. Host institutions select scholars, supply fellowship stipends, encourage interaction between their permanent experts and the visiting scholars, and make resources available in their specialized areas of research. Resi-

dency fellowships are meant to serve scholars who are testing disciplinary boundaries or moving into new fields of inquiry within the humanities. Complete information about eligibility, stipends, procedures for application, and deadlines are available directly from current host institutions, which include the Francis C. Wood Institute for the History of Medicine (see below). Applications to become host institutions are invited from academic programs, libraries, museums, and arts organizations with resources valuable to emerging fields of the humanities. Proposals are due **31 January 1986**. For further information, write to Residency Program in the Humanities, Rockefeller Foundation, Arts and Humanities Division, 1133 Avenue of the Americas, New York, NY 10036.

Villa I Tatti: The Harvard University Center for Italian Renaissance Studies, Florence, Italy, will award ten or more

teaching introductory survey courses in Western civilization as well as upper division and graduate courses in the history of science and technology and other fields of expertise. Send transcript, vita, three letters of recommendation, and a sample of any published work to Raymond Cummings, Chair, Science and Technology Search Committee, Department of History, Villanova University, Villanova, PA 19085, postmarked by **2 December 1985**. Some applicants will be selected for interviews at the American Historical Association's meeting in late December in New York City.

The **University of Wollongong Department of History and Philosophy of Science** has two openings for lecturers in history and philosophy of science. Applicants for either position should have a higher degree and teaching experience. Position 1 also requires demonstrated research interests in one or more of the following areas: Australian studies in science and technology, Australian public policy as applied to contemporary technology, or Australian economic and social history with emphasis on science and technology; or the politics, sociology, and political economy of contemporary technological change. Expertise in the social implications of automation or informa-

tion and communication technology would be an advantage. Candidates for Position 2 must demonstrate research interest in the history and philosophy of science or the social studies of science and technology. Experience in any of the following areas would also be appropriate: social history of science or technology in the nineteenth and twentieth centuries (an attendant background in economic and social history would be an advantage), the sociology of scientific knowledge, economics of technology, or appropriate areas of sociopolitics of science and technology. The duties of both positions will include offering establishing courses and developing new courses at undergraduate and graduate levels and contributing to or developing a strong research program. For more information, contact Department of History and Philosophy of Science, University of Wollongong, Post Office Box 1144, Wollongong, New South Wales 2500, Australia.

LATE POSITION

The **U.S. Department of Energy, History Division**, is recruiting a historian to join its staff **as soon as possible**. For information, send inquiries and vita to Jack M. Holl, Chief Historian, MA-295, U.S. Department of Energy, Washington, DC 20585; telephone (202) 252-5235.

stipendiary fellowships for independent study on any aspect of the Italian Renaissance for the academic year 1986-1987 to scholars of any nationality, normally postdoctoral and in the earlier stages of their careers. For details consult Walter Kaiser, Harvard University, 401 Boylston Hall, Cambridge, MA 02138, by **1 November 1985**.

I Tatti also offers a limited number of nonstipendiary fellowships for scholars working in Florence on Renaissance subjects with support from other sources.

The **Francis C. Wood Institute for the History of Medicine of the College of Physicians of Philadelphia** announces its **Rockefeller Foundation Humanities Residency Program** for 1986-1987. Two grants of \$25,000 each will be awarded to scholars who will spend one year in residence conducting research in the college library and participating in the Wood Institute seminar program. Grants will

not be made for doctoral research. For information and applications, contact Roselind Valentin, Wood Institute, 19 South 22nd Street, Philadelphia, PA 19103; telephone (215) 561-6050.

The abbreviation "AA/EOE" has been used when the hiring or granting institution has indicated that it is an Affirmative Action/Equal Opportunity Employer.

Don't overlook the following fellowships and grants announced in the July 1985 *Newsletter* on page 8: **Fulbright Scholar Awards**, deadlines of **1 November 1985** for Junior Lecturerships, **31 December 1985** for NATO Resident Fellowships, and **1 February 1986** for Seminars in German Civilization Awards, Spain Resident Fellowships, and France and Germany Travel-Only Awards; and **Harvard University Mellon Faculty Fellowships**, deadline of **1 November 1985**.

INTERVIEWS AT BLOOMINGTON

Harvard University invites applicants for a three-year position as Assistant Professor and Head Tutor in the Department of the History of Science effective 1 July 1986, renewable for an additional three years, with the expectation of one half-year leave at full salary. The appointee will be responsible for teaching one course or seminar each term, as well as individual or small group tutorials, and will administer the department's undergraduate tutorial program. Candidates should have completed the Ph.D. degree in any field of interest within the history of science, medicine, or technology by 1 September 1986. Send applications, dossiers (including three letters of recommendation), and appropriate written or published material to Barbara G. Rosenkrantz, Chairman, Department of the History of Science, Harvard University, Science Center 235, Cambridge, MA 02138 by **1 January 1986**. **Prospective candidates may be interviewed at the HSS annual meeting in Bloomington, 31 October-3 November 1985**, and should check at the registration desk for specific information. AA/EOE.

North Carolina State University seeks candidates for a tenure-track assistant professorship in the history of modern science, starting either 1 January or late August 1986. The appointee will teach introductory history courses and upper division courses in history of science. A Ph.D. is required and teaching experience is desired. Send dossiers (including vita, transcripts, and recommendations) **immediately** to Edith Sylla, History of Science Search Committee, Department of History, Box 810B, North Carolina State University, Raleigh, NC 27695-8108. The application deadline is **15 November 1985**. **Interviews will take place at the HSS meeting in Bloomington, 1-3 November 1985**. AA/EOE.

Don't overlook the two openings at **Cornell University** described in the July 1985 *Newsletter*, on p. 6. **L. Pearce Williams will conduct interviews at the HSS annual meeting in Bloomington for the Scientific Revolution position and will discuss the twentieth-century position with those interested.**

CALLS FOR PAPERS

Members of **HSS** are invited to submit proposals for sessions for next year's annual meeting, which will be held jointly with the **Philosophy of Science Association**, the **Society for the Social Studies of Science**, and the **Society for the History of Technology** in Pittsburgh on 23-26 October 1986. Sessions on themes that link the interests of the four participating societies are especially welcome. Send proposals by **1 February 1986** to Lorraine Daston and Michael Mahoney, Program Chairmen, Program in History of Science, 220 Palmer Hall, Princeton University, Princeton, NJ 08544; telephone (609) 452-4127.

The **American Association for the Advancement of Science (AAAS)** will hold its 152nd National Meeting on 25-30 May 1986 in Philadelphia. AAAS-affiliated societies that wish to develop a session of technical contributed papers in their field (either in the poster or slide format) should send abstracts of these papers to the AAAS (with a copy to the appropriate section secretary) and, in the case of slide sessions, the name and title of the person who will preside at the session **before 25**

December 1985. Contact the AAAS Exhibit Manager, Claire Cirolia, for information about affiliate tables and booths. Organizations that would like to meet simultaneously should contact the AAAS Meetings Manager, Elisabeth Zeutschel. The AAAS's new offices are at 1333 H Street, N.W., Washington, DC 20005; telephone (202) 326-6400.

Cheiron: The International Society for the History of Behavioral and Social Sciences has issued a call for papers for its eighteenth annual meeting on 11-14 June 1986 at the University of Guelph, Ontario. Papers on the history of the behavioral and social sciences or historiographical and methodological issues and suggestions for symposia and other special sessions are invited. Five copies of completed papers (not more than seven pages of double-spaced text plus references, tables, and so forth) should be submitted by **15 January 1986** to Harry Hurwitz and Ian Lubek, Department of Psychology, University of Guelph, Guelph, Ontario, Canada N1G 2K8; telephone (519) 824-4120. Those residing outside North America should submit three copies to Ian Lubek, 2 rue Jules Breton, 75013 Paris, France; telephone (1)337-47-80, with two copies to Harry Hurwitz at the above address. Graduate

student travel awards may be available to help defray travel costs for students whose papers are selected for inclusion in the program.

Anyone interested in a symposium on the **history of American livestock**, which would bring historians and animal scientists together to consider the traditions of husbandry, the impact of science, the social structure, genetics, the resource base, and the future of livestock for several species, should contact R. L. Willham, Animal Science Department, Iowa State University, Ames, IA 50011.

The **Institute for the History of Arabic Science** is preparing for its fourth symposium to be held in 1987 and welcomes all suggestions. Address correspondence to University of Aleppo, Institute for the History of Arabic Science, Aleppo, Syria.

Papers are invited for the Fifteenth Annual Meeting of the **International Society for the Comparative Study of Civilizations** on 29-31 May 1986 at the College of Santa Fe, Santa Fe, New Mexico. Send five copies of a one-page abstract by **15 November 1985** to Vytautas Kavolis, Program Chairman, ISCSC 1986, Department of Sociology, Dickinson College, Carlisle, PA 17013.

MEETINGS

The **American Society of Zoologists (ASZ) Division of History and Philosophy of Biology** is sponsoring a symposium entitled "The Role of Johns Hopkins University in the Development of Experimental and Quantitative Biology in America" at the ASZ meeting on 27-30 December 1985 in Baltimore. The keynote speaker will be James Ebert (Carnegie Institution). Other participants will include Keith Benson, Sharon Kingsland, Jane Maienschein, and Phillip Pauly. Members of the ASZ will also present papers on the history or philosophy of biology. For further information, contact J. W. Atkinson, Department of Natural Science, Michigan State University, East Lansing, MI 48824; telephone (517) 353-2269.

The **American Studies Association** will hold its Tenth Biennial Convention in San Diego at the Bahia Hotel on 31 October-3 November 1985. The theme of the convention is "Boundaries of American Culture." A preview program containing registration, hotel, and flight information is available from the American Studies Association, 307 College Hall/CO, University of Pennsylvania, Philadelphia, PA 19104; telephone (215) 898-5408.

On 11-13 April 1986 the **British Society for the History of Science** and the **British Society for the History of Philosophy** are jointly sponsoring a meeting at Churchill College, Cambridge, on the relation between the history of science and the history of philosophy. The aim of the meeting is to explore the interaction between natural sciences and philosophical issues in the periods of the Scientific Revolution and the second scientific revolution of the nineteenth century. For fur-

ther details, contact Simon Schaffer, Department of History and Philosophy of Science, Cambridge University, Cambridge CB2 3RH, England.

The **Canadian Science and Technology Historical Association** is sponsoring the Fourth Kingston Conference to be held 25-27 October 1985 at the Donald Gordon Centre, Queen's University, Kingston, Ontario. The conference will feature a film festival and paper sessions devoted to topics in the history of Canadian science, technology, and medicine, including research and development, fisheries, museum historical research, domestic technology, nineteenth-century studies, public health, historiography, military technology, and the National Research Council. For program and registration information, write to A. W. Tickner, Senior Archival Officer, National Research Council, Ottawa, Ontario K1A 0R6, Canada.

The next meeting of the **Joint Atlantic Seminar in the History of Biology** will be at the University of Maryland, College Park, on 25–26 April 1986. Those who wish to present a paper should send a title and abstract by **1 March 1986** to Lindley Darden, Committee on the History and Philosophy of Science, 1131 Skinner Hall, University of Maryland, College Park, MD 20742. Graduate students are especially encouraged to submit papers. Those wishing to attend the conference should register by 1 April 1986.

The **University of Maryland** and the **Smithsonian Institution** are planning an international conference to commemorate the 300th anniversary of the publication of Isaac Newton's *Philosophia Naturalis Principia Mathematica*, to be held in the spring of 1987 in College Park, Maryland, and Washington, D.C. In addition to invited papers, there will be one session of contributed research papers selected from those submitted. Some funds for travel expenses may be available. For more information, contact Stephen Brush, IPST, University of Maryland, College Park, MD 20742.

The **Midwest Junto for the History of Science** will hold its annual meeting at John Carroll University in Cleveland,

Ohio, on 6–8 March 1986. Since John Carroll will be celebrating its centennial in 1985–1986, any papers dealing with centennial themes in the various areas of the history of science will be welcomed. For further information, contact Ernest G. Spittler, John Carroll University, Department of Chemistry, University Heights, Cleveland, OH 44118; telephone (216) 397-4241.

The **Seventh Berkshire Conference on the History of Women** will be held on 19–21 June 1987 at Wellesley College, Wellesley, Massachusetts. Send proposals either to Dorothy O. Helly (topics other than the United States), Women's Studies Program, Hunter College, 695 Park Avenue, New York, NY 10021, or to Susan Reverby (U.S. topics), Women's Studies Program, Wellesley College, Wellesley, MA 02181.

The **Society for Literature and Science** plans its first conference for 8–11 October 1987 at Worcester Polytechnic Institute (WPI) and the Worcester Marriott Hotel. Proposals for sessions or papers should be sent to Stephen Weininger, Department of Chemistry, WPI, Worcester, MA 01609.

Papers are solicited for presentation at a conference entitled "Testing Theories of Scientific Change," to be held 20–22 Octo-

ber 1986 at **Virginia Polytechnic Institute and State University** in Blacksburg, Virginia. The deadline for submission of abstracts of proposed papers is **15 March 1986**; completed papers will be due no later than **1 September 1986**. All papers will be considered for publication in a collection of essays on the theme of the conference. Transportation from Blacksburg to Pittsburgh on 23 October 1986 will be provided for those who will be attending the joint meetings of the HSS, PSA, SHOT, and 4S. Some financial support for participants will be available. For further information, contact Arthur Donovan or Rachel Laudan, Science Studies Center, Price House, Virginia Tech, Blacksburg, VA 24061; telephone (703) 961-7687.

The **Yarmouk University Faculty of Public Health and Allied Health Sciences**, Irbid-Amman-Jordan, announces its first **International Conference on the History of Arab-Islamic Health Sciences** to be held 4–8 October 1986. The conference will celebrate the 700th anniversary of the physician-therapist-surgeon Ibn al-Quff al-Karakī (1233–1286). Papers are invited in the fields of history and philosophy of public health, medicine, pharmacy, and the allied life sciences. Send abstracts of no less than 400 words as soon as possi-

The **International Astronomical Union for the History of Oriental Astronomy** will hold its 91st Colloquium on 13–16 November 1985 in New Delhi, India. For more information, contact A. K. Bag (Secretary, LOC), Indian National Science Academy, Bahadur Shah Zafar Marg, New Delhi 110002, India.

An international colloquium entitled "**Past and Present Teaching of Chemistry**" will be held in Louvain, Belgium, on 13–15 November 1985 to mark the tercentennial of the foundation of the Royal Chair of Chemistry at the University of Louvain. The history of chemistry, including the historical development of the teaching of chemistry and of chemical research at the University of Louvain, will be discussed during the first two days. The third day will be devoted to actual problems in teaching chemistry. An exhibition will be organized on the history of the chair of chemistry at Louvain and on modern

chemistry. For further information, contact R. Lagrou, Secretariaat "300 Jaar Chemie te Leuven," Departement Scheikunde, Katholieke Universiteit Leuven, Celestijnenlaan, 200 F, B-3030 Leuven, Belgium.

The history of American internal medicine will be examined at the **Second Francis Wood Institute Symposium**, which will be held at the College of Physicians of Philadelphia on 21–22 March 1986. Rosemary Stevens and Paul Beeson will provide keynote addresses for the conference. For information, contact Roselind Valentin, Wood Institute, College of Physicians, 19 South 22nd Street, Philadelphia, PA 19103; telephone (215) 567-4475.

The **Southeastern Nineteenth-Century Studies Association Conference** (SENCOSA) will be held in Memphis, Tennessee, on 10–12 April 1986. Mark Gi-

rouard will be the keynote speaker. For further information, write to Joan Weatherly, SENCOSA Program Chair, Department of English, Memphis State University, Memphis, TN 39152.

A **Symposium on the History of Immunology** will be held in Toronto on 5–6 July 1986 preceding the Sixth Congress of the International Society for Immunology. For further information on the program, registration, and accommodation, contact Pauline M. H. Mazumdar, Hannah Professor of the History of Medicine, Victoria College, University of Toronto, 73 Queen's Park Crescent, Toronto, Ontario, Canada, M5S 1K7.

Don't overlook the following meeting announced in the July 1985 *Newsletter*, p. 17: the **Ramsbottom Lecture of the Society for the History of Natural History**, Washington, D.C., 14 November 1985.

ble, but no later than 30 November 1985, to Sami K. Hamarneh, Faculty of Public Health, Yarmouk University, Irbid, Jordan. Completed papers (in English) must be received no later than 30 June 1986 to allow ample time for possible publication of the proceedings (for the English language volume) before 4 October 1986.

Periodicals

Ganitā Bhārati, founded in 1979, is a quarterly bulletin issued by the Indian Society for the History of Mathematics covering all aspects of the history of mathematics. The magazine welcomes research papers, articles, books for review, and news items. Annual subscription rate for academic centers is \$50. Address subscriptions and submissions to R. C. Gupta (Editor), Professor of Mathematics, B.I.T., P.O. Mesra, Ranchi 835215, India.

The Harvard University Center for Italian Renaissance Studies, Florence, announces the publication of a new annual journal, **I Tatti Studies: Essays in the Renaissance**, devoted to all those aspects of the Italian Renaissance that the center itself aims to explore, including history and the history of ideas. The style sheet may be obtained from the Editors, I Tatti Studies, Via di Vincigliata 26, 50135 Florence, Italy; telephone (055) 603.251. The prices for Volume I in North America are \$27 (hardback) and \$18 (softback) plus postage and packing.

Volume VII of the **Journal for the History of Arabic Science** (JHAS) is in press and will include selected researches by David A. King and J. L. Berggren. Original papers dealing with the history of Arabic and Islamic science are requested for publication in the JHAS. Address papers to University of Aleppo, Institute for the History of Arabic Science, Aleppo, Syria.

Don't overlook the following calls for papers in the July 1985 *Newsletter*: the Tenth Annual Meeting of the **Midwest Victorian Society** in Cincinnati, 25-26 April 1986, deadline of 15 November 1985; the eleventh annual meeting of the **Social Science History Association** in St. Louis, 16-19 October 1986, deadline of 1 November 1985; and the fifth annual volume in the series **History of Anthropology**, deadline of 31 August 1986.

OSIRIS IS HERE!

- Volume one of the second series of *Osiris*, devoted to *Historical Writing on American Science*, was published in July. Guest - edited by Sally Gregory Kohlstedt and Margaret Rossiter, volume one presents an unprecedented overview of science and society in the United States. Articles by leading younger scholars in the discipline are devoted to the scientific specialties, to such classical themes as "Institutional History," and "Science and Religion," and "Science and Public Policy Since World War II."
- The second volume of *Osiris* is now at press and will be published on 1 January 1986. This volume will offer an array of important papers capturing themes at the leading edge of research and debate. Among the contributors to the second volume of *Osiris* are David C. Lindberg, writing on "Kepler's and the Neoplatonic Tradition," and Garland E. Allen, focusing on the "The Eugenics Record Office, Cold Spring Harbor."
- If you missed *Osiris* at Berkeley, don't be left in the dark at Bloomington. **Special prices for HSS members: volumes one and two only \$36 (hardcover), \$24 (paperback).** For more information, contact the HSS Publications Office, 215 S. 34th Street/D6, Philadelphia, PA, 19104.

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PUBLICATIONS

The **Contemporary Scientific Archives Centre (CSAC)**, under the guidance of the Royal Society's British National Committee for the History of Science, Medicine and Technology, published catalogues of the papers of the following scientists in 1984: A. J. S. Pippard (civil engineering), A. G. Ogston (physical biochemistry), F. A. L. Cherwell (physics), E. C. Bullard (geophysics), T. N. George (geology), E. A. Milne (mathematics, theoretical astrophysics), and E. G. T. Liddell (physiology). For further information, contact CSAC, 16 Wellington Square, Oxford, OX1 2HY, England; telephone (0865) 55174.

L'Homme et l'Animal: Société de Recherche interdisciplinaire (HASRI), founded in January 1984, has launched a quarterly periodical, *Anthropozoologica*. The journal will serve as an interdisciplinary forum for those who are interested in the history of the relations between human and subhuman creatures. The first issue includes articles on palaeoarctic fauna in the Greco-Roman tradition, zoology and animal history at the end of the Middle Ages, and the relationships between man and animals during the Enlightenment and as seen by the archaeologist. For further information, write to HASRI, Laboratoire d'Anatomie comparée, Muséum national d'Histoire naturelle, 55 rue Buffon, F-75005, Paris, France.

Science & the Human Image examines mankind's role, self-image, and activities as a scientific creature. This 224-page special edition of the University of Michigan cultural journal *Michigan Quarterly Review* is available for \$6 from Michigan Quarterly Review, 3032 Rackham Building, University of Michigan, Ann Arbor, MI 48109.

Science and Profit in Eighteenth-Century London has been published to accompany a special exhibition at the Whipple Museum of the History of Science. It includes essays on the economic context, by Roy Porter; the scientific context, by Jim Bennett; scientific instruments and their public, by Simon Schaffer; and the instrument-making trade, by Olivia Brown. The paperbound volume is available from the museum for £1.50 (£1.65 by post). Order from University of Cambridge, Whipple Museum of the History of Science, Department of History and Philosophy of Science, Free School Lane, Cambridge, CB2 3RH, England; telephone (0223) 358381, ext. no. 360.

August Weismann (1834-1914) und die theoretische Biologie des 19. Jahrhunderts, edited by Klaus Sander, contains the proceedings of a symposium held last year at Albert Ludwigs University, Freiburg, to commemorate Weismann's 150th birthday. For more information, write to the Secretary, Biologisches Institut I (Zoologie), Albertstrasse 21A, D 7800 Freiburg im Breisgau, West Germany.



Speakers at the Weismann Symposium held on 29-30 May 1984 at the Zoologisches Institut der Albert-Ludwigs-Universität Freiburg. From left to right: (sitting) Ilse Jahn, Gloria Robinson, Christiane Groeben; (standing, front row) Frederick B. Churchill, Johann-Peter Regelmann, Manfred Lücke, Ernst Mayr, Georg

Uschmann, Atanas Danailow, Gethard H. Müller, Jürgen Schwoerbel; (standing, back row) Jonathan Harwood, Peter Sitte, Conner Sorensen, August Weismann (in effigy), Helmut Risler, Klaus Sander (convener). Photograph by Gudrun Mahlke.

Books Received by Isis June-August 1985

Ordering information: Books and publications listed in the *HSS Newsletter* are available from the publisher. The History of Science Society cannot fill orders for non-HSS publishers.

Note: Most books on the Books Received List that will be reviewed in *Isis* have already been assigned to reviewers. If you are interested in reviewing a forthcoming book for *Isis*, please fill in the coupon "News of Forthcoming Books" in earlier issues of the *Newsletter*.

Angel Aguirre Alvarez. *El astrónomo cellense: Francisco M. Zarzoso (1556)*. 331 pp., illus., figs., apps., bibl., index. Teruel: Instituto de Estudios Turoleses, 1980.

Annual Bibliography of the History of Natural History. Volume I: *Publications of 1982*. iii + 62 pp., index. London: British Museum of Natural History, 1985. £8.

Raymond Bentley. *Technological Change in the German Democratic Republic*. (Westview Replica Editions.) xx + 296 pp., apps., bibl., index. Boulder, Colo./London: Westview, 1984. \$25.

Gernot Böhme. *Anthropologie in pragmatischer Hinsicht*. (Darmstädter Vorlesungen.) 290 pp. Frankfurt am Main: Suhrkamp Verlag, 1985.

Robert Boyd; Peter J. Richerson. *Culture and the Evolutionary Process*. vii + 331 pp., figs., indexes. Chicago/London: University of Chicago Press, 1985. \$29.95.

Allan M. Brandt. *No Magic Bullet: A Social History of Venereal Disease in the United States Since 1880*. viii + 245 pp., illus., figs., app., bibl., index. New York/Oxford: Oxford University Press, 1985. \$19.95.

W. H. Brock. *From Protyle to Proton: William Prout and the Nature of Matter, 1785-1985*. xii + 252 pp., illus., figs., bibl., index. Boston: Adam Hilger, 1985. \$29.

William Budd. *On the Causes of Fevers (1839)*. Edited by Dale C. Smith. (The Henry E. Sigerist Supplements to the Bulletin of the History of Medicine, 9.) xi + 164 pp., app., index. Baltimore/London: Johns Hopkins University Press, 1984. £9.55; \$9.95 (paper).

Georges-Louis Leclerc de Buffon. *Teoria della natura: Scritti metodologici e sistematici*. Translated and edited by Giulio Barsanti. 210 pp., index. Rome/Naples: Edizioni Theoria, 1985.

Francesc Bujosa. *La afasia y la polarización ideológica en torno al sistema nervioso central en la primera mitad del siglo XIX*. (Cuadernos Valencianos de Historia de la Medicina y de la Ciencia, XXV; Series A.) 299 pp., apps., bibl., index. Valencia: Cátedra de Historia de la Medicina, Universidad de Valencia, 1983.

- Bryan H. Bunch** (Editor). *The Facts on File Scientific Yearbook 1985*. 214 pp., illus., figs., app., index. New York/Oxford: Facts on File Publications, 1985. \$24.95.
- Charles Burnett** (Editor). *Pseudo-Bede: De mundi celestis terestrique constitutione—A Treatise on the Universe and the Soul*. Translated by Charles Burnett. (Warburg Institute Surveys and Texts, 10.) vi + 83 pp., figs., app. London: Warburg Institute/University of London, 1985. £10 (paper).
- Edward G. Carter III; John C. van Horne; Charles E. Brownell**. *Latrobe's View of America, 1795–1820: Selections from the Water-colors and Sketches*. Volume III of *The Papers of Benjamin Henry Latrobe*. xxi + 400 pp., illus., bibl., index. New Haven/London: Yale University Press for the Maryland Historical Society, 1985. \$35.
- G. V. Coyne, S.J.; M. Heller; J. Zycinsk** (Editors). *The Galileo Affair: A Meeting of Faith and Science*. (Proceedings of the Cracow Conference, 24–27 May 1984.) 179 pp. Vatican City: Specola Vaticana, 1985. \$7.
- Renzo Cremante; Walter Tega** (Editors). *Scienza e letteratura nella cultura italiana del settecento*. 613 pp., index. Bologna: Il Mulino, 1984. L40,000.
- John Delmonte**. *Origins of Materials and Processes*. xv + 373 pp., illus., figs., bibl., index. Lancaster/Basel: Technomic Publishing, 1985. \$30.
- David J. Depew; Bruce H. Weber** (Editors). *Evolution at a Crossroads: The New Biology and the New Philosophy of Science*. xiv + 267 pp., figs., index. Cambridge, Mass./London: MIT Press, 1985. \$25.
- Elena Díaz; Yolanda Texera; Hebe Vessuri** (Compilers). *La ciencia periférica: Ciencia y sociedad en Venezuela*. (Colección estudios.) 291 pp., figs., bibl. Caracas: Monte Avila, 1983. (Paper.)
- Nikolai Dryakhlov**. *The Scientific and Technological Revolution: Its Role in Today's World*. 264 pp. Moscow: Progress Publishers, 1984. (Distributed in the U.S. by Imported Publications, Chicago.) \$2.95 (paper).
- Ronald Englefield**. *The Mind at Work and Play*. Edited by G. A. Wells and D. R. Oppenheimer. 183 pp., figs., bibl., index. Buffalo, N.Y.: Prometheus Books, 1985. \$24.95.
- Marta Fattori; Massimo Bianchi** (Editors). *Spiritus: IVth Colloquio internazionale del Lessico intellettuale europeo*. xii + 644 pp., figs., apps., index. Rome: Edizioni dell'Ateneo, 1984.
- José A. Fernández Ordóñez**. *Catálogo de noventa presas y azudes españoles anteriores a 1900*. With the collaboration of R. M. Vázquez de Parga; Tomás Abad Balboa; Carmen Andrés Mateo; and Aurora Galán Hergueta. (Publicaciones de la Biblioteca Comisión de Estudios Históricos de Obras Públicas y Urbanismo.) 511 pp., illus., figs., bibl., index. Madrid: Biblioteca CEHOPU, 1984.
- Henry J. Folse**. *The Philosophy of Niels Bohr: The Framework of Complementarity*. (North-Holland Personal Library Series.) 281 pp., bibl., index. Amsterdam/Oxford/New York: Elsevier, 1985. Dfl. 125, \$46.25 (cloth); Dfl. 67.50, \$19.50 (paper).
- Robert W. Garnet**. *The Telephone Enterprise: The Evolution of the Bell System's Horizontal Structure, 1876–1909*. (The Johns Hopkins/AT&T Series in Telephone History.) xxiii + 210 pp., illus., figs., apps., bibl., index. Baltimore/London: Johns Hopkins University Press, 1985. \$22.50.
- Charles Genequand**. *Ibn Rushd's Metaphysics: A Translation with Introduction of Ibn Rushd's Commentary on Aristotle's Metaphysics*, Book Lām (Islamic Philosophy and Theology Texts and Studies, 1.) vii + 219 pp., bibl., indexes. Leiden: E. J. Brill, 1984. \$22.
- Johannes Gessner**. *Johannes Gessners pariser Tagebuch, 1727*. Edited and translated by Urs Boschung. (Studia Halleriana, 2.) 420 pp., illus., figs., bibl., index. Bern/Stuttgart/Toronto: Verlag Hans Huber, 1985. Fr. 62; DM 72.
- Bernard R. Goldstein**. *The Astronomy of Levi Ben Gerson (1288–1344): A Critical Edition of Chapters 1–20 with Translation and Commentary*. (Studies in the History of Mathematics and Physical Sciences, 11.) x + 308 pp., figs., bibl., index. New York/Berlin/Heidelberg: Springer-Verlag, 1985. \$68.
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Richard Whitley. *The Intellectual and Social Organization of the Sciences.* 319 pp., figs., bibl., index. Oxford: Clarendon Press, 1984. \$34.95.

HSS Election News

The new members of Council to serve through 1988 are **Lorraine Daston, Judith Goodstein, Nancy Siraisi, John Servos, and Michael Sokal.** For the Nominating Committee members elected from the Council are **Frederic L. Holmes, Margaret Rossiter, and John Greene;** members elected from the History of Science Society membership at large are **David Lindberg and Frederick Gregory.**

CONTENTS

Welcome to Bloomington	1
Editorship of <i>Isis</i>	2
From the Secretary	3
Prize Competitions	3
Visiting Historians of Science	4
Employment Survey	6
HS Programs	9
Fellowships & Grants	10
Awards, Honors, & Appointments	11
Positions	12
Calls for Papers	14
Meetings	14
Publications	17
Books Received by <i>Isis</i>	17

The Newsletter of the History of Science Society is published in January, April, July, and October. Regular issues are sent to those individual members of the Society residing in North America. Air-mail copies are sent to those members overseas who pay \$5 yearly to cover postal costs. The Newsletter is available to non-members and institutions for \$20 a year. The *Newsletter* is overseen by a Steering Committee consisting of the President, the Secretary, and the Editor of the History of Science Society; it is produced at the Society's Publications Office under the supervision of Dr. Frances Kohler. Send news items to Newsletter, History of Science Society Publications Office, 215 South 34th Street/D6, Philadelphia, PA 19104. The deadline for receipt of news is the tenth of the month prior to publication.

Continued from page 11

has been awarded the 1985-1986 Charles Babbage Fellowship by the Charles Babbage Institute. His dissertation topic is the evolutionary development of computer software as a technology.

Stephen E. Toulmin, Department of Philosophy and Committee on Social Thought, University of Chicago, will be one of the first eleven Getty Scholars at the Getty Center for the History of Art and the Humanities, Santa Monica, California, during the academic year 1985-1986. His field of interest is the cultural and intellectual history of Europe from the sixteenth to the twentieth centuries.

Pearl Kibre, 1903-1985

The History of Science Society has learned with regret of the death of Pearl Kibre, Professor Emeritus of History at Hunter College. Professor Kibre's works included *A Catalogue of Incipits of Mediaeval Scientific Writings in Latin* (with Lynn Thorndike) and *The Library of Pico della Mirandola*. Her most recent book, published this past July, was a catalogue of the writings of Hippocrates of Cos extant in the Latin West prior to 1500, *Hippocrates Latinus: Repertorium of Hippocratic Writings in the Latin Middle Ages*.

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